
PROJECT COMPLETION REPORT

On

**LEAD INSTITUTION FOR
ACHANAKMAR – AMARKANTAK BIOSPHERE RESERVE**



**TROPICAL FOREST RESEARCH INSTITUTE
(INDIAN COUNCIL OF FORESTRY RESEARCH & EDUCATION)**

P.O. – R.F.R.C., MANDLA ROAD, JABALPUR

2009

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**LEAD INSTITUTION FOR ACHANAKMAR-AMARKANTAK
BIOSPHERE RESERVE, CHHATTISGARH**

BY

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1. **Project Title:** Lead institution for Achanakmar-Amarkantak Biosphere Reserve, Chhattisgarh.

Project ID NO. 102/TFRI/2006/ Ento-I(MoEF) (12)

2. **Duration of the Project:** 3 Years (from June 2006- 31st May 2009)

3. **Funding source:** Ministry of Environment and Forests, Government of India.

4. **Cost of Project:**

Sanctioned	=Rs. 12,79,500.00
Amount Released	=Rs. 10, 45,344.00
Expenditure	= Rs. 10,42,506.00

5. **Name of PI & Associate:**

Dr. K.C.Joshi, Scientist G, Group Co-ordinator (Research)
Dr. Ruby Sharma, Research Associate (w.e.f. Nov. 2006 - May 2009)
Ms. Prashansa Muley, Project Assistant (w.e.f. Aug.2006- Oct.2007)
Ms. Sheela Patel, Project Assistant (w.e.f. Dec. 2007-Aug.2008)
Ms. Sita Jamra, Project Assistant (w.e.f. Dec.2008 - April 2009)

6. **Objectives:**

- Collection, synthesis and dissemination of research based information in respect of Biosphere Reserve from all sources.
- Interaction with regional research organizations for development of suitable research projects.
- Undertake research and develop data bank.
- Maintain regular interface with the Biosphere Reserve managers to assess the research needs and crucial areas requiring research efforts and providing research inputs for inclusion in Management Action Plan..
- Publication of a compendium of upto date information and bringing biannual publications aimed at educating stakeholders.
- Preparation of project document for designation of new BRs in coordination with concern State Government.
- Formulation of project proposals for designation of Indian Biosphere Reserves on World Network of BR recognized by UNESCO.
- Any other assignments which may be entrusted by Central Government to achieve the larger objectives of the scheme.

7. Physical Targets:

- Collection and Synthesis of information.
- Interaction with regional research organizations.
- Undertake research and develop data bank.
- Maintain regular Interface with BR managers to assess research needs.
- Publication of compendium of up to date information and bringing out bi-annual publications aimed at educating stakeholders.
- Formulation of project proposals (nomination report) for designation of Biosphere Reserve on World Network of BRs recognized by UNESCO.

8. Achievement of Physical Targets:

I. Collection and Synthesis of information:

In all, 75 references on Achanakmar-Amarkantak BR were collected and the information gathered compiled in two issues of Biosphere Information Series. Data on population of inhabitants in BR collected as per census 2001, compiled and kept as data bank. The regeneration status of various flora in core, buffer and transition zones studied.

II. Interaction with regional research organizations:

Scientific Organizations including various universities of M.P., Chhattishgarh and Maharashtra were visited for interaction with scientists and academicians. They were encouraged to submit the research project proposal on Achanakmar- Amarkantak BR to MOEF, Government of India for funding. The following organizations were interacted:

1. Guru Ghasidas University, Bilaspur, (CG)
2. Awadh Pratap Singh University, Rewa (M.P.)
3. Indira Gandhi Agricultural University, Raipur (CG)
4. Jawaharlal Nehru Krishi Vishwa Vidhyalaya, Adhartal, Jabalpur
5. Zoological Survey of India, Central Zone, Jabalpur
6. State Forest Research Institute, Polipather, Jabalpur
7. Tropical Forest Research Institute, Jabalpur
8. Anthropological Society of India, Nagpur
9. School of Studies in Zoology, Jiwaji University, Gwalior, M.P.
10. Jaiv Vividhta avam Adivashi Vikas Anushandhan Network, Jabalpur, (M.P.).

Indira Gandhi Agriculture University Raipur, ZSI, SFRI, TFRI, Anthropological Society of India and Jaiv Vividhta avam Adivashi Vikas Anushandhan Network, Jabalpur, M.P. submitted the projects on various activities in Achanakmar- Amarkantak BR. The funding agency sanctioned financial assistance to Indira Gandhi Agriculture University Raipur, Zoological Survey of India, Jabalpur and Anthropological Society of India, Nagpur.

III. Under took research and developed data bank:

1. Seven sample plots laid out in core and buffer zones to study soil nutrients, soil moisture, and population density of trees, shrubs, herbs and regeneration status.

2. Held a workshop at TFRI Jabalpur on Research needs for Achanakmar-Amarkantak BR and gathered latest information on taxonomically identified species of lichen, ferns and various threats to fauna and flora and various approaches to uplift the economic status of forest dwellers.

3. Compiled village wise population of the inhabitants as per census 2001.

IV. Maintain regular Interface with BR managers to assess research needs

1. Fifteen meetings were held with BR managers at head quarter Bilaspur and with Chief Wildlife Warden level to discuss on different areas of research including zonation of BR.
2. Meetings of State level Steering Committee were also attended to finalise the Management Action Plan and annual action plan of the BR.

V. Publication of compendium of up to date information and bringing bi annual publications aimed at to educate stakeholders:

1. Compendium drafted and submitted to MOEF in January 2007.
2. Two issues of Biosphere information Series published and distributed to stakeholders.
3. An article sent for publication.

VI. Formulation of project proposals for designation of Biosphere Reserve on World Network of BRs recognized by UNESCO

The report prepared and submitted in the second week of March 2009 to State Forest Department of Chhattisgarh for perusal and approval of the draft.

VII. Any other assignment:

1. Madrid Action Plan formulated and submitted to the Ministry of Environment and Forest.
2. Training capsule drafted and submitted to G.B. Pant Institute of Himalayan Environment and Development, Almora.

9. Methodology and experimental layout:

Periodical surveys of different ranges in core, buffer and transition zones of Achanakmar-Amarkantak BR were conducted throughout the project period. Data on geographical areas, natural resources viz. climate, soil, water bodies, fauna available, inhabitants, their population and economic status were taken. Seven sample plots were laid out in both core and buffer zones to study the flora, their density and regeneration status.

Besides this, the information available about various species of the flora and fauna existing in BR, their distribution and status collected. The source of information of each species and abstract of scientific information published in different journals/ volumes were also recorded. The compiled information was edited and published in the form of two issues of Biosphere Reserve Information Series (BRIS) and distributed to BR managers, scientists and academicians of different organizations so that they could have updated information about the BR. Periodical reviews of the project were attended and the comments were incorporated in the project activities.

10. Results and discussion:

I. Collection, synthesis of Research based Information:

Achanakmar - Amarkantak Biosphere Reserve is spread over in a total geographical area of 3835.51 sq kms. It represents the Indo-Malayan realm and Deccan Peninsula biogeographic zone of India and is the first Biosphere Reserve of Chhattisgarh and Madhya Pradesh states. Its boundaries start from Kota and Lormi forest ranges of Bilaspur district (Chhattisgarh) in south to Rajendragram forest range of Anuppur district Madhya Pradesh in the north and Belghana forest range of Chhattisgarh in the east to Dindori forest range of Dindori district in Madhya Pradesh. It consists of 3 distinct zones viz. core zone, buffer zone, and outer most transition zone (Fig. 1). The core zone starts from Achanakmar range in south (169.133 sq kms.) to Lamni range in north (203.769 sq kms.), and Game range (178.65 sq kms.) on the west. The core zone has 22 villages having a population of 7,617 persons. The buffer and transition zones surround the core zone. The buffer zone is dense forest with a few villages and sub-urban areas like Rajki, Bagdhora and Sarasdol in Chhattisgarh and Jagatpur, Karanjia, Amarkantak, etc. in Madhya Pradesh. The buffer and transition zones have 396 revenue and forest villages and suburban in both the states. Chhattisgarh alone has 225 revenue and forest villages. The inhabitants are poor, mostly tribal, scheduled castes and other backward classes. The population of general category of people is low.

The topography varies from plains of Bilaspur to hilly terrains and valleys. Soil is rich in humus contents, lateritic, alluvial and black cottony. Details of forest ranges, land use, cultural heritage, tourism, etc. have been published in different issues of Biosphere Reserve Information Series (BRIS). It is home to primitive tribal communities like Baiga, Gonds, Panikas, Kol, Dhanaur, besides other communities forming a total population of 4,48,021 persons as per population census 2001. They cultivate agricultural crops and partially depend on BR for food, fodder and medicine.

The climate of BR has 3 distinct seasons viz. monsoon, which begins from July and continues up to October; winter from November to February; and summer from March to June. The lowest temperature in winter is -2°C , which rises up to a maximum of 46°C in June. The humidity varies from 39 % to 90%. This climate has enriched a large number of flora and fauna of the BR. The annual rainfall is about 1624.3 mm. A few perennial and many seasonal rivers and a dam called "Khudia dam" also exist in the BR. The forest vegetation is tropical deciduous type and is classified into "Northern Tropical Moist Deciduous and Southern Dry Mixed Deciduous forests (Champion and Seth, 1968).

1. Floral Resources: The forest constitutes 63.91% of the total area of BR. It encompasses rich biodiversity of flora and fauna. The BR consists of a total of 1498 identified floral species viz. 7 species of algae, 178 species of fungi, 130 species of lichens, 16 species of bryophytes, 40 species of pteridophytes, 16 species of gymnosperms and 1111 species of angiosperms with 794 species of dicotyledons and 317 species of monocotyledons. The BR shelters 39 globally threatened floral species (categorized as per IUCN). For the sake of convenience, the vegetation existing in BR can be grouped as hereunder:

A. Algae:

The different algae identified from Chhapparwa and Amarkantak localities of the BR are *Batrachospermum* sp., *Coleochaete* sp., *Chara* sp., *Ulothrix* sp., *Volvox* sp., *Voucheria* sp. and *Zygnema* sp.

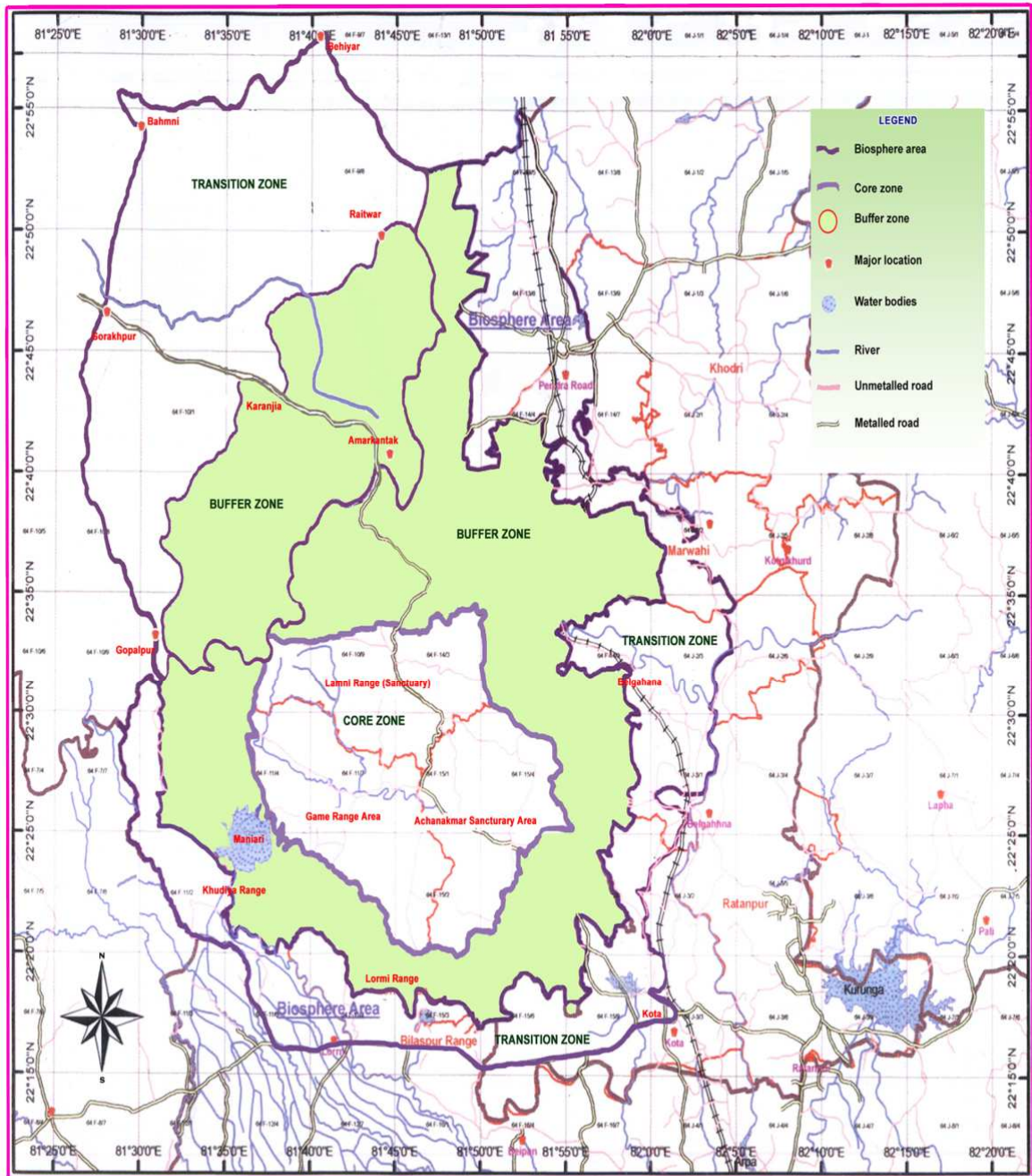


Fig.1. General Location and Zonation Map of Achanakmar - Amarkantak Biosphere Reserve.

B. Fungi:

According to published literature, information on different species of fungi recorded from different localities of BR, their status, etc, is given in the following table.

Table 1. Fungi reported from Achanakmar- Amarkantak BR

S.N.	Species name	Locality	Habitat	Reference
Fungi: Perfecti				
Fam: Absidiaceae				
1.	<i>Absidia butleri</i> Lendner	Amarkantak	Soil fungus	Shetty, 1957
2.	<i>Absidia corymbifera</i> (Cohn.)	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
3.	<i>Absidia ramosa</i> (Lindl.) Lendner	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
4.	<i>Absidia spinosa</i> Lendner	Achanakmar, Lamni	Soil fungus	Chakraborty <i>et al.</i> , 1991
Fam: Acaulosporaceae				
5.	<i>Acaulospora delicata</i> C. Walker, CM Pfeiff. & Bloss	Amarkantak	VAM Fungus	Jamaluddin and Chandra, 1997
6.	<i>Acaulospora longula</i> Spain & Schenk.	Amarkantak	VAM Fungus	Jamaluddin and Chandra, 1997
7.	<i>Acaulospora scrobiculata</i> Trappe	Amarkantak	VAM Fungus	Jamaluddin and Chandra, 1997
Fam: Agaricaceae				
8.	<i>Agaricus</i> sp.	BR area	Mushroom	Tiwari <i>et al.</i> , 1995
9.	<i>Lepiota procera</i> (Scop. ex Fr.) Kumm.	BR area	Mushroom	Tiwari <i>et al.</i> , 1995
10.	<i>Macrolepiota dolichaula</i> Singer	BR area	Mushroom	Tiwari <i>et al.</i> , 1995
Fam: Agonomycetaceae				
11.	<i>Sclerotium rolfsii</i> Sacc.	Amarkantak	Leaves of <i>Jatropha pandurifolia</i>	Singh <i>et al.</i> , 2002
Fam: Amphisphaeriaceae				
12.	<i>Bartalina robillardoides</i> Tassi	Amarkantak, Rajendragram	Parasitic on <i>Shorea robusta</i> , <i>Murraya exotica</i>	Verma & Soni, 2007, Singh <i>et al.</i> , 2002
Fam: Botryosphaeriaceae				
13.	<i>Botryosphaeria obtusa</i> (Schw.) Shoemaker	Amarkantak	Parasitic on <i>Pinus patula</i>	Verma & Soni, 2007
14.	<i>Pleurotus flabellatus</i> Berk. & Br.	-	Mushroom	Tiwari <i>et al.</i> , 1995
Fam: Chaetomiaceae				
15.	<i>Chaetomium globosum</i> Kunze & Schm.	Lamni	Soil fungus	Chakraborty <i>et al.</i> , 1991
16.	<i>Chaetomium gracile</i>	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991

	Udagawa			
17.	<i>Chaetomium reflexum</i> Skolko & J W Grove	Amarkantak	Parasitic on <i>Pinus caribaea</i>	Verma & Soni, 2007
18.	<i>Thielavia terricola</i> (Gilman & Abbott) Emmons	Achanakmar, Lamni	Soil fungus	Chakraborty <i>et al.</i> , 1991
19.	<i>Blakeslea trispora</i> Thaxter	Amarkantak	Soil fungus	Mehrotra and Mehrotra, 1964
Fam: Coprinaceae				
20.	<i>Coprinus</i> sp.	-	Mushroom	Tiwari, <i>et al.</i> , 1995
Fam: Cunnighamellaceae				
21.	<i>Cunnighamella echinulata</i> Thaxt.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
Fam: Dematiaceae				
22.	<i>Acremonium</i> sp.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
23.	<i>Acrophialophora fusispora</i> (S B Saxena) Samson	Amarkantak	Parasitic on <i>Pinus caribaea</i>	Verma & Soni, 2007
24.	<i>Acrophiallophora</i> sp.	Lamni	Soil fungus	Chakraborty <i>et al.</i> , 1991
25.	<i>Alternaria alternata</i> (Fr.) Keissler	Amarkantak, Lamni	Parasitic	Jamaluddin <i>et al.</i> , 1993
26.	<i>Alternaria humicola</i> Oudemans	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
27.	<i>Alternaria</i> sp.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
28.	<i>Alternaria tenuissima</i> (Nees ex Fr.)	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
29.	<i>Annellophragmia conoorensis</i> (Subram.) Subram.	Sonemuda, Amarkantak	Present on <i>Saccharum munja</i>	Singh <i>et al.</i> , 2002
30.	<i>Aspergillus candidus</i> Link.	Lamni	Soil fungus	Chakraborty <i>et al.</i> , 1991
31.	<i>Aspergillus fischeri</i> Wehmer	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
32.	<i>Aspergillus flavipes</i> (Bain & Sart.) Thom.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
33.	<i>Aspergillus flavus</i> Link.	Achanakmar, Lamni	Soil fungus	Chakraborty <i>et al.</i> , 1991
34.	<i>Aspergillus fumigatus</i> Fres.	Achanakmar, Lamni	Soil fungus	Chakraborty <i>et al.</i> , 1991
35.	<i>Aspergillus nidulans</i> (Eidam.) Wingate	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
36.	<i>Aspergillus niger</i> Van Tiegh.	Achanakmar, Lamni	Soil fungus	Chakraborty <i>et al.</i> , 1991
37.	<i>Aspergillus ochraceus</i> Witelm.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
38.	<i>Aspergillus oryzae</i> (Ahlburg) Cohn.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
39.	<i>Aspergillus terreus</i> Thom.	Achanakmar, Lamni	Soil fungus	Chakraborty <i>et al.</i> , 1991
40.	<i>Aspergillus versicolor</i> (Vuill) Tiraboschi	Amarkantak	Soil fungus	Shetty, 1957
41.	<i>Botryotis</i> sp.	Lamni	Soil fungus	Chakraborty <i>et al.</i> , 1991
42.	<i>Cephalophora tropica</i> Thaxt.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
43.	<i>Cephalosporium curtipes</i>	Amarkantak	Soil fungus	Shetty, 1957

	Sacc.			
44.	<i>Cercospora pinidensiflorae</i> Hori et Nambu	Amadoh, Amarkantak	Parasitic	Jamaluddin <i>et al.</i> , 1990
45.	<i>Cercospora paramigmyae</i> Thirum. & Chupp.	Amarkantak	Parasitic on <i>Lagerstoemia parviflora</i>	Verma & Soni, 2007
46.	<i>Cercospora timoriensis</i> Cooke	Rajendragram ,Amarkantak	Parasitic on leaf of <i>Ipomoea hedrifolia</i>	Singh <i>et al.</i> , 2002
47.	<i>Cercosporidium helicteri</i> Soni <i>et al.</i>	Amarkantak	Parasitic	Soni <i>et al.</i> ,1984
48.	<i>Cladosporium acaciae</i> Panwar	Lamni	Soil fungus	Chakraborty <i>et al.</i> ,1991
49.	<i>Cladosporium herbarum</i> (Pers.) Link.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> ,1991
50.	<i>Cladosporium oxysporum</i> Berk. & M.A. Curtis	Amarkantak	Parasitic on <i>Cassia</i> sp.	Verma & Soni, 2007
51.	<i>Cladosporium werneckii</i> Parreirs Horta	Lamni	Soil fungus	Chakraborty <i>et al.</i> ,1991
52.	<i>Endocalyx amarkantakensis</i> Patel, Pandey & Rajak	Amarkantak	On dead fungus of <i>Shorea robusta</i>	Patel <i>et al.</i> , 2002
53.	<i>Eriocercospora moghaniae</i> Singh	Lakshamandh ara, Durgdhara, Amarkantak	Leaf spot disease on <i>Dioscorea bulbifera</i>	Singh <i>et al.</i> , 2002
54.	<i>Humicola grisea</i> Traaen.	Achanakmar, Lamni	Soil fungus	Chakraborty <i>et al.</i> ,1991
55.	<i>Humicola indica</i> Haw are & Singh	Lamni	Soil fungus	Chakraborty <i>et al.</i> ,1991
56.	<i>Metarhizium anisopliae</i> (Metschnikoff) Sorokin.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> ,1991
57.	<i>Mycoleptodiscus indicus</i> (Sahni) Sutton	Amarkantak	Leaf of <i>Grewia acuminata</i>	Singh <i>et al.</i> , 2002
58.	<i>Paecilomyces fusisporus</i> Saxena	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> ,1991
59.	<i>Penicillium citrinum</i> Thom.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> ,1991
60.	<i>Penicillium javanicum</i> Van Beyma	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> ,1991
61.	<i>Scopulariopsis</i> sp.	Lamni	Soil fungus	Chakraborty <i>et al.</i> ,1991
62.	<i>Sepedonium maheswarianum</i> Mukerji	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> ,1991
63.	<i>Sporotrichum</i> sp.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> ,1991
64.	<i>Syralidium</i> sp.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> ,1991
65.	<i>Trichoderma viride</i> Pers. ex Fr.	Achanakmar, Lamni	Soil fungus	Chakraborty <i>et al.</i> ,1991
66.	<i>Tripospermum acaciae</i> Agarwal & Sharma	Jagatpur, Amarkantak	<i>Chisocheton paniculatum</i>	Singh <i>et al.</i> , 2002

67.	<i>Tripospermum juglandis</i> (Thum.) Hughes	Sonemuda, Amarkantak	<i>Lagerstoemia parviflora</i>	Singh <i>et al.</i> , 2002
68.	<i>Verticillium</i> sp.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
69.	<i>Zygosporium minus</i> Hughes	Jagatpur, Amarkantak	Leaves of <i>Acalypha</i> sp.	Singh <i>et al.</i> , 2002
Fam: Diatrypaceae				
70.	<i>Diatrype</i> sp.	Amarkantak	Parasitic on <i>Flacourtia indica</i> , <i>Acacia auriculiformis</i> , <i>Grewia</i> sp.	Verma & Soni, 2007
71.	<i>Diatrype syzygii</i> Narendra & VG Rao	Jagatpur	Parasitic on <i>Syzygium cumini</i>	Verma & Soni, 2007
72.	<i>Cryptosphaeria sessilis</i> Patel, Pandey & Rajak	Lakshaman Dhara	Dead wood of <i>Shorea robusta</i>	Patel <i>et al.</i> , 2002
Fam: Englerulaceae				
73.	<i>Sarcinella indica</i> Kamal & Narayan	Rajendragram	Parasitic on <i>Cryptostegia grandiflora</i>	Singh <i>et al.</i> , 2002
Fam: Geastraceae				
74.	<i>Geastrum</i> sp.	BR area	Mushroom	Tiwari <i>et al.</i> , 1995
Fam: Gigasporaceae				
75.	<i>Gigaspora marginata</i> (Becker) Hall	Amarkantak	Soil fungus	Jamaluddin & Chandra, 1997
76.	<i>Scutellospora</i> sp.	Amarkantak	Soil fungus	Jamaluddin & Chandra, 1997
Fam: Glomaceae				
77.	<i>Glomus aggregatum</i> Schenk. & Smith	Amarkantak	Soil fungus	Jamaluddin & Chandra, 1997
78.	<i>Glomus intraradices</i> Schenk. & Smith	Amarkantak	Soil fungus	Jamaluddin & Chandra, 1997
Fam: Hymenochaetaceae				
79.	<i>Aurificaria shoreae</i> (Wakef & Grove) Ryv. (Syn <i>Polyporus shoreae</i> Wakef & Grove)	Jagatpur	Parasitic on stem of <i>Shorea robusta</i>	Verma & Soni, 2007
80.	<i>Inonotus tabacinus</i> (Mont.) Kavst.	BR area	-	Tiwari <i>et al.</i> , 1995
81.	<i>Polystictus</i> sp.	BR area	-	Tiwari <i>et al.</i> , 1995
82.	<i>Polystictus steinheilianus</i> Berk & Lev.	BR area	-	Tiwari <i>et al.</i> , 1995
83.	<i>Phellinus caryophylli</i> (Racib.) G. Cunn., (Syn. <i>Fomes caryophylli</i> (Racib.) Bres.)	BR area	-	Tiwari <i>et al.</i> , 1995
84.	<i>Phellinus fustus</i> (Lev.) Ryv.	Achanakmar	Parasitic on stem of <i>Shorea robusta</i>	Verma & Soni, 2007
85.	<i>Phellinus gilvus</i> (Schwein) Pat.	Chada	Parasitic on stem of	Verma & Soni, 2007

			<i>Shorea robusta</i>	
86.	<i>Phellinus pachyphloeus</i> (Pat.) Pat. (Syn. <i>Fomes pachyphloeus</i> Sensus G. Cunn.)	BR area	-	Tiwari <i>et al.</i> ,1995
87.	<i>Phellinus</i> sp.	Amarkantak	Parasitizes stem of <i>Bauhinia</i> sp.	Verma & Soni, 2007
Fam:Hypoxylaceae				
88.	<i>Hypoxylon diatrypeoides</i> Rehm.	Keonchi, Amarkantak	Parasitic on twig of <i>Shorea robusta</i> , <i>Ougeinia oojeinensis</i> , <i>Flacourtia indica</i>	Verma & Soni, 2007
89.	<i>Hypoxylon rubiginosa</i> Pers. ex Fr.	Achanakmar	Parasitic on <i>Dendrocalamus strictus</i>	Verma & Soni, 2007
90.	<i>Hypoxylon</i> sp.	Chada, Jagatpur	Parasitic on <i>Ziziphus xylopyra</i> , <i>Terminalia tomentosa</i> , <i>Syzygium cumini</i>	Verma & Soni, 2007
91.	<i>Hypoxylon stygium</i> (Lev.) Sacc.	Jagatpur	Parasitic on twig of <i>Shorea robusta</i>	Verma & Soni, 2007
92.	<i>Hypoxylon vogesiacum</i> var <i>microsporium</i> J H Mill.	Amarkantak	Parasitic on <i>Holoptelia integrifolia</i>	Verma & Soni, 2007
Fam:Hysteriaceae				
93.	<i>Hysterium angustatum</i> Alb. Schwein	Amarkantak	Parasitic on leaves of <i>Dillenia pentagyna</i>	Verma & Soni, 2007
Fam:Incertaedis				
94.	<i>Kutilakesa madreeya</i> Subram.	Amarkantak	Parasitic on <i>Populus</i> sp.	Verma & Soni, 2007
95.	<i>Myrothecium roridum</i> Tode ex Fr.	Amarkantak	Parasitic on <i>Populus</i> sp.	Verma & Soni, 2007
Fam:Leptosphaeriaceae				
96.	<i>Coniothyrium</i> sp.	Amarkantak	Parasitic on <i>Grevillea pteridifolia</i>	Verma & Soni, 2007
Fam:Lycoperdaceae				
97.	<i>Lycoperdon pusillum</i> (Batsch) Pers.	BR area	Mushroom	Tiwari, <i>et al.</i> ,1995

Fam: Melanconiaceae				
98.	<i>Colletotrichum capsici</i> (Syd.) Butler	Amarkantak	Parasitic on <i>Bauhinia</i> <i>purpurea</i> , <i>Dioscorea</i> <i>daemona</i>	Verma & Soni, 2007
99.	<i>Pestalotiopsis palmarum</i> (Cook)	Amarkantak	Parasitic on needle of <i>Pinus</i> <i>roxburghii</i>	Verma & Soni, 2007
100.	<i>Pestalotiopsis</i> sp.	Amarkantak	Parasitic on leaves of <i>Gardenia</i> <i>latifolia</i> , <i>Grevillea</i> <i>pteridifolia</i>	Dadwal & Jamaluddin, 1991
101.	<i>Pestalotiopsis versicolor</i> (Speg.) Steyaert	Amarkantak	Parasitic on leaves of <i>Randia</i> <i>dumetorum</i> , <i>Pinus patula</i>	Verma & Soni, 2007
Fam: Meliolaceae				
102.	<i>Meliola</i> sp.	Chada	Parasitic on <i>Shorea</i> <i>robusta</i>	Verma & Soni, 2007
Fam: Moniliaceae				
103.	<i>Fusarium chlamydosporum</i> Wollenw. & Reinking	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
104.	<i>Fusarium compactum</i> (Wollenw.) Raillo	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
105.	<i>Fusarium flocciferum</i> Corda	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
106.	<i>Fusarium oxysporum</i> Schlecht.	Achanakmar, Lamni, Amarkantak, Jagatpur	Soil fungus, On <i>Coffea</i> <i>arabica</i>	Chakraborty <i>et al.</i> , 1991; Singh <i>et al.</i> , 2002
107.	<i>Fusarium solani</i> (Mart.) App. & Wollenw.	Achanakmar, Lamni	Soil fungus	Chakraborty <i>et al.</i> , 1991
108.	<i>Fusarium</i> sp.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
109.	<i>Geotrichum candidum</i> Link <i>ex Pers.</i>	Achanakmar, Lamni	Soil fungus	Chakraborty <i>et al.</i> , 1991
110.	<i>Septofusidium</i> sp.	Lamni	Soil fungus	Chakraborty <i>et al.</i> , 1991
111.	<i>Volutella lini</i> Mukerji, Tewari & Rai	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
Fam: Mucoraceae				
112.	<i>Circinella muscae</i> (Sorok.) Berl. & de Toni	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
113.	<i>Mucor pusillus</i> Lindt.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
114.	<i>Rhizopus nigricans</i> Ehrenb.	Achanakmar, Lamni	Soil fungus	Chakraborty <i>et al.</i> , 1991
115.	<i>Rhizopus stolonifer</i> (Ehrenb. <i>ex Fr.</i>) Lind.	Achanakmar, Lamni	Soil fungus	Chakraborty <i>et al.</i> , 1991
Fam: Mycenastaceae				

116.	<i>Mycenastrum corium</i> (Gueresent) Desv.	BR area	Mushroom	Tiwari, <i>et al.</i> ,1995
Fam: Nectriaceae				
117.	<i>Neocosmospora</i> sp.	Lamni	Soil fungus	Chakraborty <i>et al.</i> ,1991
Fam:Nidulariaceae				
118.	<i>Cyathus limbatus</i> Tul.	BR area	Cup fungi	Tiwari, <i>et al.</i> ,1995
Fam:Nitschkiaceae				
119.	<i>Nitschkia conanii</i> Patel, Pandey & Rajak	Kapildhara	On dead wood and bark of <i>Shorea robusta</i>	Patel <i>et al.</i> , 2002
Fam:Onygenaceae				
120.	<i>Chryso sporium keratinophilum</i> (Fres.) Carmichael	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> ,1991
121.	<i>Chryso sporium tropicum</i> Carmichael	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> ,1991
Fam:Peniophoraceae				
122.	<i>Peniophora</i> sp.	BR area	-	Tiwari, <i>et al.</i> ,1995
Fam:Phallaceae				
123.	<i>Phallus impudicus</i> L. ex Pers.	BR area	-	Tiwari, <i>et al.</i> ,1995
Fam:Pleoporaceae				
124.	<i>Leptosphaerulina trifolii</i> (Rost.) Petr.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> ,1991
125.	<i>Curvularia lunata</i> (Walker) Bedd.	Achanakmar, Lamni	Soil fungus	Chakraborty <i>et al.</i> ,1991
126.	<i>Curvularia verruculosa</i> Tandon & Bilgrami ex M B Ellis	Amarkantak	Parasitic on <i>Pinus patula</i>	Verma & Soni, 2007
Fam:Podoschypha ceae				
127.	<i>Podoschypha petalodes</i> var <i>rosulata</i> DA Reid	Amarkantak	On decomposed needles of <i>Pinus kesiya</i> , <i>P. patula</i>	Verma & Soni, 2007
Fam:Polyporaceae				
128.	<i>Diacanthodes novo guineensis</i> Cooke & Harku	Jagatpur	On stem of <i>Shorea robusta</i>	Verma & Soni, 2007
129.	<i>Fomes tricolor</i> (Murr.) Bres.	BR area	-	Tiwari <i>et al.</i> ,1995
130.	<i>Microporus vernicipes</i> (Berk) Kuntze.	Jagatpur	Dead branch of <i>Syzygium cumini</i>	Verma & Soni, 2007
131.	<i>Microporus xanthopus</i> (Fr.) Kuntze	BR area	-	Tiwari <i>et al.</i> ,1995
132.	<i>Nigroporus vinosus</i> (Berk.) Murr.	BR area	On <i>Pinus roxburghii</i>	Verma & Soni, 2007
133.	<i>Polyponus arcularius</i> Batsch ex Fr.	BR area	-	Tiwari, <i>et al.</i> ,1995
134.	<i>Polyponus ostreiformis</i> Berk.	BR area	-	Tiwari, <i>et al.</i> ,1995

135.	<i>Polyponus secernibilis</i> Berk.	BR area	-	Tiwari, <i>et al.</i> ,1995
136.	<i>Poria</i> sp	BR area	-	Tiwari, <i>et al.</i> ,1995
137.	<i>Pycnoporus sanguineus</i> (L.) Murr.	Amarkantak	On dead stem of standing tree of <i>Shorea robusta</i>	Verma & Soni, 2007
138.	<i>Pyrofomes tricolor</i> (Murr.) Corner	Achanakmar	Stem of <i>Shorea robusta</i>	Verma & Soni, 2007
139.	<i>Trametes cubensis</i> (Murr.) Sacc.	Achanakmar	Stem of <i>Shorea robusta</i>	Verma & Soni, 2007
140.	<i>Trametes inserta</i> (Currey) Cooke	BR area	-	Tiwari, <i>et al.</i> ,1995
141.	<i>Polystictus leoninus</i> Klotzsch (Syn. <i>Trametes leonina</i> (Klotzsch) Imazeki)	BR area	-	Tiwari, <i>et al.</i> ,1995
142.	<i>Trametes meyenii</i> Klotzsch.	BR area	-	Tiwari, <i>et al.</i> ,1995
143.	<i>Trametes versatilis</i> Berk.	BR area	-	Tiwari, <i>et al.</i> ,1995
144.	<i>Trichaptum bifforme</i> (Fr.) Ryvarden (Syn. <i>Polystictus elongatus</i> Berk.)	BR area	-	Tiwari, <i>et al.</i> ,1995
Fam:Pythiaceae				
145.	<i>Pythium</i> sp.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
146.	<i>Pythium aphanidematum</i> (Eds.) Fitz.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> ,1991
Fam:Russulaceae				
147.	<i>Russula</i> sp.	BR area	Mushroom	Tiwari, <i>et al.</i> ,1995
148.	<i>Russula emetica</i> Fr.	Achanakmar	Mushroom	Das, <i>et al.</i> , 2006
149.	<i>Russula pseudodelica</i> Lange	Achanakmar	Mushroom	Das, <i>et al.</i> , 2006
Fam:Schizophyllaceae				
150.	<i>Leucophellinus hobsoni</i> (Berk. ex Cooke) Ryv. (Syn. <i>Trametes straminea</i> (Pat.) Lloyd)	BR area	-	Tiwari, <i>et al.</i> ,1995
Fam:Sclerodermataceae				
151.	<i>Astraeus hygrometricus</i> (Pers.) Morg.	-	-	Tiwari, <i>et al.</i> ,1995
152.	<i>Scleroderma bovista</i> Fr. (Syn. <i>S. texense</i> Berk.)	Amarkantak	Edible Mushroom	Harsh <i>et al.</i> , 1989
153.	<i>Scleroderma radicans</i> Lloyd	BR area	-	Tiwari, <i>et al.</i> ,1995
Fam:Sphaeropsidaceae				
154.	<i>Flavodon flavus</i> (Klotzch) Ryv.	Keonchi	On lg of <i>Shorea robusta</i>	Verma & Soni, 2007
155.	<i>Junghuhnia luteoalba</i> (P. Karst) Ryv.	Jagatpur, Dindori	On lg of <i>Shorea robusta</i>	Verma & Soni, 2007
156.	<i>Macrophomina phaseolina</i> (Maubl.) Ashby	Amarkantak	Parasitic on <i>Grevillea pteridifolia</i>	Dadwal & Jamaluddin, 1991
157.	<i>Phoma glomerata</i> (Corda)	Amarkantak	Parasitic on	Dadwal & Jamaluddin,

	Wr. & Hochapfel		<i>Grevillea pteridifolia</i>	1991
158.	<i>Phoma medicaginis</i> Malbr. & Roum.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
159.	<i>Phoma sorghina</i> (Sacc) Boerema	Achanakmar, Amarkantak	Parasitic on <i>Grevillea pteridifolia</i> , Soil fungus	Chakraborty <i>et al.</i> , 1991; Dadwal & Jamaluddin, 1991
160.	<i>Phoma</i> sp.	Achanakmar	Soil fungus	Chakraborty <i>et al.</i> , 1991
161.	<i>Phomopsis eucalypti</i> Zerova	Amarkantak nursery	Parasitic on <i>Eucalyptus</i> sp.	Verma & Soni, 2007
162.	<i>Phomopsis</i> sp.	Amarkantak	Parasitic on <i>Grevillea pteridifolia</i> , <i>Agathis</i> sp.	Verma & Soni, 2007
163.	<i>Phomopsis vexans</i> (Sacc. & P. Syd.)	Amarkantak	Parasitic on <i>Acacia auriculiformis</i>	Verma & Soni, 2007
164.	<i>Phyllosticta grevilleae</i> Gadd.	Amarkantak	Parasitic on <i>Grevillea pteridifolia</i>	Verma & Soni, 2007
Fam: Stereaceae				
165.	<i>Stereum</i> sp.	BR area	-	Tiwari, <i>et al.</i> , 1995
Fam: Teichosporaceae				
166.	<i>Teichospora</i> sp.	Achanakmar	Parasitic on stem of <i>Grewia hirsuta</i>	Verma & Soni, 2007
Fam: Thelephoraceae				
167.	<i>Thelephora</i> sp.	BR area	-	Tiwari, <i>et al.</i> , 1995
Fam: Tricholomataceae				
168.	<i>Clitocybe cerussata</i> (Fr.) P. Kumm	BR area	-	Tiwari, <i>et al.</i> , 1995
169.	<i>Podabrella microcarpa</i> (Berk. & Broome) Singer	BR area	-	Tiwari, <i>et al.</i> , 1995
170.	<i>Termitomyces</i> sp.	Amarkantak	Common edible mushroom	Harsh <i>et al.</i> , 1993
171.	<i>Termitomyces albuminosa</i> (Berk) Heim	Amarkantak	Edible	Harsh <i>et al.</i> , 1989
Fam: Xerocomaceae				
172.	<i>Xerocomus</i> sp.	Achanakmar	-	Tiwari, <i>et al.</i> , 1995
Fam: Xylariaceae				
173.	<i>Biscogniauxia nummularia</i> (Bull.) Kuntze	Achanakmar	Parasitic on <i>Shorea robusta</i> , <i>Syzygium cumini</i>	Verma & Soni, 2007
174.	<i>Xylaria mellisii</i> Berk.	Achanakmar	Parasitic on <i>Randia dumetorum</i>	Verma & Soni, 2007

175.	<i>Xylaria papyrifera</i> (Link) Fr.	Amarkantak	Parasitic on cut ends of stump of <i>Shorea robusta</i>	Verma & Soni, 2007
176.	<i>Xylaria</i> sp.	Chada, Amarkantak	Parasitic on twigs of <i>Embllica officinalis</i> , <i>Flacourtia indica</i>	Verma & Soni, 2007
Fungi: Imperfecti Fam: Valsaceae				
177.	<i>Cytospora pini</i> Desm.	Amarkantak	Parasitic on twigs of <i>Pinus patula</i>	Verma & Soni, 2007
178.	<i>Cytospora</i> sp.	Amarkantak	Parasitic on <i>Grevillea pteridifolia</i>	Dadwal & Jamaluddin, 1991

Thus, as per the latest knowledge, there are 178 species of fungi representing to 109 genera and 47 families distributed in different zones of Achanakmar- Amarkantak BR.

C. Lichens

In Achanakmar-Amarkantak BR pure sal forest has luxuriant growth of lichens. Before initiation of this project, only 37 species of lichens were known to exist in Achanakmar-Amarkantak BR. The fragmented literature indicated the existence of 93 new species of lichens from Achanakmar-Amarkantak BR resulting in a total of 130 species of 44 lichen genera belonging to 25 families as detailed below:

Table: 2. Lichens reported from Achanakmar- Amarkantak BR

S.No.	Lichen Taxa	Type	Habitat	Distribution	Reference
Fam: Arthoneaceae					
1	<i>Arthothelium abnorme</i> (Ach.) Müll. Arg.	Crustose	Bark of <i>Shorea robusta</i> , <i>Embllica officinalis</i> , <i>Ficus</i> , <i>Terminalia arjuna</i> , <i>Mallotus philippensis</i> , <i>Syzygium cumini</i> , <i>Holigama</i> sp.	Achanakmar, Jwaleshwar	Nayaka <i>et al.</i> , 2007; Upreti and Satya, 2007
2	<i>A.pycnocarpoides</i> Müll. Arg.	Crustose	Bark of <i>Ficus</i> sp., <i>Mangifera indica</i> , <i>Shorea robusta</i> , <i>Syzygium cumini</i> , <i>Mallotus philippensis</i> , <i>Holigama</i> sp.	Jwaleshwar, Kabirchabutra, Border of core zone	Nayaka <i>et al.</i> , 2007; Upreti and Satya, 2007

3	<i>A. nigrodiscum</i> Patw. & Makh.	Crustose	Bark of <i>Shorea robusta</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp., <i>Mangifera indica</i>	Chauradadar, Kabirchabutra	Upreti and Satya, 2007
4	<i>Arthonia recedens</i> Stirton	Crustose	Bark of <i>Shorea robusta</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp., <i>Mangifera indica</i> , <i>Mallotus philippensis</i> , <i>Ficus racemosa</i> , <i>Holigama</i> sp.	Kapildhara, Mai ki Bagia, Durgadhara, Kabirchabutra, Chhapparwa	Nayaka <i>et al.</i> , 2007; Upreti and Satya, 2007
5	<i>Cryptothecia</i> sp.	Crustose	Bark of <i>Shorea robusta</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp., <i>Mangifera indica</i>	Lamni	Upreti and Satya, 2007
6	<i>C. culbursonae</i> Patw. & Makh.	Crustose	Bark of <i>Shorea robusta</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp., <i>Mangifera indica</i>	Kabirchabutra, From Chhapparwa 22 km. before Keonchi	Upreti and Satya, 2007
7	<i>C. lunulata</i> (Zahlbr.) Makh. & Patw.	Crustose	Bark and Root of <i>Shorea robusta</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp., <i>Mangifera indica</i> , <i>Mallotus philippensis</i> , <i>Ficus racemosa</i> , <i>Terminalia cuneata</i> , <i>Holigama</i> sp., <i>Emblica officinalis</i> , <i>Bauhinia</i> sp.	Kabirchabutra, Kapildhara, Mai ki Bagia, Jwaleshwar, Durgadhara, Gabhighat, Chhapparwa Amarkantak, Chhapparwa naka	Nayaka <i>et al.</i> , 2007; Upreti and Satya, 2007
8	<i>C. involuta</i> Stirton	Crustose	Bark of <i>Shorea robusta</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp., <i>Mangifera indica</i>	Jagatpur, Kabirchabutra	Upreti and Satya, 2007
Fam: Bacidiaceae					
9	<i>Bacidia millegrana</i> (Taylor) Müll. Arg.	Crustose	Bark of <i>Shorea robusta</i>	Jagatpur	Upreti and Satya, 2007
10	<i>B. rubella</i> (Hoffm.) Massal.	Crustose	Bark of <i>Shorea robusta</i> , <i>Mallotus philippensis</i> , <i>Ficus racemosa</i> , <i>Terminalia cuneata</i> , <i>Syzygium cuminii</i> , <i>Mangifera indica</i>	From Chhapparwa 22 km. before Keonchi, Border of core zone, Gabhighat	Nayaka <i>et al.</i> , 2007; Upreti and Satya, 2007
11	<i>B. alutacea</i>	Crustose	Bark of <i>Shorea</i>	Ataria, Between	Nayaka <i>et al.</i> ,

	(Krempleh.) Zah br.		<i>robusta</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp., <i>Mangifera indica</i> , <i>Mallotus philippensis</i>	Chauradadar-Kabirchabutra, Kabirchabutra, Chhapparwa Amarkantak	2007; Upreti and Satya, 2007
12	<i>B. psorina</i> (Nyl. in Hue) Pant & Awasthi	Crustose	Bark of <i>Shorea robusta</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp., <i>Mangifera indica</i>	13 km. from Chauradadar to Kabirchabutra, Kabirchabutra	Upreti and Satya, 2007
Fam: Collemataceae					
13	<i>Collema rysssoleum</i> (Tuck.) A. Schneider	Fruticose	Root of <i>Shorea robusta</i> , <i>Mallotus philippensis</i> , <i>Ficus racemosa</i> , <i>Terminalia cuneata</i> , <i>Syzygium cuminii</i> , <i>Mangifera indica</i>	Kabirchabutra, Kapildhara, Jwalehsvar, Gabhighat	Nayaka <i>et al.</i> , 2007; Upreti and Satya, 2007
14	<i>C. subflaccidum</i> Degel.	Fruticose	Bark of <i>Shorea robusta</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp., <i>Mangifera indica</i>	Kabirchabutra	Upreti and Satya, 2007
15	<i>Leptogium cyanescens</i> (Robenh.) Körber	Fruticose	Bark of <i>Mallotus philippensis</i> , <i>Ficus racemosa</i> , <i>Terminalia arjuna</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i>	Gabhighat, 22 km. from Chhapparwa before Keonchi	Upreti and Satya, 2007
16	<i>L. chloromelum</i> (Swartz ex Ach.) Nyl.	Fruticose	Bark and root of <i>Mallotus philippensis</i> , <i>Ficus racemosa</i> , <i>Terminalia arjuna</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Shorea robusta</i> , <i>Embllica officinalis</i>	Jwalehsvar, 5 km. away from Chhapparwa towards Kota, Khurkhuri dadar VALCO mining site.	Upreti and Satya, 2007
17	<i>L. fufuraceum</i> (Harm.) Sierk	Fruticose	Bark of <i>Shorea robusta</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp., <i>Mangifera indica</i>	Khurkhuri dadar Valco mining site.	Upreti and Satya, 2007
18	<i>L. austro-americanum</i> (Malme) Dodge	Fruticose	Bark of <i>Mallotus philippensis</i> , <i>Syzygium cuminii</i> , <i>Shorea robusta</i>	Chhapparwa towards Kota, Tarw artola, Khurkhuri dadar	Upreti and Satya, 2007
19	<i>L. denticulatum</i> Nyl.	Fruticose	Bark of <i>Mallotus philippensis</i> , <i>Bauhinia</i> sp., <i>Syzygium cuminii</i> , <i>Shorea robusta</i>	Chhapparwa-nah	Upreti and Satya, 2007

20	<i>L. marginellum</i> (Swartz) Gray	Fruticose	Bark of <i>Shorea robusta</i>	Mai ki Bagia, Kabirchabutra	Upreti and Satya, 2007
21	<i>L. phyllocarpum</i> (Pers.) Mont.	Fruticose	Root of <i>Shorea robusta</i>	Near to Kabirchabutra	Upreti and Satya, 2007
22	<i>L. indicum</i> Awasthi & P. Akhtar	Fruticose	Root of <i>Shorea robusta</i>	Tarwartola, Kabirchabutra	Upreti and Satya, 2007
Fam: Crysothericaceae					
23	<i>Chrysothrix candelaris</i> (L.) Laundon	Crustose	Bark of <i>Shorea robusta</i>	Tarwartola, Near to Kabirchabutra	Upreti and Satya, 2007
24	<i>C. chlorina</i> (Ach.) Laundon	Crustose	Bark of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp., <i>Mallotus philippensis</i>	Ataria, Border of Core zone, 5 km before Chhapparwa from Lamni	Nayaka <i>et al.</i> , 2007; Upreti and Satya, 2007
Fam: Dermatocarpaceae					
25	<i>Dermatocarpon minutum</i> (L.) Mann	Fruticose	Root of <i>Shorea robusta</i> , <i>Syzygium cuminii</i> , <i>Mallotus philippensis</i>	Kapildhara, Kabirchabutra	Upreti and Satya, 2007
Fam: Ectolechiaceae					
26	<i>Schadonia indica</i> Upreti & Nayaka	Crustose	Bark of <i>Shorea robusta</i> , <i>Embllica officinalis</i>	From Chauradadar 8 km. before Kabirchabutra	Upreti and Satya, 2007
Fam: Graphidaceae					
27	<i>Graphis proserpens</i> Vainio	Crustose	Bark of <i>Shorea robusta</i>	Jagatpur, Khurkhuri dadar	Upreti and Satya, 2007
28	<i>Graphina panhalensis</i> Patw. Kulkarni	Crustose	Bark of <i>Mallotus philippensis</i> , <i>Ficus racemosa</i> , <i>Terminalia arjuna</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Shorea robusta</i> , <i>Embllica officinalis</i> , <i>Ficus</i> sp., <i>Holigarna</i> sp., <i>Bauhinia</i> sp.	Ataria, Kapildhara, Mai ki bagia, Jwaleshwar, Durgadhara, Gabhighat Chhapparwa naka	Nayaka <i>et al.</i> , 2007; Upreti and Satya, 2007
29	<i>G. platycarpa</i> (Eschw.) Zahlbr.	Crustose	Bark of <i>Mangifera indica</i> , <i>Syzygium cuminii</i>	Durgadhara, Chhapparwa	Nayaka <i>et al.</i> , 2007; Upreti and Satya, 2007
30	<i>G. schyzographita</i> Müll. Arg.	Crustose	Bark of <i>Shorea robusta</i>	Jagatpur	Upreti and Satya, 2007
Fam: Haematommataceae					
31	<i>Haematomma puniceum</i> (Sm. ex Ach.) Massal.	Crustose	Bark of <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Shorea robusta</i> , <i>Mallotus</i>	Kapildhara, Durgadhara, 22km before Keonchi from	Nayaka <i>et al.</i> , 2007; Upreti and Satya, 2007

			<i>philippensis</i>	Chhapparwa, Chhapparwa nala	
Fam: Lecanoraceae					
32.	<i>Lecanora iseana</i> Räsänen	Crustose	Bark of <i>Mallotus philippensis</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Shorea robusta</i> , <i>Emblica officinalis</i> , <i>Ficus racemosa</i>	Durgadhara, Chhapparwa nala	Upreti and Satya, 2007
33.	<i>L. perplexa</i> Brodo	Crustose	Bark of <i>Mallotus philippensis</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Shorea robusta</i> , <i>Emblica officinalis</i> , <i>Ficus racemosa</i> , <i>Terminalia arjuna</i> , <i>Mangifera indica</i>	Ataria, Mai ki bagia, Jwaleshwar, Durgadhara, , Chhapparwa nala, towards Kota, Border of core zone Keonchi	Nayaka <i>et al.</i> , 2007; Upreti and Satya, 2007
34.	<i>L. achroa</i> Nyl.	Crustose	Bark of <i>Mangifera indica.</i> , <i>Grewia sp.</i> , <i>Pongamia pinnata</i> , <i>Azadirachta indica</i> , <i>Acacia nilotica</i> , <i>Syzygium cuminii</i> , <i>Shorea robusta</i>	Karanjia, Kabirchabutra	Upreti and Satya, 2007
35.	<i>L. alba</i> Lumbsch	Crustose	Bark of <i>Shorea robusta</i>	Jagatpur, Kabirchabutra	Upreti and Satya, 2007
36.	<i>L. coronulaus</i> Nyl.	Crustose	Bark of <i>Mangifera indica.</i> , <i>Grewia sp.</i> , <i>Pongamia pinnata</i> , <i>Azadirachta indica</i> <i>Acacia nilotica</i>	Karanjia, Kabirchabutra	Upreti and Satya, 2007
37.	<i>L. flavidofusca</i> Müll. Arg.	Crustose	Bark of <i>Shorea robusta</i>	Karanjia , Kabirchabutra, Tarwartola	Upreti and Satya, 2007
38.	<i>L. imshaugii</i> Brodo	Crustose	Bark of <i>Mallotus philippensis</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Shorea robusta</i> , <i>Emblica officinalis</i>	Chhapparwa, Kewachi, Kabirchabutra	Nayaka <i>et al.</i> , 2007; Upreti and Satya, 2007
39.	<i>L. leproplaca</i> Zahlbr.	Crustose	Bark of <i>Mallotus philippensis</i> ,	Jwaleshwar, Chhapparwa nala	Upreti and Satya, 2007

			<i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Shorea robusta</i> , <i>Emblica officinalis</i> , <i>Ficus racemosa</i> , <i>Terminalia arjuna</i>		
40.	<i>L. subimmersa</i> (Fee) Vainio	Crustose	<i>Mallotus philippensis</i> , <i>Shorea robusta</i>	Chhapparwa , Amarkantak	Nayaka <i>et al.</i> , 2007
41.	<i>L. sulphurescens</i> Fée	Crustose	Bark and Root of <i>Syzygium cuminii</i> , <i>Mangifera indica</i> <i>Ficus</i> sp., <i>Shorea robusta</i>	Kabirchabutra	Upreti and Satya, 2007
42.	<i>Lecanora</i> sp.	Crustose	<i>Mallotus philippensis</i> , <i>Syzygium cuminii</i> , <i>Shorea robusta</i> , <i>Bauhinia</i> sp.	Border of core zone	Nayaka <i>et al.</i> , 2007
43.	<i>L. tropica</i> Zahlbr	Crustose	Bark and Root <i>Mallotus philippensis</i> , <i>Ficus racemosa</i> , <i>Terminalia arjuna</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Shorea robusta</i> , <i>Emblica officinalis</i> , <i>Ficus</i> sp., <i>Eucalyptus</i> sp., <i>Grewia</i> sp., <i>Pongamia pinnata</i> , <i>Azadirachta indica</i> , <i>Acacia nilotica</i>	Karanjia, Jagatpur, Kabirchabutra, Khurkhuri dadar -Valco mining site plantat ion, Pataleshwar	Upreti and Satya, 2007
45.	<i>Lecidella</i> sp.	Crustose	Bark of <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Ficus racemosa</i> , <i>Mallotus philippensis</i> , <i>Shorea robusta</i>	Durgadhara, Chhapparwa nak	Upreti and Satya, 2007
46.	<i>Vainoria</i> sp.	Crustose	Bark of <i>Shorea robusta</i>	Jagatpur, Kabirchabutra	Upreti and Satya, 2007
Fam: Lichen-imperfectii					
46.	<i>Lepraria</i> sp.	Crustose	Bark and Root of <i>Mallotus philippensis</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> ,	Jw aleshwar, From Chhapparwa 5 km. towards Kota, Kewachi,	Nayaka <i>et al.</i> , 2007; Upreti and Satya, 2007

			<i>Shorea robusta</i> , <i>Embllica officinalis</i> , <i>Ficus racemosa</i> , <i>Terminalia arjuna</i>	Jagatpur, Tarw artola, Kabirchabutra	
47.	<i>L. lobificans</i> Nyl.	Crustose	Bark and Root of <i>Mallotus philippensis</i> , <i>Shorea robusta</i> , <i>Ficus racemosa</i> , <i>Terminalia cuneata</i> , <i>Mangifera indica</i> , <i>Terminalia arjuna</i> , <i>Embllica officinalis</i> , <i>Syzygium cuminii</i> , <i>Bauhinia</i> sp.	Jw aleshwar, Gabhighat, Chhparwa 5 km. towards Kota, Jagatpur, Tarw artola, Kabirchabutra, Border of core zone	Nayaka <i>et al.</i> , 2007; Upreti and Satya, 2007
Fam: Lecidiaceae					
48.	<i>Lecidia</i> sp	Crustose	Root of <i>Shorea robusta</i> , <i>Mallotus philippensis</i> , <i>Syzygium cuminii</i>	Kapildhara	Upreti and Satya, 2007
49.	<i>Phyllopsora kiiensis</i> (Vainio) Goth.	Fruticose	Root of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp.	Kabirchabutra, Tarw artola	Upreti and Satya, 2007
50.	<i>P. corallina</i> (Eschw.) Müll. Arg.	Fruticose	Bark and Root <i>Shorea robusta</i> , <i>Mallotus philippensis</i> , <i>Syzygium cuminii</i> , <i>Ficus racemosa</i>	Kapildhara, Chhparwa nala	Upreti and Satya, 2007
51.	<i>P. manipurensis</i> (Müll. Arg.) Goth	Fruticose	Bark of <i>Shorea robusta</i>	Jagatpur, Tarw artola	Upreti and Satya, 2007
Fam: Letrouitiaceae					
52.	<i>Letrouitia transgressa</i> (Malm) Haf. & Bellem.	Crustose	Bark of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp., <i>Mallotus philippensis</i> , <i>Embllica officinalis</i> , <i>Terminalia arjuna</i> , <i>Ficus racemosa</i> , <i>Terminalia cuneata</i> , <i>Hologama</i> sp.,	Ataria, Kabirchabutra, Kapildhara, Mai ki Bag ia, Jw aleshwar, Durgadhara, Gabhighat, Karanjia, zone, Chhparwa nala, Lamni	Nayaka <i>et al.</i> , 2007; Upreti and Satya, 2007

			<i>Bauhinia</i> sp.		
Fam: Physciaceae					
53.	<i>Buellia stillingiana</i> Steiner	Crustose	Bark of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Emblica officinalis</i>	Karanjia, Jagatpur, Chauradadar, Kabirchabutra	Upreti and Satya, 2007
54.	<i>B. albatrior</i> (Nyl.) Szat. ex Awasthi	Crustose	Bark of <i>Shorea robusta</i>	Tarwartola	Upreti and Satya, 2007
55.	<i>B. curtisii</i> (Tuck.) Imsh.in Brodo	Crustose	Bark of <i>Mangifera indica</i> , <i>Shorea robusta</i> , <i>Syzygium cuminii</i> , <i>Mallotus philippensis</i> , <i>Emblica officinalis</i>	Durgadhara, Border of core zone	Nayaka <i>et al.</i> , 2007; Upreti and Satya, 2007
56.	<i>B. pusillula</i> (Nyl.) Zahbr.	Crustose	Bark of <i>Shorea robusta</i>	Ataria, Kabirchabutra	Upreti and Satya, 2007
57.	<i>B. almoresis</i> S. Singh & Awasthi	Crustose	Bark and Root of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp., <i>Mallotus philippensis</i> , <i>Terminalia arjuna</i> , <i>Emblica officinalis</i>	Ataria , Kabirchabutra, Kapildhara, Jwaleshwar, Durgadhara, Gabhighat, Chhaparwana, Border of core zone, Tarwartola	Nayaka <i>et al.</i> , 2007; Upreti and Satya, 2007
58.	<i>Dirinaria aegialita</i> (Afz. in Ach.) Moore	Fruticose	Bark of <i>Shorea robusta</i>	Jagatpur, Tarwartola, Khurkhuridadar, Kabirchabutra,	Upreti and Satya, 2007
59.	<i>D. consimilis</i> (Stirton) Awas.	Fruticose	Bark and Root of <i>Shorea robusta</i>	Ataria, Tarwartola	Upreti and Satya, 2007
60.	<i>Heterodermia diademata</i> (Taylor) Awas.	Fruticose	Bark and root of <i>Shorea robusta</i> , <i>Syzygium cuminii</i> , <i>Mallotus philippensis</i> , <i>Emblica officinalis</i>	Kapildhara, Jagatpur Chauradadar, Tarwartola, Kabirchabutra	Upreti and Satya, 2007
61.	<i>H. speciosa</i> (Weelfen) Trensan	Fruticose	Bark of <i>Shorea robusta</i> , <i>Emblica officinalis</i>	Kabirchabutra	Upreti and Satya, 2007
62.	<i>H. angustiloba</i> (Müll. Arg.) Awasthi	Fruticose	Bark of <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Shorea robusta</i>	Tarwartola, Kabirchabutra	Upreti and Satya, 2007
63.	<i>H. hypocoesia</i> (Yasuda) Awasthi	Fruticose	Bark of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Eucalyptus</i> sp.,	Tarwartola, Khurikhuri dadar, VALCO mining site	Upreti and Satya, 2007

			<i>Grewia</i> sp.		
64.	<i>H. pseudospeciosa</i> (Kurok.) Culb.	Fruticose	Bark and Root of <i>Shorea robusta</i> , <i>Syzygium cuminii</i> , <i>Mallotus philippensis</i>	Near to Kabirchabutra, Kapildhara	Upreti and Satya, 2007
65.	<i>H. dissecta</i> (Kurok.) Awasthi	Fruticose	Root of <i>Shorea robusta</i> , <i>Syzygium cuminii</i> , <i>Mallotus philipensis</i>	Kapildhara	Upreti and Satya, 2007
66.	<i>H. obscurata</i> (Nyl.) Trevisan	Fruticose	Bark of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp.	Tarwartola, Kabirchabutra	Upreti and Satya, 2007
67.	<i>Physcia tribacia</i> (Ach.) Nyl.	Fruticose	Bark and root of <i>Shorea robusta</i> , <i>Emblica officinalis</i> , <i>Ficus</i> sp., <i>Terminalia arjuna</i> , <i>Mallotus philipensis</i>	Jwaleshwar	Upreti and Satya, 2007
68.	<i>P. dimidiata</i> (Aru.) Nyl.	Fruticose	Bark of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Eucalyptus</i> sp., <i>Grewia</i> sp.	Khurikhuri dadar, VALCO mining site- forest	Upreti and Satya, 2007
69.	<i>Phyaeophyscia orbicularis</i> (Necker) Moberg	Fruticose	Root of <i>Shorea robusta</i> , <i>Emblica officinalis</i> , <i>Ficus</i> sp., <i>Terminalia arjuna</i> , <i>Mallotus philipensis</i>	Jwaleshwar	Upreti and Satya, 2007
70.	<i>P. hispidula</i> (Ach) Essl.	Fruticose	Bark and Root of <i>Shorea robusta</i> , <i>Emblica officinalis</i> , <i>Ficus</i> sp., <i>Terminalia arjuna</i> , <i>Mallotus philipensis</i> , <i>Bauhinia</i> sp. , <i>Syzygium cuminii</i>	Jwaleshwar, Border of Achanakmar, Kabirchabutra	Upreti and Satya, 2007
71.	<i>Pyxine cocoes</i> (Swartz.) Nyl.	Fruticose	Bark of <i>Shorea robusta</i> , <i>Mallotus philippensis</i> , <i>Emblica officinalis</i> , <i>Ficus</i> sp., <i>Terminalia arjuna</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Ficus racemosa</i> ,	Ataria, Kapildhara, Mai ki Bagia, Jwaleshwar, Keonchi, Durgadhara, Gabhighat, Chhapparwa naka, Tarwartola, Kabirchabutra,	Nayaka <i>et al.</i> , 2007; Upreti and Satya, 2007

			<i>Bauhinia</i> sp., <i>Holigama</i> sp.	Chhapparwa	
72.	<i>P. berteriana</i> (Fée) Imsh.	Fruticose	Bark of <i>Shorea robusta</i>	Karanjia	Upreti and Satya, 2007
73.	<i>P. subcinerea</i> Stirton	Fruticose	Bark of <i>Shorea robusta</i>	Chauradadar	Upreti and Satya, 2007
74.	<i>P. petricola</i> Nyl.	Fruticose	Bark of <i>Mallotus philippensis</i> , <i>Shorea robusta</i> , <i>Bauhinia</i> sp., <i>Syzygium cuminii</i>	Border of core zone	Upreti and Satya, 2007
75.	<i>Rinodina sophodes</i> (Ach.) Massal.	Crustose	Bark of <i>Mangifera indica</i> , <i>Pongamia pinnata</i> , <i>Grewia</i> sp., <i>Azadirachta indica</i> , <i>Acacia nilotica</i>	Karanjia	Upreti and Satya, 2007
76.	<i>R. oxydata</i> (Massal.) Massal.	Crustose	Root of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp.	Kabirchabutra, Tarwartola	Upreti and Satya, 2007
Fam: Pyrenulaceae					
77.	<i>Pyrenula subglabriscula</i> Vainio	Crustose	Bark of <i>Mangifera indica</i> , <i>Shorea robusta</i> , <i>Mallotus philippensis</i> , <i>Bauhinia</i> sp., <i>Syzygium cuminii</i>	Achanakmar, Gabhigat, Kabirchabutra	Nayaka, <i>et al.</i> , 2007; Upreti and Satya, 2007
78.	<i>P. fuscoolivacea</i> Vainio	Crustose	Bark of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp.	Ataria, Kabirchabutra, Keonchi Chhapparwa	Nayaka, <i>et al.</i> , 2007; Upreti and Satya, 2007
Fam: Pertusariaceae					
79.	<i>Pertusaria</i> sp.	Crustose	Bark of <i>Shorea robusta</i>	Jagatpur	Upreti and Satya, 2007
80.	<i>P. acuta</i> Müll. Arg.	Crustose	Bark of <i>Shorea robusta</i> , <i>Ficus</i> sp., <i>Emblica officinalis</i> , <i>Terminalia arjuna</i> , <i>Mallotus philippinensis</i> , <i>Syzygium cuminii</i> , <i>Bauhinia</i> sp., <i>Mangifera indica</i> .	Mai ki Baghia, Jwaleshwar, Chhapparwa Keonchi, Kurkhuri dadar, Kabirchabutra	Nayaka, <i>et al.</i> , 2007; Upreti and Satya, 2007
81.	<i>P. amarkantakana</i> Srivastava & Awasthi	Crustose	Bark of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Grewia</i> sp,	Jagatpur, Tarwartola, Kurkhuri dadar, VALCO	Upreti and Satya, 2007

			<i>Eucalyptus</i> sp.	mining site, Kabirchabutra	
82.	<i>P. amara</i> (Ach.) Nyl.	Crustose	Bark of <i>Shorea robusta</i>	Kurkhuri dadar, VALCO mining site plantation area	Upreti and Satya, 2007
83.	<i>P. concinna</i> Erichsen	Crustose	Bark of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Eucalyptus</i> sp., <i>Grewia</i> sp.	Karanjia, Jagatpur, Khurkhuri dadar VALCO mining site, Kabirchabutra	Upreti and Satya, 2007
84.	<i>P. coronata</i> (Ach.) Th. Fr.	Crustose	Bark of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Eucalyptus</i> sp., <i>Grewia</i> sp.	Karanjia, Jagatpur, Khurkhuridadar VALCO mining site, Kabirchabutra	Upreti and Satya, 2007
85.	<i>P. cinchonae</i> Müll. Arg.	Crustose	Bark of <i>Shorea robusta</i> , <i>Mangifera indica</i>	Karanjia, Jagatpur	Upreti and Satya, 2007
86.	<i>P. dehiscens</i> var. <i>depressior</i> Müll. Arg.	Crustose	Bark of <i>Shorea robusta</i>	Jagatpur	Upreti and Satya, 2007
87.	<i>P. quassiae</i> Fée	Crustose	Bark of <i>Shorea robusta</i> , <i>Mangifera indica</i>	Khurkhuri dadar, Karanjia, Jagatpur	Upreti and Satya, 2007
88.	<i>P. leioplacella</i> Nyl.	Crustose	Bark of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Eucalyptus</i> sp., <i>Grewia</i> sp.	Jagatpur, Khurkhuri dadar VALCO mining site, Khurkhuri dadar	Upreti and Satya, 2007
89.	<i>P. melastomella</i> Nyl.	Crustose	Bark of <i>Shorea robusta</i>	Jagatpur, Tarw artola, Kabirchabutra	Upreti and Satya, 2007
90.	<i>P. pustulata</i> (Ach.) Duby	Crustose	Bark of <i>Shorea robusta</i> , <i>Mangifera indica</i>	Karanjia, Jagatpur, Tarw artola	Upreti and Satya, 2007
91.	<i>P. subdepressa</i> Mull. Arg.	Crustose	Bark and Root of <i>Shorea robusta</i> , <i>Embllica officianalis</i> , <i>Ficus</i> sp., <i>Terminalia arjuna</i> , <i>Mallotus philippensis</i> , <i>Syzygium cuminii</i> , <i>Mangifera indica</i> , <i>Ficus racemosa</i> , <i>Bauhinia</i> sp.	Ataria, Mai ki Bagia, Jw aleshwar, Durgadhara, Gabhighat, Chhaparwa nak, 5 km from Chhaparwa towards Kota, Border of core zone, Kabirchabutra, Tarw artola	Nayaka, <i>et al.</i> , 2007; Upreti and Satya, 2007
92.	<i>P. subochracea</i>	Crustose	Bark <i>Shorea</i>	Chauradadar,	Upreti and

	Stirton		<i>robusta</i> , <i>Grewia</i> sp., <i>Pongamia pinnata</i>	Tarwartaola, Kabirchabutra	Satya, 2007
93.	<i>P. rigida</i> Müll. Arg.	Crustose	Bark of <i>Shorea robusta</i> , <i>Mangifera indica</i>	Karanja, Jagatpur, Kabirchabutra, Tarwartaola, Chauradadar	Upreti and Satya, 2007
94.	<i>P. rimosa</i> Awsathi & Srivastava	Crustose	Bark of <i>Shorea robusta</i>	From Chauradadar 13 km before Kabirchabutra	Upreti and Satya, 2007
95.	<i>P. coccoed</i> (Ach) Nyl.	Crustose	Bark of <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Mallotus philippensis</i> , <i>Ficus racemosa</i> , <i>Shorea robusta</i>	Durgadhara, Chhapparwana, Kabirchabutra	Upreti and Satya, 2007
96.	<i>P. himalayensis</i> Awasthi & Srivastava	Crustose	Bark of <i>Shorea robusta</i> , <i>Emblica officinalis</i> , <i>Ficus</i> sp., <i>Terminalia arjuna</i> , <i>Mallotus philippensis</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Bauhinia</i> sp., <i>Ficus racemosa</i>	Jwaleshwar, Durgadhara, Gabhighat, Kabirchabutra, Border of core zone, Keonchi	Nayaka, <i>et al.</i> , 2007; Upreti and Satya, 2007
97.	<i>P. punctata</i> Nyl.	Crustose	Bark of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Eucalyptus</i> sp., <i>Grewia</i> sp.	Khurkhuri dadar-VALCO mining site, Kabirchabutra	Upreti and Satya, 2007
98.	<i>P. splendens</i> Awasthi & Srivastava	Crustose	Bark of <i>Shorea robusta</i>	Khurkhuri dadar, Kabirchabutra	Upreti and Satya, 2007
Fam: Parmeliaceae					
99.	<i>Bulbothrix setschwanensis</i> (Zahlbr.) Hale	Fruticose	Bark of <i>Shorea robusta</i> , <i>Ficus</i> sp., <i>Syzygium cuminii</i> , <i>Mangifera indica</i>	Jagatpur, Tarwartaola, Khurikhuri dadar, Kabirchabutra	Upreti and Satya, 2007
100.	<i>B. isidiza</i> (Nyl.) Hale	Fruticose	Bark of <i>Shorea robusta</i> , <i>Mallotus philippensis</i> , <i>Bauhinia</i> sp., <i>Syzygium cuminii</i> , <i>Mangifera indica</i> , <i>Grewia</i> sp., <i>Eucalyptus</i> sp.	Chhapparwana, Border of core zone, Jagatpur, Chauradadar, Tarwartaola, Khurikhuri dadar, Kabirchabutra	Upreti and Satya, 2007
101.	<i>B. tabacina</i> (Mont. & Bosch) Hale	Fruticose	Bark of <i>Shorea robusta</i> , <i>Ficus</i> sp.,	Tarwartaola, Kabirchabutra	Upreti and Satya, 2007

			<i>Syzygium cuminii</i> , <i>Mangifera indica</i>		
102.	<i>Canoparmelia texana</i> (Tuck.) Elix & Hale	Fruticose	Bark of <i>Shorea robusta</i> , <i>Mallotus philippensis</i> , <i>Bauhinia</i> sp., <i>Syzygium cuminii</i>	Chhapparwa, Tarwartola	Upreti and Satya, 2007
103.	<i>C. aptata</i> (Krempelh.) Elix & Hale	Fruticose	Bark of <i>Shorea robusta</i>	Jagatpur	Upreti and Satya, 2007
104.	<i>Parmotrema crinitum</i> (Ach.) Choisy	Fruticose	Bark of <i>Shorea robusta</i>	Kabirchabutra	Upreti and Satya, 2007
105.	<i>P. praesorediosum</i> (Nyl.) Hale	Fruticose	Bark and Root of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp., <i>Mallotus philippensis</i> , <i>Emblica officinalis</i> , <i>Terminalia arjuna</i> , <i>Eucalyptus</i> sp., <i>Grewia</i> sp.	Ataria , Kabirchabutra, Kapildhara, Jwaleshwar, Jagatpur Chauradadar, Tarwartola, Khurikhuri dadar- VALCO mining site plantat ion area, Khurikhuridadar	Upreti and Satya, 2007
106.	<i>P. tinctorum</i> (Nyl.) Hale	Fruticose	Bark and Root of <i>Mallotus philippensis</i> , <i>Shorea robusta</i> , <i>Ficus racemosa</i> , <i>Terminalia arjuna</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i>	Talaidabra, Chhapparwa, Gabhighat, Chhapparwa nala	Upreti and Satya, 2007
107.	<i>P. andinum</i> (Müll. Arg.) Hale	Fruticose	Bark of <i>Mangifera indica</i> , <i>Pongamia pinnata</i> , <i>Grewia</i> sp., <i>Azadirachta indica</i> , <i>Acacia nilotica</i> , <i>Shorea robusta</i>	Karanjia	Upreti and Satya, 2007
108.	<i>P. kamatii</i> Patw. & Prabhu	Fruticose	Bark of <i>Shorea robusta</i>	Jagatpur, Kabirchabutra	Upreti and Satya, 2007
109.	<i>P. mesotropum</i> (Müll. Arg.) Hale	Fruticose	-		Upreti and Satya, 2007
110.	<i>P. upretii</i> Divakar	Fruticose	Bark of <i>Shorea robusta</i>	Kabirchabutra	Upreti and Satya, 2007
111.	<i>P. wallichiana</i> (Taylor) Elix & Hale	Fruticose	Bark of <i>Emblica officinalis</i> , <i>Mangifera indica</i> , <i>Syzygium</i>	Chhapparwa nala, Chauradadar, Tarwartola	Upreti and Satya, 2007

			<i>cuminii</i> Mallotus <i>philippensis</i> , <i>Shorea robusta</i> , <i>Ficus racemosa</i>		
112.	<i>Hypotrachyna infirma</i> (Kurok.) Hale	Fruticose	Bark of <i>Shorea robusta</i>	Tarwartola	Upreti and Satya, 2007
Fam: Pilocarpaceae					
113.	<i>Fellhenera semecarpi</i> (Vainio) Vezda	Crustose	Leaf of <i>Mallotus philippensis</i> , <i>Syzygium cuminii</i> , <i>Shorea robusta</i> , <i>Holigama</i> sp.	Kota, Chhapparwa	Nayaka, <i>et al.</i> , 2007; Upreti and Satya, 2007
Fam: Psoraceae					
114.	<i>Protoblastenia russula</i> (Ach.) Räsänen	Crustose	Bark of <i>Shorea robusta</i> , <i>Mangifera indica</i>	Karanjia, Khurikhuri dadar- VALCO mining site.	Upreti and Satya, 2007
Fam: Peltulaceae					
115.	<i>Peltula euploca</i> (Ach.) Poelt	Crustose	Root of <i>Shorea robusta</i> , <i>Syzygium cuminii</i> , <i>Mallotus philippensis</i> .	Kapildhara, Chhapparwa, Gabhigat	Nayaka, <i>et al.</i> , 2007; Upreti and Satya, 2007
Fam: Licheniaceae					
116.	<i>Phylliscum indicum</i> Upreti	Crustose	Lime plaster of monument	Pataleshwar temple	Upreti and Satya, 2007
Fam: Thelotremaataceae					
117.	<i>Diploschistes rampoddensis</i> (Nyl.) Zahlbr.	Crustose	Root of <i>Shorea robusta</i>	Khurikhuri-dadar	Upreti and Satya, 2007
Fam: Teloschistaceae					
118.	<i>Caloplaca</i> sp.	Crustose	Root of <i>Shorea robusta</i> , <i>Emblica officinalis</i> , <i>Ficus</i> sp., <i>Terminalia arjuna</i> , <i>Mallotus philippensis</i>	Jwaleshwar	Upreti and Satya, 2007
119.	<i>C. bassiae</i> (Ach.) Zahlbr.	Crustose	Bark and Root of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Eucalyptus</i> sp., <i>Grewia</i> sp.	Chauradadar, Khurikhuri-dadar-VALCO mining site plantation area	Upreti and Satya, 2007
120.	<i>C. citrina</i> (Hoffm.) Th. Fr.	Crustose	Bark of <i>Mangifera indica</i> , <i>Pongamia pinnata</i> , <i>Grewia</i> sp., <i>Azadirachta indica</i> , <i>Acacia nilotica</i>	Karanjia	Upreti and Satya, 2007
121.	<i>C. poliotera</i> (Nyl.) Steiner	Crustose	Root of <i>Shorea robusta</i> ,	Ataria, Kapildhara	Upreti and Satya, 2007

			<i>Syzygium cuminii</i> , <i>Mallotus philippensis</i>		
122.	<i>C. amarkantakana</i> Joshi & Upreti	Crustose	Root of <i>Shorea robusta</i> , <i>Syzygium cuminii</i> , <i>Mallotus philippensis</i>	Tarw artola, Kapildhara, Khurkhuridadar, Kabirchabuttra	Upreti and Satya, 2007
Fam: Verrucariaceae					
123.	<i>Endocarpon nanum</i> A. Singh & Upreti	Crustose	Root of <i>Mallotus philippensis</i> , <i>Syzygium cuminii</i> , <i>Shorea robusta</i> , Lime plaster of monument	Chhapparwa, Pataleshwar, Gabhigat	Nayaka, <i>et al.</i> , 2007; Upreti and Satya, 2007
124.	<i>E. subrosettum</i> A. Singh & Upreti	Crustose	Root of <i>Mallotus philippensis</i> , <i>Syzygium cuminii</i> , <i>Shorea robusta</i>	Kota, Chhapparwa, Gabhigat	Nayaka, <i>et al.</i> , 2007; Upreti and Satya, 2007
125.	<i>E. nigrozonatum</i> A. Singh & Upreti	Crustose	Root of <i>Shorea robusta</i>	Mai ki Bagia, Khurkhuridadar, Tarw artola	Upreti and Satya, 2007
126.	<i>Staurothele clopima</i> (Wahlenb.) Th. Fr.	Crustose	Root of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp., <i>Mallotus philippensis</i> , <i>Terminalia arjuna</i> , <i>Ficus racemosa</i>	Kabirchabuttra, Kapildhara, Maiki Bagia, Chhapparwa, Gabhigat, Tarw artola	Nayaka, <i>et al.</i> , 2007; Upreti and Satya, 2007
127.	<i>S. fissa</i> (Taylor) Zwack	Crustose	Root of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp.	Kabirchabuttra, Tarw artola	Upreti and Satya, 2007
128.	<i>Verrucaria coenulea</i> (Ram.) DC.	Crustose	Root of <i>Shorea robusta</i> , <i>Mangifera indica</i> , <i>Syzygium cuminii</i> , <i>Ficus</i> sp., <i>Mallotus philippensis</i>	Kabirchabuttra, Kapildhara	Upreti and Satya, 2007
Fam: Thelenellaceae					
129.	<i>Thelenella levidella</i> (Nyl) Mayrh.	Crustose	Root of <i>Mallotus philippensis</i> , <i>Shorea robusta</i>	Chhapparwa	Upreti and Satya, 2007
Fam: Trapeliaceae					
130.	<i>Trapeliopsis</i> sp.	Crustose	Root of <i>Shorea robusta</i> ,	Kabirchabuttra, Tarw artola,	Nayaka, <i>et al.</i> , 2007; Upreti and

			<i>Mangifera indica, Syzygium cuminii, Ficus sp.</i>	Chhapparwa.	Satya, 2007
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D. Bryophytes:

The bryophytes are multicellular species that grow on rocks, soil or even on bark of standing trees. In all, 16 species of bryophytes belonging to 11 genera and 9 families are known from the BR. A detail about them is as hereunder:

Table 3. Bryophytes known from the BR.

S.N.	Name of species	Distribution	Reference
Cl.:Hepaticopsida: Fam: Porellaceae			
1.	<i>Porella sp.</i>	-	Tiwari <i>et al.</i> , 1995
Cl.:Hepaticopsida: Fam: Ricciaceae			
2.	<i>Riccia billardieri</i> Mont. & Nees ex Gottsche	Throughout BR	Tiwari <i>et al.</i> , 1995
3.	<i>Riccia gangetica</i> Ahmad	Amarkantak	Tiwari <i>et al.</i> , 1995
4.	<i>Riccia sp.</i>	Amarkantak	Tiwari <i>et al.</i> , 1995
Cl.:Hepaticopsida: Fam: Marchantiaceae			
5.	<i>Marchantia nepalensis</i> Lehm. and Lindb.	-	Tiwari <i>et al.</i> , 1995
6.	<i>Marchantia sp.</i>	-	Tiwari <i>et al.</i> , 1995
Cl.:Hepaticopsida: Fam: Targioniaceae			
7.	<i>Cyathodium sp.</i>	-	Tiwari <i>et al.</i> , 1995
8.	<i>Targionia sp.</i>	-	Tiwari <i>et al.</i> , 1995
Cl.:Hepaticopsida: Fam: Fossombroniaceae			
9.	<i>Fossombronia himalayensis</i> Kashyap	-	Tiwari <i>et al.</i> , 1995
Cl.:Hepaticopsida: Fam: Riccardiaceae			
10.	<i>Riccardia sp.</i>	-	Tiwari <i>et al.</i> , 1995
Cl.:Hepaticopsida: Fam:Anthocerotaceae			
11.	<i>Anthoceros erectus</i> Kashyap	-	Tiwari <i>et al.</i> , 1995
12.	<i>Anthoceros sp.</i>	-	Tiwari <i>et al.</i> , 1995
13.	<i>Notothylus indicus</i>	-	Tiwari <i>et al.</i> , 1995
14.	<i>Notothylus sp.</i>	-	Tiwari <i>et al.</i> , 1995
Cl.:Bryopsida: Fam: Funariaceae			
15.	<i>Funaria hygrometrica</i> Hedw.	Amarkantak	Tiwari <i>et al.</i> , 1995
Cl.: Bryopsida: Fam: Polytrichaceae			
16.	<i>Polytrichum sp.</i>	-	Tiwari <i>et al.</i> , 1995

E. Pteridophytes:

The BR is rich in fern flora and many of them are threatened due to their over exploitation or habitat loss. The following 40 species of pteridophytes belonging to 27 genera under 22 families are reported to exist in the BR.

Table 4. Pteridophytes (Ferns) reported from Achanakmar- Amarkantak BR.

S.N	Name of species and its synonyms	Distribution in BR	Status*	References
Fam: Adiantaceae				
1.	<i>Adiantum capillus-veneris</i> L.	Lamni, Amadob, Amarkantak	EN	Prasad & Pandey, 1987; Pandey <i>et al.</i> , 1991; Verma <i>et al.</i> , 1993; Saini, 2005; Tiwari, <i>et al.</i> , 1995
2.	<i>Adiantum lunulatum</i> Burm. (Syn. <i>Adiantum philippense</i> L.)	Achanakmar, Kapildhara, Dugdhdhara, Aamanala, Chachai, Kirer ghati	C	Saxena, 1970; Verma <i>et al.</i> , 1993; Tiwari <i>et al.</i> , 1995; Chaubey <i>et al.</i> , 2001; Khare and Bahera, 2007
3.	<i>Adiantum incisum</i> (Retz.) Copel. (Syn. <i>Adiantum caudatum</i> auct. Beddome)	Throughout BR	C	Panigrahi & Murti, 1989; Khare and Bahera, 2007
Fam: Aspidiaceae				
4.	<i>Dryopteris cochleata</i> (D. Don) C. Chr. (Syn. <i>Nephrodium cochleatum</i> Buch.	Dudhdhara, Kapildhara, Panchdhara, Amadob, Amarkantak	C	Saxena, 1970; Panigrahi and Murti, 1989; Verma <i>et al.</i> , 1993; Tiwari <i>et al.</i> , 1995; Khare and Bahera, 2007
5.	<i>Dryopteris sparsa</i> (D. Don) O. Ktze.	Amarkantak	C	Verma <i>et al.</i> , 1993; Tiwari <i>et al.</i> , 1995
6.	<i>Polystichum auriculatum</i> Sensus Bedd. (Syn. <i>Polystichum harpophyllum</i> (Zenk. et Ktze.) Sledge	-	EX	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Khare and Bahera, 2007
7.	<i>Tectaria macrodonta</i> (Fee.) C. Chr. (Syn. <i>Aspidium coadunatum</i> Wall ex Hook et Grev., <i>Tectaria coadunata</i> (Wall ex Hook. et Grev.) C. Chr.	Sonmuda, Amanala, Kapildhara	C	Saxena, 1970; Panigrahi and Murti, 1989; Tiwari <i>et al.</i> , 1995; Khare and Bahera, 2007
8.	<i>Tectaria polymorpha</i> (Wall. ex Hook.) Copel	Kapildhara	C	Verma <i>et al.</i> , 1993
Fam: Aspleniaceae				
9.	<i>Asplenium cheilosorum</i> Kze. ex Mett. (Syn. <i>Asplenium heterocarpum</i> Wall.)	Amarkantak	EN	Saxena, 1970; Verma <i>et al.</i> , 1993; Tiwari <i>et al.</i> , 1995; Saini, 2005; Khare and Bahera, 2007
Fam: Athyriaceae				
10.	<i>Athyrium falcatum</i> Bedd. (Syn.	Amarkantak,	R	Saxena, 1970;

	<i>Athyrium drepanophyllum</i> (Bak.) Bedd., <i>Asplenium drepanophyllum</i> Bak.)	Aamanala, Dudhdhara, Kapildhara, Maikibagia, Sonmuda		Tiwari, <i>et al.</i> , 1995; Panigrahi & Murti, 1989
Fam: Azollaceae				
11.	<i>Azolla pinnata</i> R. Br.	Throughout BR	C	Dix it & Singh, 2005
Fam: Blechnaceae				
12.	<i>Blechnum orientale</i> Linn. (Syn. <i>Asplenium orientale</i> (L.) Bernh., <i>Blechnum javanicum</i> (L.) Pr.)	Amarkantak, Dudhdhara, Shambhudhara	R	Saxena, 1970; Panigrahi and Murti, 1989; Verma <i>et al.</i> , 1993; Tiwari <i>et al.</i> , 1995; Khare and Bahera, 2007
Fam: Cheilanthaceae				
13.	<i>Cheilanthes farinosa</i> Forssk.) Kaulf. (Syn. <i>Pteris farinosa</i> Forsk., <i>Cheilanthes pulveracea</i> Pr., <i>Aleuritopteris farinosa</i> (Forsk.) Fee)	Kapildhara, Aamanala, Dudhdhara, Chachai, Chada, Amarkantak	C	Saxena, 1970; Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993; Tiwari <i>et al.</i> , 1995; Saini, 2005; Khare and Bahera, 2007
14.	<i>Cheilanthes albomarginata</i> Clarke	Throughout BR	C	Dix it & Singh, 2005
15.	<i>Cheilanthes tenuifolia</i> (Burm. f.) Sw.	Throughout BR	C	Dix it & Singh 2005
Fam: Cyatheaceae				
16.	<i>Alsophila balakrishanii</i>	Throughout BR	C	Dix it & Singh, 2005
Fam: Lindsiaeaceae				
17.	<i>Sphenomeris chinensis</i> (L.) Maxon	Throughout BR	C	Dix it & Singh, 2005
Fam: Equisetaceae				
18.	<i>Equisetum ramosissimum</i> Desf. subsp. <i>debile</i> (Roxb. ex Vaucher) Hauke	Dudhdhara, Chachai	C	Saxena, 1970; Verma <i>et al.</i> , 1993; Tiwari <i>et al.</i> , 1995; Singh and Dix it, 2005; Khare and Bahera, 2007
19.	<i>Equisetum diffusum</i> D. Don.	Amarkantak	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993; Saini, 2005
Fam: Isoetaceae				
20.	<i>Isoetes bilaspurensis</i> Panigrahi	Pasan, Amritdhara	Endemic	Panigrahi & Murti, 1989; Singh & Dix it, 2005
21.	<i>Isoetes coromandelina</i> L.f.	Near Kota	C	Panigrahi & Murti, 1989; Singh & Dix it, 2005
Fam: Loxogrammeaceae				
22.	<i>Loxogramme involuta</i> (D. Don.) Presl.	Throughout BR	C	Dix it & Singh, 2005
Fam: Marsileaceae				
23.	<i>Marsilea quadrifolia</i> Linn. (Syn.	Throughout BR	C	Panigrahi & Murti,

	<i>Marsilea minuta</i> L., <i>Marsilea major</i> (Haines) Chowdhury)			1989; Verma <i>et al.</i> , 1993; Tiwari <i>et al.</i> , 1995; Khare and Bahera, 2007
Fam: Ophioglossaceae				
24.	<i>Ophioglossum costatum</i> R. Br.	Throughout BR	C	Dix it & Singh, 2005
25.	<i>Ophioglossum reticulatum</i> Linn. (Syn. <i>Ophioglossum penuvianum</i> Presl., <i>Ophioglossum cordifolium</i> Roxb.)	Jaleshwar, Shambhudhara, Amarkantak	C/R	Saxena, 1970; Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993; Tiwari <i>et al.</i> , 1995; Saini, 2005; Khare and Bahera, 2007
Fam: Osmundaceae				
26.	<i>Osmunda</i> sp.	-	R	Verma <i>et al.</i> , 1993; Tiwari, <i>et al.</i> , 1995
Fam: Parkeriaceae				
27.	<i>Ceratopteris thalictroides</i> (Linn.) Brogn. (Syn. <i>C. siliquosa</i> Copeland; <i>Acrostichum thalictroides</i> L.)	Amarkantak	C	Saxena, 1970; Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993; Tiwari <i>et al.</i> , 1995; Khare and Bahera, 2007
Fam: Polypodiaceae				
28.	<i>Marginaria macrocarpa</i> (Bory.ex Wild) Nayar <i>et</i> Kaur (Syn. <i>Pleopeltis lanceolata</i> Linn.)	Bhri g u k a m a n d a l	EX	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Khare and Bahera, 2007
29.	<i>Microsorium membranaceum</i> (D. Don.) Ching. (Syn. <i>Polypodium membranaceum</i> D. Don., <i>Pleopeltis membranacea</i> Moore)	Amarkantak	R	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993; Tiwari <i>et al.</i> , 1995; Saini, 2005; Khare and Bahera, 2007
30.	<i>Paraleptochilus decurrens</i> (Bl.) Copel var. <i>lanceolata</i> (Fee) Dixit, (Syn. <i>Leptochilus lanceolatus</i> Fee; <i>Gymnopteris variabilis</i> Hook. var. <i>lanceolata</i> (Hook.) Bedd.)	Kabirchabutra	C/R	Saxena, 1970; Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993; Tiwari <i>et al.</i> , 1995; Saini, 2005; Khare and Bahera, 2007
Fam: Psilotaceae				
31.	<i>Psilotum nudum</i> (L.) P. Beauv.	Throughout BR	C	Dix it & Singh, 2005
Fam: Pteridaceae				
32.	<i>Pteris quadriaurita</i> Retz.	Dudhdhara, Kabirchabutra, Amarkantak	C	Saxena, 1970; Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993; Tiwari <i>et al.</i> , 1995; Saini, 2005; Khare and Bahera, 2007

33.	<i>Pteris vittata</i> Linn. (Syn. <i>Pteris longifolia</i> Linn.)	Foothill of Amarkantak	C	Panigrahi & Murti, 1989; Verma, <i>et al.</i> , 1993
Fam: Lygodiaceae				
34.	<i>Lygodium flexuosum</i> (Linn.) Sw. (Syn. <i>Ophioglossum flexuosum</i> Linn., <i>Ophioglossum scandens</i> Linn., <i>Lygodium scandens</i> (Linn.) Sw.)	Amadob	Rare	Prasad & Pandey, 1989; Verma <i>et al.</i> , 1993; Tiwari <i>et al.</i> , 1995; Chaubey, <i>et al.</i> , 2001; Saini, 2005; Khare and Bahera, 2007
Fam: Selaginellaceae				
35.	<i>Selaginella ciliaris</i> (Retz.) Spring (Syn. <i>Selaginella proniflora</i> Baker)	Kapildhara, Mai ki bagia, Amarkantak	C	Saxena, 1970; Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993; Tiwari <i>et al.</i> , 1995; Saini, 2005; Singh & Dixit, 2005; Khare and Bahera, 2007
36.	<i>Selaginella indica</i> (Milde) Trayon (Syn. <i>Selaginella longipila</i> Hieron, <i>Selaginella rupestris</i> Spring)	Shambhudhara	R	Saxena, 1970; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Singh & Dixit, 2005; Khare and Bahera, 2007
37.	<i>Selaginella bryopteris</i> (L.) Baker (Syn. <i>Lycopodium bryopteris</i> L.)	-	C	Verma <i>et al.</i> , 1993; Singh & Dixit, 2005
38.	<i>Selaginella repanda</i> (Desv. ex Poir.) Spring	Amarkantak	C	Panigrahi & Murti, 1993; Singh & Dixit, 2005
Fam: Thelypteridaceae				
39.	<i>Pronephrium nudatum</i> (Roxb. ex Griffith) Holttum (Syn. <i>Abcopteris multilineata</i> (Wall ex HK.) Ching, <i>Polypodium nudatum</i> Roxb., <i>Cyclosorus nudatum</i> (Roxb.) Nayar <i>et Kaur</i>)	Sonemuda, Dugdhadhara, Kabirchabutra	C	Saxena, 1970; Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993; Tiwari <i>et al.</i> , 1995; Chaubey <i>et al.</i> , 2001; Khare and Bahera, 2007
40.	<i>Christella parasitica</i> (Linn.) Tardieu (Syn. <i>Cyclosorus parasitica</i> (Linn.) <i>Polypodium parasiticum</i> L., <i>Dryopteris parasitica</i> L., <i>Nephrodium procurrens</i> (Mett.))	Dudhdhara, Kapildhara	C	Saxena, 1970; Verma <i>et al.</i> , 1993; Tiwari <i>et al.</i> , 1995; Khare and Bahera, 2007

* C= common; R=rare; EN=endangered; EX=extinct in wild

F. Gymnosperms:

Two species of gymnosperms, namely *Pinus roxburghii* Sarg. and *Thuja orientalis* L. were known to be planted at Amarkantak in 1970. Later, 14 species were introduced in Amarkantak and Lamni

ranges for experimental purposes. At presently, these are following 16 species of gymnosperms available as plantations in different ranges of the BR:

Table 5. Gymnosperm planted at Amarkantak of BR.

S.N.	Name of species	Distribution	Uses	Reference
1.	<i>Araucaria bidwillii</i> Hook.	Amarkantak	Timber	Tiwari <i>et al.</i> , 1995
2.	<i>Cedrus deodara</i> (Roxb.) G.Don	Amarkantak	Timber	Tiwari <i>et al.</i> , 1995
3.	<i>Juniperus</i> sp.	Amarkantak	Timber	Tiwari <i>et al.</i> , 1995
4.	<i>Pinus caribaea</i> Morelet	Amarkantak	Timber	Prasad & Danayak, 1992; Tiwari <i>et al.</i> , 1995
5.	<i>Pinus elliotti</i> Engelm.	Amarkantak	Timber	Prasad & Danayak, 1992; Tiwari <i>et al.</i> , 1995
6.	<i>Pinus gregaii</i> Engelm.	Amarkantak,	Timber	Tiwari <i>et al.</i> , 1995
7.	<i>Pinus kesiya</i> Royle ex Gord.	Amarkantak,	Timber	Prasad & Danayak, 1992; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
8.	<i>Pinus montezumae</i> Shaw	Amarkantak,	Timber	Tiwari <i>et al.</i> , 1995
9.	<i>Pinus oocarpa</i> Schiede	Amarkantak,	Timber	Prasad & Danayak, 1992; Tiwari <i>et al.</i> , 1995
10.	<i>Pinus patula</i> Schlecht. & Cham.	Amarkantak,	Timber	Prasad & Danayak, 1992; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
11.	<i>Pinus ponderosa</i> Laws.	Amarkantak,	Timber	Tiwari <i>et al.</i> , 1995
12.	<i>Pinus pseudostrobus</i> Lindl.	Amarkantak,	Timber	Prasad & Danayak, 1992; Tiwari <i>et al.</i> , 1995
13.	<i>Pinus roxburghii</i> Sarg.	Amarkantak, Lamni	Timber	Prasad & Danayak, 1992; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
14.	<i>Pinus serotina</i> Michx.	Amarkantak,	Timber	Tiwari <i>et al.</i> , 1995
15.	<i>Taxodium</i> sp.	Amarkantak,	Timber	Tiwari <i>et al.</i> , 1995
16.	<i>Thuja orientalis</i> L.	Amarkantak	Ornamental	Saxena, 1970; Tiwari <i>et al.</i> , 1995

G. Angiosperms:

The BR represents Tropical Deciduous Forests including Tropical Moist Deciduous as well as Tropical Dry Deciduous type of vegetation. In all, 794 dicotyledonous species belonging to 448 genera and 106 families are reported from different localities of the BR by various authors. Most of

these are common but a few are rare in occurrence. A brief about their distribution, economic uses, status and the authorities reported them are summarized as hereunder.

Table 6. Different dicotyledonous angiosperms reported from BR

S. N	Name of Species	Distribution in BR	Uses*	Status**	References
Fam: Acanthaceae					
1.	<i>Adhatoda zeylanica</i> Medic. (syn. <i>A. vasica</i> Nees)	Amarkantak	M, Ms, O	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
2.	<i>Andrographis paniculata</i> (Burm.f.) Wall. ex Nees	Achanakmar, Lamni	M	VU	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999; Prasad & Pandey, 1993; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003
3.	<i>Barleria cristata</i> L.	Amarkantak, Khondra	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
4.	<i>Barleria gibsoni</i> Dalzell	Keonchi, Khuria	M	C	Tiwari <i>et al.</i> , 1995
5.	<i>Barleria prionitis</i> L.	Khondra	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999
6.	<i>Barleria strigosa</i> Willd.	Amarkantak	-	C / R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
7.	<i>Blepharis maderaspatensis</i> (L.) Heyne ex Roth	Katghora, Keonchi	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999; Tiwari <i>et al.</i> , 1995
8.	<i>Blepharis repens</i> (Vahl) Roth	Kota	-	R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999
9.	<i>Carvia callosa</i> (Nees) Bremek. (syn. <i>Strobilanthes</i> <i>callosa</i> Nees)	Amarkantak	F	C	Mudgal <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995
10.	<i>Dicliptera verticiliata</i> (Forssk.) C. Christensen	Khuria	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999
11.	<i>Dipteracanthus beddomei</i> (C.B.Cl.) Sant.	Amarkantak, Keonchi	Ms	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
12.	<i>Dipteracanthus prostratus</i> (Poir.) Nees	Lamni, Pali	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999

13.	<i>Dipteracanthus suffruticosus</i> (Roxb.) Voigt	Pasan, Pasarkhet	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999
14.	<i>Dyschoriste nagchana</i> (Nees) Bennet (syn. <i>Dyschoriste erecta</i> (Burm.f.) O.Ktze.)	Amarkantak, Khuria	F, M	R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
15.	<i>Eranthemum purpurescens</i> Wight ex Nees	Achanakmar, Amarkantak, Khondra, Kabirchabutra, Lamni	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
16.	<i>Gendarussa vulgaris</i> Nees	Lainga	M	Cultivated	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999
17.	<i>Hemigraphis latebrosa</i> (Heine ex Roth) Nees	Achanakmar, Amarkantak, Kabirchabutra, Katghora	-	R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999; Saxena, 1970
18.	<i>Hygrophila auriculata</i> (Schum.) Heine (syn. <i>Asteracantha longifolia</i> (L.) Nees)	Achanakmar, Amarkantak, Katghora, Keonchi, Lamni	-	R	Mudgal <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995
19.	<i>Hygrophila balsamica</i> (L.f.) Raf.	-	-	R	Mudgal <i>et al.</i> , 1997; Tiwari <i>et al.</i> , 1995
20.	<i>Hygrophila incana</i> Nees	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
21.	<i>Hygrophila polysperma</i> T. And.	Amarkantak	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
22.	<i>Hygrophila schulli</i> (Schum & Heiner.) M.R. & S.M. Almeida	Achanakmar, Katghora, Keonchi, Lamni	-	C	Murti & Panigrahi, 1999
23.	<i>Indoneesiella echioides</i> (L.) Sreem.	Katghora, Madai	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999
24.	<i>Justicia betonica</i> L.	Amarkantak, Keonchi, Khuria	M	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
25.	<i>Justicia diffusa</i> Willd.	-	F	C	Tiwari <i>et al.</i> , 1995
26.	<i>Justicia quinqueangularis</i> Koen. ex Roxb.	Amarkantak	-	C	Mudgal <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995
27.	<i>Justicia simplex</i> D. Don	Amarkantak, Khudia, Lamni, Sarasdol	-	C	Mudgal <i>et al.</i> , 1997; Chaubey <i>et al.</i> , 2003; Saxena, 1970

28.	<i>Lepidagathis cristata</i> Willd.	Katghora	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995
29.	<i>Lepidagathis hamiltoniana</i> Wall ex Nees	Achanakmar	M	C	Murti & Panigrahi 1999
30.	<i>Lepidagathis incurva</i> Buch.-Ham. ex D.Don	Amarkantak, Lamni	M	C	Mudgal <i>et al.</i> , 1997; Saxena, 1970; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995
31.	<i>Lepidagathis purpuricaulis</i> Nees	Kabirchabutra	M	R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
32.	<i>Lepidagathis trinervis</i> Wall ex Nees	Katghora	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999
33.	<i>Nelsonia canescens</i> (Lam.) Spreng.	Amarkantak, Kabirchabutra, Katghora, Khondra	F, Ms	C / R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
34.	<i>Perilepta auriculata</i> (Nees) Bremek. (syn. <i>Perilepta edgeworthiana</i> (Nees) Bremek ; <i>Strobilanthes edgeworthiana</i> Nees)	Amarkantak, Palmi	O, M	C	Mudgal <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995
35.	<i>Peristrophe paniculata</i> (Forssk.) Brummit	Palmi	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999
36.	<i>Petalidium barlerioides</i> (Roth) Nees	Amarkantak, Khondra	-	R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
37.	<i>Ruellia tuberosa</i> L.	-	M	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
38.	<i>Rungia pectinata</i> (L.) Nees	Amarkantak	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
39.	<i>Rungia repens</i> (L.) Nees	Kabirchabutra, Katghora, Keonchi, Korbi	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995
40.	<i>Thunbergia fragrans</i> Roxb.	Achanakmar, Amarkantak, Kabirchabutra	Ms	R	Mudgal <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Amaranthaceae					

41.	<i>Achyranthus aspera</i> L.	Amarkantak, Chada, Kabirchabutra, Khudia Lamni, Sarasdol	F, M, Ms	C	Chaubey <i>et al.</i> , 2003; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
42.	<i>Achyranthus bidentata</i> Bl.	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
43.	<i>Aerva lanata</i> (L.) Juss.	Belghana, Kalidongri	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
44.	<i>Aerva monsonia</i> (L.f.) Mart.	-	M	C	Murti & Panigrahi 1999
45.	<i>Aerva sanguinolenta</i> (L.) Bl.	Achanakmar, Amarkantak, Kabirchabutra, Lamni	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
46.	<i>Allmania nodiflora</i> (L.) R.Br. ex Wt.	Pasan, Pasarkhet	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
47.	<i>Altemanthera pungens</i> Kunth	Amarkantak	-	R	Mudgal <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995
48.	<i>Altemanthera sessilis</i> (L.) R.Br. ex DC.	Amarkantak	F, M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
49.	<i>Amaranthus caudatus</i> L.	Amarkantak, Kabirchabutra	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
50.	<i>Amaranthus hybridus</i> L. ssp. <i>incurvatus</i> (Gren. & Godr.) Brenan var. <i>paniculatus</i> (L.) Mansf.	Amarkantak	F	C	Mudgal <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995
51.	<i>Amaranthus spinosus</i> L.	Achanakmar, Amarkantak, Kabirchabutra	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
52.	<i>Amaranthus tricolor</i> L.	Amarkantak, Belghana, Lamni, Pasan, Pasarkhet	F	R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
53.	<i>Amaranthus viridis</i> L. (syn. <i>Amaranthus gracilis</i> Desf.)	Pasarkhet	F, M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995

54.	<i>Celosia argentea</i> L.	Achanakmar, Amarkantak, Khootaghat	F, M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
55.	<i>Gomphrena celosioides</i> Mart.	Amarkantak, Khuria, Marwahi	F, M	R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Anacardiaceae					
56.	<i>Anacardium occidentale</i> L.	Amarkantak	F, D, O, T	Cultivated	Tiwari <i>et al.</i> 1995; Verma <i>et al.</i> , 1993
57.	<i>Buchanania lanzan</i> Spreng	Amarkantak, Katghora, Khudia, Lamni, Pasan, Sarasdol	F, M, Ms, O, T	C, NT	Chaubey <i>et al.</i> , 2003; Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003; Verma <i>et al.</i> , 1993
58.	<i>Lannea coromandelica</i> (Houtt.) Merr. (syn. <i>Lannea</i> <i>grandis</i> (Dennst.) Engl.)	Amarkantak, Katghora, Khuria, Lamni, Sarasdol	D, T	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
59.	<i>Mangifera indica</i> L.	Amarkantak, Kabirchabutra, Khondra, Lamni	M, F	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1993; Saxena, 1970; Tiwari <i>et al.</i> , 1995
60.	<i>Semecarpus anacardium</i> L.f.	Achanakmar, Katghora, Lamni, Marwahi, Pasankhet	F, Fb, M, T	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995 ; Verma <i>et al.</i> , 1993
61.	<i>Spondias pinnata</i> (L.f.) Kurz	Khondra,	F, M, T	R	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
Fam: Annonaceae					
62.	<i>Annona squamosa</i> L.	Amarkantak, Marwahi	F, O	Planted	Panigrahi & Murti 1989, Prasad <i>et al.</i> , 1988; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993

63.	<i>Miliusa tomentosa</i> Leschn. ex A.DC. (syn. <i>Saccopetalum tomentosum</i> (Roxb.) Hook.f. & Thoms.)	Khudia, Lamni, Sarasdol	Ms, F	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
64.	<i>Miliusa velutinum</i> (Dunal) Hook.f. & Thoms.	Pali	M, F, Ms	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
65.	<i>Polyalthia longifolia</i> (Sonner.) Thw.	Amarkantak	T	C	Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Apiaceae					
66.	<i>Bupleurum ramosissimum</i> W. & A. var. <i>wightii</i> (P. K. Mukh.) Bennet (syn. <i>Bupleurum wightii</i> Mukh.; <i>Bupleurum mucronatum</i> (W. & A.))	Amarkantak	M	R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
67.	<i>Centella asiatica</i> (L.) Urban	Amarkantak, Kabirchabutra, Lamni	M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
68.	<i>Hydrocotyle</i> <i>sibthorpioides</i> Lam.	Amarkantak	M	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
69.	<i>Oenanthe javanica</i> (Bl.) DC. (syn. <i>Oenanthe</i> <i>stolonifera</i> DC.)	Amarkantak	F, O	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
70.	<i>Peucedanum dhana</i> Buch- Ham. var. <i>dalzellii</i> C.B.Cl.	Amarkantak	M	C	Khanna <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
71.	<i>Peucedanum nagpurensis</i> Prain	Achanakmar, Amarkantak	M	VU	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003; Verma <i>et al.</i> , 1993
72.	<i>Pimpinella bracteata</i> Haines	Amarkantak	M	C	Tiwari <i>et al.</i> , 1995; Saxena, 1970
73.	<i>Pimpinella diversifolia</i> DC.	-	-	-	Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
74.	<i>Pimpinella heyneana</i> (DC.) Benth.	Amarkantak	M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
75.	<i>Pimpinella wallichiana</i> (Hoeck.) Gandhi (syn <i>Pimpinella monoica</i> Dalz.)	Amarkantak	F, M	R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
76.	<i>Trachyspermum</i> <i>stictocarpum</i> (C.B.Cl.) Wolff	-	F, M	C	Tiwari <i>et al.</i> , 1995
Fam: Apocynaceae					
77.	<i>Carissa carandas</i> L.	Kabirchabutra, Pasan, Semra	F, M, Ms	Cultivated	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989

78.	<i>Carissa opaca</i> Stapf ex Haines (syn. <i>Carissa spinarum</i> L.)	Amarkantak, Kabirchabutra, Lamni, Marwahi, Pasan	F, M, Ms	C	Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995
79.	<i>Catharanthus pusilus</i> (Murr.) G. Don	Pasarkhet, Siang	M	C	Verma <i>et al.</i> , 2001; Panigrahi & Murti, 1989
80.	<i>Catharanthus roseus</i> (L.) G. Don	Amarkantak	M	Planted	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
81.	<i>Holarrhena pubescens</i> (Buch.-Ham.) Wallich. ex G. Don (syn. <i>Holarrhena antidysenterica</i> Wall.)	Amarkantak, Korbi, Khudia, Pasan,	M, T	C / R	Chaubey <i>et al.</i> , 2003; Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1981 Saxena, 1970; Tiwari <i>et al.</i> , 1995
82.	<i>Ichnocarpus frutescens</i> (L.) R.Br.	Khondra, Khuria, Sarasdol	M, Ms	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Mudgal <i>et al.</i> , 1997
83.	<i>Nerium indicum</i> Mill. (syn. <i>Nerium odorum</i> Sol.)	Amarkantak, Kabirchabutra	M, O	Planted	Chaubey <i>et al.</i> , 2003; Mudgal, <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
84.	<i>Plumeria rubra</i> L.	-	M, T	C	Mudgal <i>et al.</i> , 1997; Tiwari <i>et al.</i> , 1995
85.	<i>Rauwolfia serpentina</i> (L.) Benth. ex Kurz	Amarkantak	M	CR	Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003
86.	<i>Tabernaemontana divaricata</i> (L.) R. Br.	Amarkantak		Planted	Saxena, 1970; Tiwari <i>et al.</i> , 1995
87.	<i>Thevetia peruviana</i> (Pers.) K.Schum.	Amarkantak, Marwahi	M	Planted	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Aristolochiaceae					
88.	<i>Aristolochia bracteolata</i> Lam.	-	M	C	Tiwari <i>et al.</i> , 1995
Fam: Asclepiadaceae					
89.	<i>Calotropis gigantea</i> (L.) W.T.Ait.	Khondra, Lamni	Fb, O	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
90.	<i>Calotropis procera</i> (Ait.) R.Br.	Amarkantak, Palmi	Fb, M	C / R	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
91.	<i>Ceropegia hirsuta</i> Wight & Arn.	Amarkantak,	M	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995

92.	<i>Cryptolepis buchnanii</i> R. & S.	Amarkantak, Kabirchabutra, Marwahi, Pasan	Fb, M	R	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
93.	<i>Gymnema sylvestre</i> (Retz.) R. Br. ex Schult.	Marwahi, Pasan	M, Ms	VU	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Ved <i>et al.</i> , 2003
94.	<i>Hemidesmus indicus</i> (L.) Schult.	Amarkantak, Keonchi, Khudia, Lamni	M	C	Chaubey <i>et al.</i> , 2003; Mudgal, <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
95.	<i>Leptadenia reticulata</i> (Retz.) Wight & Arn.	Pasan, Pendra	M	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989
96.	<i>Marsdenia tenacissima</i> (Roxb.) Moon.	Khuria	Fb	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
97.	<i>Pergularia daemia</i> (Forssk.) Choiv.	-	F, M	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
98.	<i>Tylophora rotundifolia</i> Buch. - Ham. ex Wight	Pasarkhet	M	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989
99.	<i>Wattakaka volubilis</i> (L.f.) Stapf	-	M	C	Mudgal <i>et al.</i> , 1997; Tiwari <i>et al.</i> , 1995
Fam: Asteraceae					
100.	<i>Acanthospermum hispidum</i> DC.	Amarkantak, Katghora, Pasan	M, O	C	Panigrahi & Murti, 1989; Saxena, 1970, Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
101.	<i>Adenostemma angustifolium</i> Arn. (syn. <i>A. viscosum</i> Forst.)	-	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
102.	<i>Adenostemma lavenia</i> (L.) O. Ktze.	Amarkantak, Kabirchabutra	M	R	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
103.	<i>Ageratum conyzoides</i> L.	Chada, Kabirchabutra, Katghora, Khondra, Khudia, Sarasdol	M, O	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
104.	<i>Ageratum houstonianum</i> Mill.	Amarkantak	O	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995

105.	<i>Amberboa ramosa</i> (Roxb.) Jafri	Aurapani	M	C	Panigrahi & Murti, 1989
106.	<i>Anaphalis</i> sp.	-	M	-	Tiwari <i>et al.</i> , 1995
107.	<i>Artemisia parviflora</i> Buch.-Ham. ex Roxb.	Amarkantak	M	R	Saxena, 1970
108.	<i>Bidens biternata</i> (Lour.) Merr. & Sheriff (syn. <i>Bidens pilosa</i> L.)	Amarkantak, Pendra	F, M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
109.	<i>Blainvillea acmella</i> (L.) Philipson	Amarkantak, Katghora	M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
110.	<i>Blumea bifoliata</i> DC.	Amarkantak, Parasi	O	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
111.	<i>Blumea eriantha</i> DC.	Achanakmar	O	R	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
112.	<i>Blumea fistulosa</i> (Roxb.) Kurz	Chauradadar, Kabirchabutra, Pasan, Semra	O	C	Panigrahi & Murti, 1989; Verma, <i>et al.</i> , 1993
113.	<i>Blumea lacera</i> (Burm.f.) DC.	Amarkantak	M, O	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
114.	<i>Blumea laciniata</i> (Roxb.) DC.	Amarkantak, Kabirchabutra, Keonchi, Pendra	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
115.	<i>Blumea membranacea</i> DC. var. <i>jacquemontii</i> (Hook.f.) Randeria	Chauradadar, Kabirchabutra	-	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
116.	<i>Blumea mollis</i> (D. Don) Merr.	Lamni, Keonchi, Pendra	-	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
117.	<i>Blumea oxydonta</i> DC.	Amarkantak, Kabirchabutra, Katghora, Keonchi	-	C / R	Saxena, 1970; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
118.	<i>Blumea virens</i> DC.	Amarkantak	-	-	Saxena, 1970
119.	<i>Blumea flava</i> (DC.) Gagnep.	Amarkantak, Lafa, Madai, Pasan	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
120.	<i>Caesulia axillaris</i> Roxb.	-	-	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
121.	<i>Carthamus tinctorius</i> L.	Khondra	O	Cultivated	Khanna <i>et al.</i> , 2001; Panigrahi & Murti, 1989

122.	<i>Centipeda minima</i> (L.) A. Br. & Aschers.	Amarkantak, Kudmura, Marwahi	M, O	C	Saxena, 1970; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
123.	<i>Centrantherum anthelmin- ticum</i> (Willd.) O. Ktze.	Amarkantak, Pasarkhet	M, O	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
124.	<i>Chrysanthellum americanum</i> (L.) Vatke	-	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
125.	<i>Chrysanthemum indicum</i> L.	Amarkantak	-	Planted	Khanna <i>et al.</i> , 2001; Panigrahi & Murti, 1989; Saxena, 1970;
126.	<i>Conyza bonariensis</i> (L.) Cronquist (syn. <i>Erigeron bonariensis</i> L.)	Amarkantak	-	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
127.	<i>Conyza canadensis</i> (L.) Cronquist	Amarkantak	-	R	Saxena, 1970
128.	<i>Conyza japonica</i> Less.	Amarkantak	-	R	Saxena, 1970; Verma <i>et al.</i> , 1993
129.	<i>Conyza leucantha</i> (D. Don) Ludlow & Raven	Kabirchabutra, Lamni	-	C	Panigrahi & Murti, 1989; Verma, <i>et al.</i> , 1993
130.	<i>Conyza stricta</i> Willd.	Amarkantak	-	R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
131.	<i>Conyza viscidula</i> Wall	Amarkantak, Kabirchabutra, Lamni	-	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
132.	<i>Cosmos bipinnatus</i> Cav.	Amarkantak	O	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
133.	<i>Cosmos sulphureus</i> Cav.	Amarkantak, Kabirchabutra, Khondra, Pasan	Ms	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
134.	<i>Crassocephalum crepidioides</i> (Benth.) S. Moore	Kabirchabutra, Pendra	-	R	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
135.	<i>Launaea acaulis</i> (Roxb.) Babcock ex Kerr (syn. <i>Crepis acaulis</i> Hook.f.)	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
136.	<i>Cyathocline purpurea</i> (Buch.-Ham. ex D. Don) O. Ktze.	Amarkantak, Kabirchabutra, Lamni	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
137.	<i>Dicrocephala integrifolia</i> (L.f) Kuntze	Amarkantak, Kabirchabutra	-	C / R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma, <i>et al.</i> , 1993

138.	<i>Eclipta prostrata</i> (L.) L.	Achanakmar, Amarkantak, Katghora, Lamni	M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
139.	<i>Elephantopus scaber</i> L.	Achanakmar, Amarkantak, Amadoh, Chada, Katghora, Khudia, Lamni	M	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995
140.	<i>Emilia sonchifolia</i> (L.) DC.	Amarkantak, Katghora, Pali, Parasi, Pasan	M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
141.	<i>Galinsoga parviflora</i> Cav.	Amarkantak	F	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
142.	<i>Glossocardia bosvallea</i> (L.f.) DC.	Madai	F	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
143.	<i>Gnaphalium affine</i> D. Don (syn. <i>G. luteo-album</i> L. ssp. <i>affine</i> (D. Don) J. Kost.)	Amarkantak, Lamni	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
144.	<i>Gnaphalium</i> <i>pennsylvanicum</i> Willd. (syn. <i>G. purpureum</i> L.)	Amarkantak	M	R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
145.	<i>Gnaphalium polycaulon</i> Pers. (syn. <i>G. indicum</i> auct. non L.) Hook. f.	Amarkantak	F	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
146.	<i>Grangea maderaspatana</i> (L.) Poir.	Khuria	-	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
147.	<i>Guizotia abyssinica</i> (L.f.) Cass.	Amarkantak, Pasarkhet	F, M, O	Cultivated	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995, Verma <i>et al.</i> , 1993
148.	<i>Lagascea mollis</i> Cav.	Amarkantak, Kabirchabutra, Khondra, Lamni	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
149.	<i>Laggera alata</i> (D. Don) Schultz-Bip. ex Oliv.	Kabirchabutra	M, O	C	Panigrahi & Murti, 1989; Verma <i>et</i> <i>al.</i> , 1993
150.	<i>Laggera crispa</i> (Vahl) Hepper & Wood (syn. <i>Laggera pterodonta</i> (DC.) Schultz.- Bip. ex Oliv.)	Amarkantak	M	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et</i> <i>al.</i> , 1993
151.	<i>Launaea asplenifolia</i> (Willd.) Hook. f.	-	-	-	Tiwari <i>et al.</i> , 1995; Khanna <i>et al.</i> , 2001

152.	<i>Launaea nudicaulis</i> Hook.f.	Amarkantak	F, Ms	R	Saxena, 1970
153.	<i>Pentanema cernua</i> (Dalz.) Ling	-	-	C	Saxena, 1970
154.	<i>Pentanema indicum</i> (L.) Ling (syn. <i>Vicoa indica</i> (L.) DC.)	Amarkantak	F, M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma, <i>et al.</i> , 1993
155.	<i>Pulicaria crispa</i> Sch.- Bip.	Amarkantak	F, M	C	Saxena, 1970
156.	<i>Pulicaria foliolosa</i> DC.	Amarkantak, Khuria	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
157.	<i>Senecio nudicaulis</i> Buch.- Ham. ex D. Don	Amarkantak	M	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
158.	<i>Siegesbeckia orientalis</i> L.	Amarkantak, Kabirchabutra, Lamni	M, O	C / R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
159.	<i>Sonchus asper</i> (L.) Hill.	Achanakmar Amarkantak	F, M	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
160.	<i>Sonchus brachyotus</i> DC.	Achanakmar, Amarkantak, Kabirchabutra	M, O	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
161.	<i>Sonchus oleraceus</i> L.	Amarkantak	M, O	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
162.	<i>Sonchus wightianus</i> DC.	Achanakmar, Kabirchabutra	-	C	Panigrahi & Murti, 1989; Shrivastava, 1986; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
163.	<i>Sphaeranthus indicus</i> L.	Katghora	M, O	C	Panigrahi & Murti, 1989
164.	<i>Spilanthes paniculata</i> Wall ex DC.	Amarkantak, Khondra, Khuria	M, Ms	C / R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
165.	<i>Tegetes erecta</i> L.	-	-	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
166.	<i>Tridax procumbens</i> L.	Amarkantak, Pasan	M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
167.	<i>Vernonia aspera</i> Buch.- Ham. (syn. <i>Vernonia</i> <i>roxburghii</i> Less.; <i>Vernonia</i> <i>pyramidale</i> (D. Don) Mitra)	Achanakmar, Katghora, Kenda, Madai	-	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993

168.	<i>Vernonia cinerea</i> (L.) Less.	Amarkantak, Kabirchabutra, Marwahi, Pasarkhet	M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
169.	<i>Vernonia divergens</i> (Roxb.) Edgew.	Amarkantak, Kabirchabutra Keonchi	-	C	Panigrahi & Murti, 1989 Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
170.	<i>Vernonia squarrosa</i> (D.Don) Less.	-	-	-	Tiwari <i>et al.</i> , 1995
171.	<i>Wedelia urticaefolia</i> DC. var. <i>wightii</i> DC.	Amarkantak	-	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
172.	<i>Xanthium indicum</i> Koen. ex Roxb. (syn. <i>Xanthium</i> <i>strumarium</i> L.)	Amarkantak	F, M, Ms, O	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
173.	<i>Youngia japonica</i> (L.) DC.	Amarkantak, Kabirchabutra	Ms, O	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
174.	<i>Zinnia elegans</i> Jacq.		Ms, O	C	Khanna <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
Fam: Balsaminaceae					
175.	<i>Impatiens balsamina</i> L.	Amarkantak	F, O, M	C	Panigrahi & Murti, 1989 Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Begoniaceae					
176.	<i>Begonia picta</i> Sm.	Amarkantak, Madai	Ms	C	Panigrahi & Murti, 1989 Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Bignoniaceae					
177.	<i>Oroxylum indicum</i> (L.) Vent.	Amarkantak	F, M	VU	Mudgal, <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et</i> <i>al.</i> , 2003
178.	<i>Radermachera xylocarpa</i> (Roxb.) K. Schum.	Amarkantak	M, T	C / R	Mudgal, <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
179.	<i>Stereospermum chelonoides</i> (L.f.) DC. (syn. <i>Stereospermum</i> <i>suaveolens</i> DC.)	Achanakmar, Amarkantak, Katghora, Khondra, Lamni	M, T	C / R, NT	Mudgal, <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003
180.	<i>Stereospermum colais</i> (Dillwyn) Mabblerley (syn. <i>Stereospermum</i> <i>personatum</i> (Hassk.) Chatterjee)	Khudia, Lamni, Sarasdol	M, T	C	Chaubey <i>et al.</i> , 2003 ; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995; Mudgal, <i>et al.</i> , 1997

Fam: Bixaceae					
181.	<i>Bixa orellana</i> L.	Amarkan tak	D	C	Panigrahi & Murti, 1989 Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Bombacaceae					
182.	<i>Bombax ceiba</i> L.	Amarkantak, Lamni, Sarasdol	Ms	R	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989 Saxena, 1970; Tiwari <i>et</i> <i>al.</i> , 1995; Verma <i>et</i> <i>al.</i> , 1993
Fam: Boraginaceae					
183.	<i>Coldenia procumbens</i> L.	Katghora, Khuria, Marwahi	M	C	Mudgal, <i>et al.</i> , 1997; Panigrahi & Murti, 1989
184.	<i>Cordia dichotoma</i> G. Forst.	Amarkantak	F, M, T	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
185.	<i>Cordia macleodii</i> (Griff.) Hook.f. & T. Thoms.	Katghora	M, T	R	Mudgal, <i>et al.</i> , 1997; Panigrahi & Murti, 1989
186.	<i>Cynoglossum</i> <i>lanceolatum</i> Forsk.	Achanakmar, Amarkantak, Lamni	M	C	Mudgal, <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
187.	<i>Ehretia laevis</i> Roxb.	Khuria	M	R	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
188.	<i>Heliotropium indicum</i> L.	Khuria	M	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989;
189.	<i>Heliotropium ovalifolium</i> Forssk.	Khuria, Marwahi, Parasi	M	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
190.	<i>Heliotropium strigosum</i> Willd.	Marwahi	M	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989
191.	<i>Rotula aquatica</i> Lour.	Katra, Kota, Khootghat	M	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989
192.	<i>Trichodesma indicum</i> (L.) R. Br. <i>ex</i> Lehm.	Amarkantak, Katghora, Lamni	F, M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
193.	<i>Trichodesma zeylanicum</i> (Burm.f.) R.Br.	Tehrapani	M, O	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989
Fam: Brassicaceae					

194.	<i>Brassica juncea</i> (L.) Czern. & Coss.	Amarkantak	M, F	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
195.	<i>Brassica napus</i> L.	Amarkantak	F	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
196.	<i>Brassica rapa</i> L. ssp. <i>campestris</i> (L.) Clapham var. <i>campestris</i> (syn. <i>Brassica campestris</i> L.)	Achanakmar, Katghora	O,M	Cultivated	Panigrahi & Murti, 1989; Saxena, 1970
197.	<i>Brassica rapa</i> L. ssp. <i>campestris</i> (L.) Clapham var. <i>sarson</i> Prain	Amarkantak, Katghora	O,M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
198.	<i>Lepidium sativum</i> L.	Kabirchabutra	F,M,O	R	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
199.	<i>Raphanus sativus</i> L.	Amarkantak	F,M	Cultivated	Saxena, 1970; Tiwari <i>et al.</i> , 1995
200.	<i>Rorippa indica</i> (L.) Hiern	Ratanpur	F, M, Ms	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
Fam: Buddlejaceae					
201.	<i>Buddleja asiatica</i> Lour.	Achanakmar, Amarkantak	F	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Burseraceae					
202.	<i>Boswellia serrata</i> Roxb. ex Collebr.	Amarkantak	F, O, T	VU	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003
203.	<i>Bursera serrata</i> Wall. ex Colebr.	Amarkantak	O	C / R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
204.	<i>Garuga pinnata</i> Roxb.	Amarkantak, Kabirchabutra, Keonchi, Lamni, Sarasdol	M, T	C / R	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Cactaceae					
205.	<i>Opuntia elatior</i> Mill.	Amarkantak	F, Fb, M	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
206.	<i>Opuntia vulgaris</i> Mill. (syn. <i>Opuntia monacantha</i> (Willd.)Haw.)	Amarkantak	-	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995

Fam: Caesalpiniaceae					
207.	<i>Bauhinia malabarica</i> Roxb.	Amarkantak, Kabirchabutra, Khondra, Khudia, Lamni, Sarasdol	F, M	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
208.	<i>Bauhinia purpurea</i> L.	Kota	M, Ms, O	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
209.	<i>Bauhinia racemosa</i> Lam.	Achanakmar	Fb, M	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
210.	<i>Bauhinia semla</i> Wunderlin (syn. <i>Bauhinia retusa</i> Buch.- Ham. ex Roxb.)	Amarkantak Kabirchabutra, Khondra	Ms, T	C	Saxena, 1970; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
211.	<i>Bauhinia vahlii</i> W. & A.	Achanakmar, Amarkantak, Amadob, Lamni, Kabirchabutra, Keonchi	F, Ms	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1987 & 1993; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
212.	<i>Bauhinia variegata</i> L.	Amarkantak, Khondra, Pendra, Panisemra	M, Ms O	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
213.	<i>Caesalpinia bonduc</i> (L.) Roxb.	Throughout the BR	M, Ms, T	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
214.	<i>Caesalpinia decapetala</i> (Roth) Alston	Kabirchabutra, Marwahi	-	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
215.	<i>Cassia absus</i> L.	Khondra	M, O	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
216.	<i>Cassia alata</i> L.	Katghora	M	R	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
217.	<i>Cassia auriculata</i> L.	-	M	-	Tiwari <i>et al.</i> , 1995
218.	<i>Cassia fistula</i> L.	Achanakmar, Khuria, Lamni	M, T	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1987;

					Saxena, 1970; Tiwari <i>et al.</i> , 1995
219.	<i>Cassia mimosoides</i> L.	Amarkantak	-	R	Panigrahi & Murti, 1989; Saxena, 1970 ; Tiwari <i>et al.</i> , 1995
220.	<i>Cassia obtusifolia</i> L.	Ratanpur	M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
221.	<i>Cassia occidentalis</i> L.	Achanakmar, Amarkantak, Kota	M	C	Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
222.	<i>Cassia pumila</i> Lam.	Amarkantak, Madai	M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
223.	<i>Cassia tora</i> L.	Achanakmar, Amarkantak, Pasan	F, M	C	Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
224.	<i>Tamarindus indica</i> L.	Mew ahi, Achanakmar, Lamni	D, F, M, T	C	Panigrahi & Murti, 1989; Prasad & Pandey, 1993; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Campanulaceae					
225.	<i>Campanula benthamii</i> Wall ex Kitamura (syn. <i>Campanula wallichii</i> Babu)	Amarkantak, Kabirchabutra	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
226.	<i>Cephalostigma hookeri</i> C.B.Cl.	Amarkantak	-	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
227.	<i>Lobelia alsinoides</i> Lam.	Achanakmar, Keonchi, Pasan	M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
228.	<i>Lobelia heyneana</i> R. & S.	Amarkantak	-	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
229.	<i>Wahlenbergia erecta</i> (Roth ex Roem. & Schult.) Tuyn (syn. <i>Cephalostigma</i> <i>erectum</i> (Roth ex R. Br.) Vatke)	Amarkantak, Korbi	M	R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
230.	<i>Wahlenbergia marginata</i> (Thunb.) DC.	Amarkantak, Pondu, Ratanpur	-	R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Capparaaceae					

231.	<i>Capparis zeylanica</i> L. (syn. <i>C. horrida</i> L.f.)	Pali	F, M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
232.	<i>Capparis decidua</i> (Forsk.) Edgew.	Amarkantak	-	-	Prasad <i>et al.</i> , 1988 Panigrahi & Murti, 1989
233.	<i>Cleome chelidonii</i> L.f.	Khuria	M	C	Panigrahi & Murti, 1989
234.	<i>Cleome monophylla</i> L.	Katghora, Pasan, Pendra	M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
235.	<i>Cleome viscosa</i> L.	Achanakmar, Lamni	M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
Fam: Caricaceae					
236.	<i>Carica papaya</i> L.	Amarkantak	F, M, O	Planted	Panigrahi & Murti, 1989; Saxena, 1970
Fam: Caryophyllaceae					
237.	<i>Drymaria cordata</i> (L.) Willd. ex Roem. & Schult.	Lamni	Ms	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
238.	<i>Polycarpaea corymbosa</i> (L.) Lam.	Pasan	M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
239.	<i>Polycarpaea aurea</i> (Wight) Wight & Arn.	Katghora	M	C	Panigrahi & Murti, 1989
240.	<i>Polycarpon prostratum</i> (Forsk.) Aschers. & Schweinf.	Katghora, Pasan	M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
Fam: Celastraceae					
241.	<i>Cassine glauca</i> (Rottb.) O. Kuntze (syn. <i>Elaeodendron</i> <i>glaucum</i> Pers.)	Amarkantak	Fb, T	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
242.	<i>Celastrus paniculatus</i> Willd.	Amarkantak, Katghora, Keonchi, Khondra, Marwahi	M	VU	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003; Verma <i>et al.</i> , 1993
Fam: Chenopodiaceae					
243.	<i>Chenopodium album</i> L.	Amarkantak, Khondra	F, M	Cultivated	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Combretaceae					

244.	<i>Anogeissus latifolia</i> (Roxb. ex DC.) Wall ex Guill. & Pers.	Amarkantak, Khudia, Lamni, Pasan, Sarasdol	Ms,	C / R	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
245.	<i>Combretum nanum</i> Buch.-Ham. ex D. Don.	Amarkantak	-	R	Saxena, 1970; Verma <i>et al.</i> , 1993
246.	<i>Combretum roxburghii</i> Spreng.	Katghora, Kota, Lormi	Ms	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
247.	<i>Quisqualis indica</i> L.	Amarkantak	M, Ms, D	Planted	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
248.	<i>Terminalia alata</i> Heyne ex Roth (syn. <i>Terminalia tomentosa</i> (Roxb. ex DC.) Wight & Arn.)	Amarkantak, Khudia, Lamni, Parasi, Sarasdol	D, M, T	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
249.	<i>Terminalia arjuna</i> (Roxb. ex DC.) Wight & Arn.	Amarkantak	D, M	NT	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003; Verma <i>et al.</i> , 1993
250.	<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Amarkantak	M, T	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
251.	<i>Terminalia chebula</i> Retz.	Amarkantak, Kabirchabutra, Katghora, Khudia, Lamni, Marwahi, Sarasdol	M, O	VU	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003; Verma <i>et al.</i> , 1993
Fam: Convolvulaceae					
252.	<i>Argyreia strigosa</i> (Roth) Sant. & Patel	Amarkantak, Kabirchabutra	F, Fb,	C / R	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
253.	<i>Cuscuta reflexa</i> Roxb.	Amarkantak	M	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
254.	<i>Erycibe paniculata</i> Roxb.	Katghora, Kota	F, M	C	Panigrahi & Murti, 1989; Mudgal <i>et al.</i> , 1997

255.	<i>Evolvulus alsinoides</i> (L.) L.	Achanakmar, Amarkantak, Lamni	M	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Prasad & Pandey, 1993; Saxena, 1970; Tiwari <i>et al.</i> , 1995
256.	<i>Evolvulus nummularius</i> (L.) L.	Khondra, Khuria, Marwahi	M	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
257.	<i>Ipomoea aquatica</i> Forsk.	Amarkantak,	F, M	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
258.	<i>Ipomoea cairica</i> (L.) Sweet	Amarkantak, Champa	F, M	Planted	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
259.	<i>Ipomoea carnea</i> Jacq ssp. <i>fistulosa</i> (Mart. & Choisy) Austin	Belghana, Katghora, Khootaghat	M	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
260.	<i>Ipomoea eriocarpa</i> R. Br.	Amarkantak, Katghora	F, M	C/ R	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
261.	<i>Ipomoea hederifolia</i> L.	Achanakmar, Amarkantak, Katghora, Lamni	M	C/ R	Panigrahi & Murti, 1989; Prasad & Pandey, 1993, Saxena, 1970; Tiwari <i>et al.</i> , 1995
262.	<i>Ipomoea nil</i> (L.) Roth	Throughout the BR	M, O	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
263.	<i>Ipomoea obscura</i> (L.) Ker - Gawl.	Khuria, Lormi	M	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989
264.	<i>Ipomoea pes-tigridis</i> L.	Achanakmar, Khondra	M, Ms	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989
265.	<i>Ipomoea quamoclit</i> L.	Amarkantak	-	Planted	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
266.	<i>Ipomoea sinensis</i> (Desr.) Choisy	Pasarkhet	-	R	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989
267.	<i>Merremia aegyptia</i> (L.) Urban	Pasan	F	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989

268.	<i>Merremia emarginata</i> (Burm.f.) Hall.f.	Khuria	M	C	Panigrahi & Murti, 1989
269.	<i>Merremia hederacea</i> (Burm.f.) Hall.f.	Khondra	M	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989
270.	<i>Merremia tridentata</i> (L.) H. Hailler ssp. <i>hastata</i> (Choisy) van Oostr.	Khootghat	M	C / R	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989
271.	<i>Operculina turpethum</i> (L.) Manso	Pali	M	R, NT	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Ved <i>et al.</i> , 2003
272.	<i>Porana paniculata</i> Roxb.	Amarkantak	Ms	Planted	Saxena, 1970; Tiwari <i>et al.</i> , 1995
273.	<i>Porana racemosa</i> Roxb.	Amarkantak	Ms	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Cornaceae					
274.	<i>Alangium salvifolium</i> (L.f.) Wang ssp. <i>salvifolium</i>	Katghora, Belghat	M	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Crassulaceae					
275.	<i>Kalanchoe pinnata</i> (Lam.) Pers. (syn. <i>Bryophyllum calycinum</i> Salisb.)	Amarkantak, Lamni	M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Cucurbitaceae					
276.	<i>Coccinia grandis</i> (L.) Voigt	Neur	-	C	Panigrahi & Murti, 1989
277.	<i>Cucumis melo</i> L.	Amarkantak	F, M, O	Cultivated	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
278.	<i>Cucumis sativus</i> L.	Amarkantak	M, Ms	Cultivated	Saxena, 1970; Tiwari <i>et al.</i> , 1995
279.	<i>Cucumis setosus</i> Cogn.	Kota	-	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
280.	<i>Diplocyclos palmatus</i> (L.) Jaffery	Amarkantak	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
281.	<i>Luffa cylindrica</i> (L.) M. J. Roem.	Pendra	F, M, Ms	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
282.	<i>Melothria heterophylla</i> (Lour.) Cogn.	Amarkantak	F, M	C / R	Saxena, 1970; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993

283.	<i>Melothria maderaspatana</i> (L.) Cogn.	Amarkantak, Keonchi	M	C / R	Panigrahi & Murti, 1989; Saxena, 1970
284.	<i>Momordica dioica</i> Roxb. ex Willd.	-	F / M	C	Panigrahi & Murti, 1989
285.	<i>Trichosanthes bracteata</i> (Lam.) Voigt	Amarkantak	M	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
286.	<i>Trichosanthes cordata</i> Roxb.	Amarkantak	M	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
287.	<i>Trichosanthes cucumerina</i> L.	Amarkantak	F / M	C	Panigrahi & Murti, 1989, Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Dilleniaceae					
288.	<i>Dillenia aurea</i> Sm.	Lamni	Ms, M	R	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Dipterocarpaceae					
289.	<i>Shorea robusta</i> Gaertn.f.	Amarkantak, Amadob, Chada, Keonchi, Khudia, Lamni, Sarasdol	T	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Verma <i>et al.</i> , 1993
Fam: Droseraceae					
290.	<i>Drosera burmanii</i> Vahl.	Amarkantak, Katghora, Keonchi	Ms	R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
291.	<i>Drosera indica</i> L.	Amarkantak, Lamni	Ms	R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Ebenaceae					
292.	<i>Diospyros lancifolia</i> Roxb.	Pasan	F, M	R	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989
293.	<i>Diospyros malabarica</i> (Desr.) Kostel	-	-	-	Mudgal, <i>et al.</i> , 1997; Tiwari <i>et al.</i> , 1995
294.	<i>Diospyros melanoxylon</i> Roxb.	Amarkantak, Amadob, Katghora, Keonchi, Khudia, Lamni, Pasan, Semra	F, M	C	Chaubey <i>et al.</i> , 2003; Mudgal, <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
295.	<i>Diospyros sylvatica</i> Roxb.	Kabirchabutra	F, Ms	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995

Fam: Elatinaceae					
296.	<i>Bergia ammannioides</i> Roxb.	Khondra	-	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
Fam: Euphorbiaceae					
297.	<i>Acalypha ciliata</i> Forsk.	Khuria, Karidongri	M	C	Saxena, 1970; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995
298.	<i>Antidesma acidum</i> Retz. (syn. <i>A. diandrum</i> (Roxb.) Heyne.ex Roth; <i>Antidesma</i> <i>ghaesembilla auct. non</i> Gaertn.)	Achankamar, Keonchi, Khondra, Korbi, Lamni, Marwahi, Pasarkhet, Pasan	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Prasad & Pandey, 1987
299.	<i>Baliospermum montanum</i> (Willd.) Muell.-Arg.	Achanakmar, Amarkantak	M	NT	Murti & Panigrahi 1999; Saxena 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003
300.	<i>Bridelia retusa</i> Spreng. (syn. <i>B. airyshawii</i> P.T.Li)	Amarkantak, Katghora, Pasarkhet, Sarasdol	M, Ms, T	C / R	Chaubey <i>et al.</i> , 2003; Mudgal, <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970
301.	<i>Chrozophora prostrata</i> Dalz. var. <i>prostrata</i>	Khami, Pandaria	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995
302.	<i>Chrozophora rottleri</i> (Geisler) A.Juss. ex Spreng.	Karidongri	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
303.	<i>Cleistanthus collinus</i> (Roxb.) Benth.ex Hook. f.	Achanakmar, Khondra, Khuria, Pendra, Sarasdol	M, T	C	Chaubey <i>et al.</i> , 2003; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995
304.	<i>Croton roxburghii</i> Balak.	Kudmura, Pasan	Ms	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
305.	<i>Euphorbia chamaesyce</i> L. (syn. <i>E. prostrata</i> Ait.)	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Mudgal <i>et al.</i> , 1997
306.	<i>Euphorbia drancunculoides</i> Lam.	Pendra	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
307.	<i>Euphorbia heterophylla</i> L. (syn. <i>Euphorbia</i> <i>geniculata</i> Orteg.)	Amarkantak Pasarkhet	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
308.	<i>Euphorbia hirta</i> L.	Amarkantak, Marwahi	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970;

					Tiwari <i>et al.</i> , 1995
309.	<i>Euphorbia hypericifolia</i> L.	Kabirchabutra, Khondra, Khuria, Lamni, Pandaria	M	C / R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
310.	<i>Euphorbia neriifolia</i> L.	Amarkantak, Palmi	M	C / R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
311.	<i>Euphorbia perbracteata</i> Gage	Khami, Khuria	-	R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
312.	<i>Euphorbia thymifolia</i> L.	Achanakmar, Khuria, Marwahi, Parasi	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995
313.	<i>Glochidion multiloculare</i> Muell.-Arg.	Pasarkhet, Siang	Ms	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
314.	<i>Glochidion velutinum</i> Wight	Amarkantak, Kabirchabutra	Ms	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
315.	<i>Glochidion zeylanicum</i> (Gaertn.) A.Juss.	Katghora	M	C / R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
316.	<i>Homonoia riparia</i> Lour.	Lamni	F, M, Ms	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
317.	<i>Jatropha curcas</i> L.	Amarkantak, Marwahi, Pasan	M, O	R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
318.	<i>Jatropha gossypifolia</i> L.	Khuria	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
319.	<i>Mallotus philippensis</i> (Lam.) Muell.-Arg.	Amarkantak, Khudia, Lafa, Lamni, Sarasdol	F, M, T	C / R	Chaubey <i>et al.</i> , 2003; Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
320.	<i>Phyllanthus airyshawii</i> Brunel ex Roux (syn. <i>Phyllanthus debilis</i> Klein ex Willd.)	Amarkantak, Madai, Pasan	M	C / R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
321.	<i>Phyllanthus amarus</i> Schum. & Thonn. (syn. <i>Phyllanthus fraternus</i> Webster)	Amarkantak, Khuria, Karidongri	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
322.	<i>Phyllanthus emblica</i> L. (syn. <i>Emblica officinalis</i> Gaertn.)	Amarkantak, Madai, Pasan,	M	VU	Chaubey <i>et al.</i> , 2003; Murti &

		Sarasdol			Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003
323.	<i>Phyllanthus reticulatus</i> Poir (syn. <i>Kirganelia</i> <i>reticulata</i> (Poir.) Baill.)	Amarkantak, Khondra	M	C	Chaubey <i>et al.</i> , 2003; Saxena, 1970; Tiwari <i>et al.</i> , 1995
324.	<i>Phyllanthus urinaria</i> L.	Amarkantak, Khondra	M	C / R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
325.	<i>Phyllanthus virgatus</i> G.Forster	Achanakmar, Khootghat, Katghora, Marwahi	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
326.	<i>Ricinus communis</i> L.	Amarkantak	M, O	Planted	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
327.	<i>Sebastiania chamaelea</i> (L.) Muell.-Arg.	Katghora, Pasarkhet	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
328.	<i>Securinega virosa</i> (Roxb. ex Willd.) Baill.	Lamni	F, M, Ms	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
329.	<i>Tragia involucrata</i> L.	Khootghat	M	C / R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
Fam: Fabaceae					
330.	<i>Abrus precatorius</i> L.	Amarkantak, Chada, Sarasdol	M, Ms	R, NT	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003; Verma <i>et al.</i> , 1993
331.	<i>Aeschynomene indica</i> L.	Amarkantak	Ms, O	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
332.	<i>Alysicarpus bupleurifolius</i> (L.) DC.	Achanakmar, Amarkantak	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
333.	<i>Alysicarpus hamosus</i> Edgew.	Madai	-	C	Panigrahi & Murti, 1989; Verma <i>et</i> <i>al.</i> , 1993
334.	<i>Alysicarpus monilifer</i> (L.) DC.	Katghora, Khuria	-	C	Panigrahi & Murti, 1989; Tiwari <i>et</i> <i>al.</i> , 1995; Verma <i>et</i> <i>al.</i> , 1993

335.	<i>Alysicarpus scariosus</i> Grah. ex Thwaites	Throughout	Ms	R	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
336.	<i>Alysicarpus vaginalis</i> (L.) DC.	Khondra , Katghora, Lamni	Ms	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
337.	<i>Atylosia scarabaeoides</i> (L.) Benth. ex Baker	Katghora, Khondra, Kudmura	Ms	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
338.	<i>Butea monosperma</i> (Lam.) Taub.	Amarkantak, Katghora, Lormi	Fb, Ms, T	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
339.	<i>Butea parviflora</i> Roxb.	Amarkantak	M, O	C	Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
340.	<i>Butea superba</i> Roxb.	-	-	C	Tiwari <i>et al.</i> , 1995 Verma <i>et al.</i> , 1993
341.	<i>Cajanus cajan</i> (L.) Huth	Amarkantak, Pasan	F, Ms	Cultiv- ated	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
342.	<i>Clitoria ternatea</i> L.	Amarkantak	D, M, Ms, O	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
343.	<i>Crotalaria alata</i> Buch.- Ham. ex D. Don	Achanakmar, Amarkantak	Ms	C	Panigrahi & Murti, 1989; Saxena, 1970;
344.	<i>Crotalaria albida</i> Heyne ex Roth	Amarkantak, Khondra, Pendra,	M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
345.	<i>Crotalaria calycina</i> Schrank	Amarkantak, Lamni	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
346.	<i>Crotalaria humifusa</i> Grah. ex Benth.	Amarkantak	-	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
347.	<i>Crotalaria medicaginea</i> Lam.	Amarkantak, Pasan	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
348.	<i>Crotalaria mysorensis</i> Roth	Keonchi	-	R	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
349.	<i>Crotalaria nana</i> Burm.f. (syn. <i>Crotalaria umbellata</i>)	Amarkantak	-	C	Saxena, 1970

	(Wight) W. & A.)				
350.	<i>Crotalaria prostata</i> Rottb. ex Willd.	Amarkantak, Katghora, Khondra, Lamni, Pasarkhet	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
351.	<i>Crotalaria sericea</i> Retz.	Amarkantak	D, Fb	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
352.	<i>Crotalaria sessiliflora</i> L.	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
353.	<i>Crotalaria spectabilis</i> Roth.	Kabirchabutra, Katghora	Fb	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
354.	<i>Paracalyx scariosus</i> (Roxb.) Ali (syn. <i>Cylista scariosa</i> Ait.)	Amarkantak	-	-	Saxena, 1970; Tiwari <i>et al.</i> , 1995 Verma <i>et al.</i> , 1993
355.	<i>Dalbergia lanceolaria</i> L.f.	Amarkantak, Katghora	-	R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
356.	<i>Dalbergia latifolia</i> Roxb.	Achanakmar	Ms, T	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
357.	<i>Dalbergia paniculata</i> Roxb.	Amarkantak, Khondra, Khuria, Lamni	T	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
358.	<i>Dalbergia sissoo</i> Roxb. ex DC.	Throughout the BR	Ms, T	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
359.	<i>Dalbergia volubilis</i> Roxb.	Khondra	M, Ms	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
360.	<i>Desmodium benthamii</i> Balakr.	Pasarkhet	-	R	Panigrahi & Murti, 1989
361.	<i>Desmodium dichotomum</i> (Willd.) DC.	Khondra	Ms	C	Panigrahi & Murti 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
362.	<i>Desmodium gangeticum</i> (L.) DC.	Amarkantak, Khondra	M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
363.	<i>Desmodium heterocarpon</i> (L.) DC.	Amarkantak, Khondra, Lamni	M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
364.	<i>Desmodium motorium</i> (Houtt.) Merr. (syn. <i>D.</i>	Amarkantak, Lafa	Ms	C	Panigrahi & Murti, 1989; Saxena, 1970;

	<i>gyrans</i> (L.f.) DC.)				Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
365.	<i>Desmodium pulchellum</i> (L.) Benth.	Madai	Ms	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
366.	<i>Desmodium triflorum</i> (L.) DC.	Amarkantak, Khudia, Madai, Sarasdol	M, Ms	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
367.	<i>Desmodium velutinum</i> (Willd.) DC.	Khondra	Ms	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
368.	<i>Dolichos uniflorus</i> Lam.	Khondra	M, Ms	C	Panigrahi & Murti, 1989
369.	<i>Dumasia villosa</i> DC.	Kabirchabutra	-	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
370.	<i>Eleiotis monophylla</i> (Burm.f.) DC.	Pasarkhet	-	R	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
371.	<i>Erythrina suberosa</i> Roxb.	Belghana	-	R	Panigrahi & Murti, 1989
372.	<i>Flemingia macrophylla</i> (Willd.) Kuntze ex Merr.	Lamni	-	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
373.	<i>Flemingia nana</i> Roxb.	Amarkantak, Lamni, Sarasdol	Ms	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
374.	<i>Flemingia semialata</i> Roxb. ex Ait	Amarkantak, Khudia, Lamni, Sarasdol	F, Ms	C	Choubey <i>et al.</i> , 2003; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
375.	<i>Flemingia strobilifera</i> (L.) R.Br. (syn. <i>Flemingia bracteata</i> (Roxb.) Wt.)	Amarkantak, Aurapani, Lamni, Madai, Semra	M, Ms	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
376.	<i>Indigofera astragalina</i> DC.	Pendra, Madai	-	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
377.	<i>Indigofera cassioides</i> Rottl. ex DC. (syn. <i>I. pulchella</i> auct. non Roxb.)	Amarkantak, Kabirchabutra, Katghora	M	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995

378.	<i>Indigofera glabra</i> L.	Pasan	M	C	Panigrahi & Murti, 1989
379.	<i>Indigofera linifolia</i> (L.f.) Retz.	Katghora, Palmi	M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
380.	<i>Indigofera linifolia</i> (L.f.) Retz. ssp. <i>campbellii</i> (Wt.) Panigr. Et S.K. Murti	Throughout the BR	M	R	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
381.	<i>Indigofera linnaei</i> Ali	Katghora	-	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
382.	<i>Indigofera tinctoria</i> L.	Amarkantak, Khondra, Khuria, Lamni	M	C	Jamaluddin <i>et al.</i> , 1993; Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
383.	<i>Indigofera trifoliata</i> L. (Sw.)	Amarkantak	M	C	Saxena, 1970
384.	<i>Lablab purpureus</i> (L.) Sw.	Pasan	-	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
385.	<i>Lathyrus sativus</i> L.	Lormi	M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
386.	<i>Melilotus alba</i> Desr.	Amarkantak	Ms	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
387.	<i>Melilotus indica</i> (L.) All.	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
388.	<i>Milletia extensa</i> (Benth.) Baker (syn. <i>Milletia auriculata</i> Baker ex Brand.)	Amarkantak Keonchi, Lamni	Ms	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
389.	<i>Milletia pinnata</i> (L.) Panigr.	Katghora	-	C	Panigrahi & Murti, 1989
390.	<i>Mucuna pruriens</i> (L.) DC.	Amarkantak, Khondra	F, M	C, NT	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003; Verma <i>et al.</i> , 1993
391.	<i>Ougeinia oojeinensis</i> (Roxb.) Hochr.	Amarkantak, Chada, Pali, Neur, Lamni, Sarasdol	T, Ms	C / R	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
392.	<i>Phaseolus aureus</i> Roxb.	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
393.	<i>Pongamia pinnata</i> (L.) Pierre	-	M, T	-	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993

394.	<i>Psoralea corylifolia</i> L.	Pandaria	M	R	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
395.	<i>Pterocarpus marsupium</i> Roxb.	Amarkantak, Khondra, Khuria, Lamni, Pasan	M, Ms, T	VU	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003; Verma <i>et al.</i> , 1993
396.	<i>Pueraria tuberosa</i> (Roxb. ex Willd.) DC.	Amarkantak, Pasarkhet	F, M, Ms	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
397.	<i>Rhynchosia minima</i> (L.) DC.	Throughout the BR	F, M	C	Panigrahi & Murti, 1989;
398.	<i>Sesbania sesban</i> L. (syn. <i>Sesbania aegyptiaca</i> Poir.)	Amarkantak, Semra	Fb, Ms	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
399.	<i>Sesbania bispinosa</i> (Jacq.) W.f. Wight	Amarkantak, Pasan	Fb, Ms	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
400.	<i>Shuteria involucrata</i> (Wall.) W. & A. var. <i>glabrata</i> (W. & A.) Ohashi	Chauradadar, Kabirchabutra, Khuria	Ms	R	Panigrahi & Murti, 1989
401.	<i>Smithia conferta</i> J.E. Smith	Amarkantak, Khondra	F, M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
402.	<i>Smithia sesitiva</i> Ait.	Pali, Katghora	-	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
403.	<i>Sophora glauca</i> Lesch. ex DC.	Katghora	D, M	R	Panigrahi & Murti, 1989
404.	<i>Tephrosia purpurea</i> (L.) Pers.	Pasarkhet	M, O	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
405.	<i>Tephrosia villosa</i> (L.) Pers.	Kota	-	R	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
406.	<i>Teramnus labialis</i> (L. f.) Spreng.	Amarkantak, Korbi	F, M, Ms	C	Saxena, 1970
407.	<i>Trigonella foenum-graceum</i> L.	Kabirchabutra	F, M, O	C	Panigrahi & Murti, 1989
408.	<i>Uria alopecuroides</i> (Roxb.) Wight	Korbi	M,	C	Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
409.	<i>Uria lagopus</i> DC.	Pasarkhet, Phulwaria	M	R	Panigrahi & Murti, 1989

410.	<i>U. lagopodioides</i> (L.) Desv.)	Korbi	-	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
411.	<i>Uraia picta</i> (Jæq.) Desv.	Chada, Madai, Pasarkhet	M	VU	Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003; Verma <i>et al.</i> , 1993
412.	<i>Uraia rufescens</i> (DC.) Schindl.	Lamni	M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
413.	<i>Vicia sativa</i> L.	Khami, Padaria	M, Ms	Planted	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
414.	<i>Vigna radiata</i> (L.) Wilczek (syn. <i>Phaseolus radiatus</i> L.)	Amarkantak	M, Ms	C	Panigrahi & Murti, 1989; Saxena, 1970; Verma <i>et al.</i> , 1993
415.	<i>Vigna trilobata</i> (L.) Verdourt.	Padaria, Khuria	M, Ms	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
416.	<i>Vigna umbellata</i> (Thunb.) Ohwi & Ohashi	Pasan	F	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
417.	<i>Vigna vexillata</i> (L.) A. Rich.	Amarkantak	F	R	Saxena, 1970
418.	<i>Zornia gibbosa</i> Spanoghe (syn. <i>Zornia diphylla</i> auct. non (L.) Pers.)	Amarkantak, Madai, Amadob, Lamni	M, Ms	C	Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Flacourtiaceae					
419.	<i>Casearia elliptica</i> Willd.	Amarkantak, Lamni	Ms	C	Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Verma <i>et al.</i> , 1993
420.	<i>Casearia graveolens</i> Dalz.	Amarkantak, Khudia, Lamni, Sarasdol	Ms	C	Saxena, 1970; Panigrahi & Murti, 1989, Chaubey <i>et al.</i> , 2003; Verma <i>et al.</i> , 1993
421.	<i>Flacourtia indica</i> (Burm.f.) Merr.	Khuria, Karidongri	F, M, O, Ms	C	Saxena, 1970; Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
Fam: Gentianaceae					
422.	<i>Canscora decurrens</i> Dalz.	Amarkantak	M	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995

423.	<i>Canscora decussata</i> (Roxb.) J. A. & J. H. Schult.	Amarkantak, Lamni, Madai	M	C / R	Saxena, 1970; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
424.	<i>Canscora diffusa</i> (Vahl) R. Br.	Achanakmar, Amarkantak, Lamni	M	C	Saxena, 1970; Panigrahi & Murti, 1989; Prasad & Pandey, 1993; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
425.	<i>Enicostema axillare</i> (Lam.) Raynal	Throughout	M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
426.	<i>Exacum carinatum</i> Roxb. (syn. <i>Exacum petiolare</i> Griseb.)	Achanakmar	M	R	Saxena, 1970; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
427.	<i>Exacum pedunculatum</i> L.	Amarkantak	M	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
428.	<i>Exacum tetragonum</i> Roxb.	Amarkantak	M	C	Saxena, 1970; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
429.	<i>Hoppea dichotoma</i> Willd.	Achanakmar, Amarkantak, Katghora, Kudmura, Lamni	M	C / R	Saxena, 1970; Panigrahi & Murti, 1989; Prasad & Pandey, 1993; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
430.	<i>Swertia angustifolia</i> Buch.-Ham. ex D. Don var. <i>angustifolia</i>	Amarkantak, Kabirchabutra,	M	C / R	Saxena, 1970; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Geraniaceae					
431.	<i>Geranium mascatense</i> Boiss. (syn. <i>Geranium ocellatum</i> Camb.)	Chauradadar, Kabirchabutra	M	C / R	Saxena, 1970; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
Fam: Gesneriaceae					
432.	<i>Rhynchoglossum obliquum</i> Bl. (syn. <i>Rhynchoglossum obliquum</i> Bl. var. <i>parviflora</i> C.B.Cl.)	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Mudgal, <i>et al.</i> , 1997
Fam: Haloragaceae					
433.	<i>Myriophyllum oliganthum</i> (W. & A.) F. Muell. (syn. <i>M. intermedium</i> auct. non DC.)	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995

Fam: Hypericaceae					
434.	<i>Hypericum laxum</i> (Bl.) Koidzumi (syn. <i>Hypericum japonicum</i> Thunb. ex Murr.)	Amarkantak, Kabirchabutra	M	C	Saxena, 1970; Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
Fam: Lamiaceae					
435.	<i>Acrocephalus hispidus</i> (L.) Nicolson & Sivadasan (syn. <i>Acrocephalus indicus</i> (Burm.f.) Kuntz.)	Achanakmar, Amarkantak	M	C / R	Mudgal, <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
436.	<i>Anisochilus camosus</i> (L.f.) Wall ex Benth.	Amarkantak, L afa, Pasan, Katghora	-	C / R	Mudgal, <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
437.	<i>Anisomeles indica</i> (L.) Kuntze	Amarkantak,	M	C	Mudgal, <i>et al.</i> , 1997; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995
438.	<i>Clinopodium umbrosum</i> (Bieb.) Koch (syn. <i>Calamintha umbrosa</i> (Bieb.) Fisch. & Mey)	Amarkantak	O	R	Khanna, <i>et al.</i> , 2001; Saxena, 1970; Tiwari <i>et al.</i> , 1995
439.	<i>Colebrookea oppositifolia</i> Sm.	Amarkantak, Kabirchabutra , Keonchi	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
440.	<i>Coleus barbatus</i> (Andr.) Benth.	Amarkantak	F	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Mudgal, <i>et al.</i> , 1997
441.	<i>Coleus scutellarioides</i> (L.) Benth.	-	M	Cultivated	Murti & Panigrahi, 1999
442.	<i>Hyptis suaveolens</i> (L.) Poit.	Katghora, Khuria	F, M, O	C	Mudgal, <i>et al.</i> , 1997; Murti & Panigrahi, 1999
443.	<i>Lavandula bipinnata</i> (Roth) O. Ktze. var. <i>rothiana</i> O. Ktze.	Amarkantak	O	C	Mudgal <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995
444.	<i>Leonotis nepetaefolia</i> (L.) R.Br.	Keonchi, Kurdur	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995
445.	<i>Leucas aspera</i> (Willd.) Link (syn. <i>Leucas plukenetii</i> (Roth) Spr.)	Karidongri, Katghora, Pasan	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995
446.	<i>Leucas cephalotes</i> (Roth) Spreng.	Katghora, Pasan	M, O	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999

447.	<i>Leucas mollissima</i> Wall. ex Benth.	Achanakmar, Amarkantak, Kabirchabutra, Katghora	M	C	Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
448.	<i>Micromeria biflora</i> (Buch.- Ham. ex D. Don) Benth.	Amarkantak, Kabirchabutra	M, O	R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970
449.	<i>Micromeria capitellata</i> Benth.	Amarkantak,	M, O	C	Mudgal <i>et al.</i> , 1997; Tiwari <i>et al.</i> , 1995
450.	<i>Nepeta hindostana</i> (Heyne ex Roth) Haines	Amarkantak, Kabirchabutra	M, O	C	Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
451.	<i>Ocimum basilicum</i> L.	Katghora, Marwahi	M, O	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995;
452.	<i>Ocimum canum</i> Sims	Amarkantak, Karidongri	M, O	C	Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
453.	<i>Ocimum tenuiflorum</i> L. (syn. <i>O. sanctum</i> L.)	Amarkantak,	M, O	C	Mudgal <i>et al.</i> , 1997; Tiwari <i>et al.</i> , 1995
454.	<i>Orthosiphon pallidus</i> Royle ex Benth.	-	-	C	Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995
455.	<i>Orthosiphon rubicundus</i> Benth.	Amarkantak, Lamni, Marwahi, Pasan	F, O	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
456.	<i>Plectranthus mollis</i> (Ait.) Spreng.	Amarkantak, Kabirchabutra	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
457.	<i>Pogostemon benghalense</i> (Burm.f.) Kuntze.	Amarkantak, Kabirchabutra, Keonchi	Ms, O	C / R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
458.	<i>Pogostemon cruciata</i> (Benth.) Kuntze (syn. <i>Dysophylla cruciata</i> Benth.)	Amarkantak	-	C	Saxena, 1970
459.	<i>Pogostemon stellatus</i> (Lour.) Kuntze	Keonchi, Khondra, Pendra	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
460.	<i>Salvia officinalis</i> L.	Throughout	M, O	Planted	Tiwari <i>et al.</i> , 1995
461.	<i>Salvia plebeia</i> R.Br.	Karidongri	M, Ms	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995

Fam: Lauraceae					
462.	<i>Litsea glutinosa</i> (Lour.) C.R.Robins. (syn. <i>Litsea sebifera</i> Pers.)	Amarkantak, Pali	M,Ms, T	VU	Chaubey <i>et al.</i> , 2003; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003
463.	<i>Litsea monopetala</i> (Roxb.) Pers.	Amarkantak, Pali	M, Ms	R	Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Lecythydaceae					
464.	<i>Careya arborea</i> Roxb.	Amarkantak, Katghora, Khudia, Lamni, Pali	T	R	Chaubey, <i>et al.</i> , 2003; Panigrahi & Murti,1989; Saxena, 1970; Verma <i>et al.</i> , 1993
Fam: Leeaceae					
465.	<i>Leea alata</i> Edgew.	Lamni	Ms	R	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
466.	<i>Leea asiatica</i> (L.) Ridsdale (syn. <i>Leea edgeworthii</i> Sant; <i>Leea crispa</i> L.)	Amarkantak, Khondra, Lamni, Pasan	F, M	C	Panigrahi & Murti, 1989; Saxena, 1970; Verma <i>et al.</i> , 1993
467.	<i>Leea indica</i> (Burm.f.) Merr.	Achanakmar, Khondra	F	R	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
Fam: Lentibulariaceae					
468.	<i>Utricularia aurea</i> Lour.	Throughout the BR	Ms	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995
469.	<i>Utricularia bifida</i> L.	Amarkantak, Katghora, Keonchi	M	C	Mudgal, <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995
470.	<i>Utricularia graminifolia</i> (Vahl) Bhattacharya	Amarkantak	M	R	Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
471.	<i>Utricularia caenulea</i> L.	Amarkantak	-	C / R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
472.	<i>Utricularia exoleta</i> R.Br.	Katghora Keonchi, Pali	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995
473.	<i>Utricularia striatula</i> Sm.	Amarkantak	-	C	Saxena, 1970

Fam: Linaceae					
474.	<i>Linum usitatissimum</i> L.	Amarkantak, Neur	O	C	Saxena, 1970; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
475.	<i>Reinwardtia indica</i> Dumort	Amarkantak Kabirchabutra, Lamni	M	C	Saxena, 1970; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Loranthaceae					
476.	<i>Dendrophthoe falcata</i> (L.f.) Etting. (syn. <i>Loranthus falcatus</i> (L.f.))	Achanakmar, Amarkantak, Kabirchabutra, Pali, Pasarkhet	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
477.	<i>Loranthus cordifolius</i> Wallich. (syn. <i>Scurrula cordifolia</i> (Wall) G.Don)	Kabirchabutra	M	C	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
478.	<i>Loranthus parasiticus</i> (L.) Merr. (syn. <i>Scurrula parasiticus</i> L.)	Kabirchabutra, Keonchi	M	C	Murti & Panigrahi 1999
479.	<i>Viscum articulatum</i> Burm.f.	Katghora, Kota , Pali, Pasan	-	C	Mudgal <i>et al.</i> , 1997; Tiwari <i>et al.</i> , 1995
Fam: Lythraceae					
480.	<i>Ammannia baccifera</i> L.	Achanakmar, Amarkantak, Pasan, Pendra	M	C	Saxena, 1970; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
481.	<i>Ammannia multiflora</i> Roxb.	-	M	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
482.	<i>Lagerstroemia parviflora</i> Roxb.	Amarantak, Katghora, Khudia, Lamni, Marwahi, Pasarkhet, Sarasdol	Fb, T	C	Chaubey, <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Saxena, 1970
483.	<i>Lawsonia inermis</i> L.	Marwahi	D, M, O	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
484.	<i>Rotala indica</i> (Willd.) Koehne	Katghora	-	C	Panigrahi & Murti, 1989
485.	<i>Rotala mexicana</i> Cham. & Schltr.	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
486.	<i>Rotala rosea</i> (Poir.) C.D.K.Cook	Katghora, Kudmura, Lamni, Pasan	-	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993

487.	<i>Rotala rotundifolia</i> (Roxb.) Koehne	Amarkantak, Kabirchabutra	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
488.	<i>Rotala serpyllifolia</i> (Roth) Bremek. (syn. <i>Ammannia tenuis</i> C.B.Cl.)	Amarkantak, Khondra	-	C	Saxena, 1970, Tiwari <i>et al.</i> , 1995 Verma <i>et al.</i> , 1993; Panigrahi & Murti, 1989
489.	<i>Woodfordia fruticosa</i> (L.) Kurz	Achanakmar, Amarkantak, Amadoh	D, F, M	C	Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Malvaceae					
490.	<i>Abelmoschus crinitus</i> Wall	Amarkantak	F, Fb, M	C	Saxena, 1970; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
491.	<i>Abelmoschus esculentus</i> (L.) Moench.		F, M, O	Cultivated	Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
492.	<i>Abelmoschus ficulneus</i> (L.) W. & A.	Kondra	F, Fb, M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma, <i>et al.</i> , 1993
493.	<i>Abelmoschus manihot</i> (L.) Medik ssp <i>Tetraphyllus</i> (Roxb. Ex Hornem.) Borss. Var. <i>pungens</i> (Roxb.) Hochr.	Amarkantak	O	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
494.	<i>Abelmoschus moschatus</i> Medic.	Lamni	Fb, O	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
495.	<i>Abutilon persicum</i> (Burm.f.) Merr. (syn. <i>Abutilon polyandrum</i> (Roxb.) W. & A.)	Amarkantak, Khondra	Fb	R	Panigrahi & Murti, 1989; Saxena, 1970; Verma <i>et al.</i> , 1993
496.	<i>Althaea ludwigii</i> L.	Khami, Padaria	-	R	Panigrahi & Murti 1989; Verma <i>et al.</i> , 1993
497.	<i>Gossypium arboreum</i> L.	Amarkantak	Fb	Planted	Saxena, 1970; Tiwari <i>et al.</i> , 1995
498.	<i>Hibiscus lobatus</i> (J.A. Murray) O. Ktze.	Amarkantak, Kabirchabutra	F, Fb, O	C / R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
499.	<i>Hibiscus panduriformis</i> Burm.f.	Khami, Padaria	Fb	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
500.	<i>Hibiscus rosa sinensis</i> L.	Amarkantak	D, M	Planted	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> ,

					1995
501.	<i>Hibiscus sabdariffa</i> L. ssp. <i>cannabis</i> (L.) Panigr.	Katghora, Pasan	Fb	Cultivated	Panigrahi & Murti, 1989
502.	<i>Hibiscus sabdariffa</i> L. ssp. <i>sabdariffa</i> L.	Katghora, Padaria	Fb, M	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
503.	<i>Hibiscus syriacus</i> L.	Amarkantak,	Fb	Planted	Saxena, 1970; Tiwari <i>et al.</i> , 1995
504.	<i>Kydia calycina</i> Roxb.	Achanakmar, Amarkantak, Khondra, Khudia, Lamni, Sarasdol	M, Ms, T,	C / R	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
505.	<i>Malvestrum coromandelianum</i> (L.) Garcke	Khondra	M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
506.	<i>Sida acuta</i> Burm.f.	Amarkantak, Khudia, Lamni, Sarasdol	Fb, M, O	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Saxena, 1970; Verma <i>et al.</i> , 1993
507.	<i>Sida alba</i> L. (syn. <i>S. spinosa</i> L.)	Amarkantak	M	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
508.	<i>Sida cordata</i> (Burm.f.) Borss. (syn. <i>Sida veronicaefolia</i> Lam.)	Kabirchabutra, Khondra	Fb, F, M	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993; Saxena, 1970;
509.	<i>Sida cordifolia</i> DC.	Achanakmar, Amarkantak, Lamni	Fb, F, M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
510.	<i>Sida rhombifolia</i> L.	Achanakmar, Khudia, Lamni, Sarasdol	Fb, M	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
511.	<i>Thespesia lampas</i> Dalz. & Gibs.	Amarkantak	Fb, D, M, Ms	C	Panigrahi & Murti, 1989; Saxena, 1970; Verma <i>et al.</i> , 1993
512.	<i>Urena lobata</i> L. ssp. <i>lobata</i> var. <i>lobata</i>	Achanakmar, Amarkantak, Lamni,	Fb, M	C	Prasad & Pandey, 1993; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
513.	<i>Urena repanda</i> Roxb. ex Sm.	Amarkantak	Fb	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995

Fam: Melastomaceae					
514.	<i>Melastoma malabathricum</i> L.	Pasarkhet	D	C	Panigrahi & Murti,1989; Verma <i>et al.</i> , 1993
515.	<i>Osbeckia chinensis</i> L.	Amarkantak, Kabirchabutra, Lamni	M	C	Panigrahi & Murti, 1989; Saxena, 1970; Verma <i>et al.</i> , 1993
516.	<i>Sonerila tenera</i> Royle	Amarkantak, Madai	M	C / R	Panigrahi & Murti, 1989; Saxena, 1970; Verma <i>et al.</i> , 1993
Fam: Meliaceae					
517.	<i>Azadirachta indica</i> A. Juss.	Achanakmar, Lamni	M	R	Choubey, <i>et al.</i> , 2003; Panigrahi & Murti,1989; Prasad & Pandey, 1993; Tiwari <i>et al.</i> , 1995 Verma <i>et al.</i> , 1993
518.	<i>Melia azedarach</i> L.	Amarkantak, Katghora	M, O	R	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993 ; Saxena, 1970; Tiwari <i>et al.</i> , 1995
519.	<i>Soymida febrifuga</i> (Roxb.) A.Juss.	Achanakmar, Sarasdol	Fb, M, T	C	Choubey <i>et al.</i> , 2003; Panigrahi & Murti,1989; Verma <i>et al.</i> , 1993
520.	<i>Toona ciliata</i> Roem.	Amarkantak	D, M, T	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Menispermaceae					
521.	<i>Cissampelos pariera</i> L.	Amarkantak, Khodra	M	C	Panigrahi & Murti,1989; Saxena,1970; Tiwari <i>et al.</i> ,1995; Verma <i>et al.</i> , 1993
522.	<i>Coculus hirsutus</i> (L.) Diels.	Khuria	M	C	Panigrahi & Murti,1989; Tiwari <i>et al.</i> ,1995; Verma <i>et al.</i> , 1993
Fam: Menyanthaceae					
523.	<i>Nymphoides hydrophyllum</i> (Lour.) Kuntze (syn. <i>Nymphoides cristata</i> (Roxb.) O.Ktze.)	Amarkantak, Khuria, Lafa	-	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970;Tiwari <i>et al.</i> , 1995
524.	<i>Nymphoides indica</i> (L.) Kuntze.	Katghora, Pali	-	C	Mudgal, <i>et al.</i> , 1997; Panigrahi & Murti,1989; Tiwari <i>et al.</i> , 1995

Fam: Mimosaceae					
525.	<i>Acacia auriculiformis</i> A.Cunn.ex Benth.	Amarkantak	Ms, O	Planted	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
526.	<i>Acacia catechu</i> (L.) Willd.	Achanakmar, Khondra, Khuria, Lamni	Fb, Ms	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
527.	<i>Acacia leucophloea</i> (Roxb.) Willd.	Khuria	Ms, T	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
528.	<i>Acacia nilotica</i> (L.) Willd. ex Del. ssp. <i>indica</i> (Benth.) Brenan	Marwahi	M, T	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
529.	<i>Acacia torta</i> (Roxb.) Craib.	Amarkantak	-	C / R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
530.	<i>Albizia amara</i> Boiv.	Amarkantak	Ms, T	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
531.	<i>Albizia lebbek</i> (L.) Benth.	Throughout the BR	M, T	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
532.	<i>Albizia odoratissima</i> (L.f.) Benth.	Amarkantak, Khondra, Khudia, Sonmuda	Ms, T	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
533.	<i>Albizia procera</i> Benth.	Amarkantak, Kota, Lamni, Lormi, Marwahi	Ms, T	C / R	Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
534.	<i>Mimosa pudica</i> L.	Amarkantak	M, Ms, O	Planted	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
535.	<i>Mimosa rubicaulis</i> Lam. ssp. <i>himalayana</i> (Gamble) Ohashi	Khondra, Pali	Ms	C	Panigrahi & Murti, 1989
Fam: Molluginaceae					
536.	<i>Glinus lotoides</i> L.	Lamni, Keonchi, Pasan	F / M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
537.	<i>Glinus oppositifolius</i> (L.) A DC.	Lamni, Pali	M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
538.	<i>Mollugo pentaphylla</i> L.	Amarkantak,	M	C	Panigrahi & Murti,

		Marwahi, Pasan, Pasarkhet			1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Moraceae					
539.	<i>Artocarpus heterophyllus</i> Lam.	Belgahana	F	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995
540.	<i>Ficus arnottiana</i> Miq.	Amarkantak, Kabirchabutra	M, Ms	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
541.	<i>Ficus benghalensis</i> L.	Achanakmar, Amarkantak, Lamni, Pasarkhet	F, M, Ms	C / R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Prasad & Pandey, 1993; Saxena, 1970; Tiwari <i>et al.</i> , 1995
542.	<i>Ficus benjamina</i> L. ssp. <i>comosa</i> (Roxb.) Murti & Panigr.	Siang	M, Ms	R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
543.	<i>Ficus carica</i> L.	Amarkantak	F, M	Planted	Saxena, 1970; Tiwari <i>et al.</i> , 1995
544.	<i>Ficus hispida</i> L.f.	Amarkantak, Chauradadar, Kabirchabutra	F, M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970
545.	<i>Ficus microcarpa</i> L.	Amarkantak, Kabirchabutra	M, Ms	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
546.	<i>Ficus mollis</i> Vahl	Khootghat	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
547.	<i>Ficus racemosa</i> L.	Achanakmar, Amarkantak, Lamni, Pali, Pasan	F, M, Ms	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
548.	<i>Ficus religiosa</i> L.	Amarkantak	F, M, Ms	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
549.	<i>Ficus rumphii</i> Bl.	Amarkantak	-	R	Mudgal <i>et al.</i> , 1997; Tiwari <i>et al.</i> , 1995
550.	<i>Ficus semicordata</i> Buch.- Ham. ex J.E.Smith (syn. <i>Ficus cunia</i> Buch.-Ham. ex Roxb.)	Amarkantak, Kabirchabutra, Lamni, Sarasdol	M	C / R	Chaubey <i>et al.</i> , 2003; Prasad & Pandey, 1987; Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995

551.	<i>Ficus tinctoria</i> Forst. f. ssp. <i>parasitica</i> (Koenig ex Willd.) Corner	Lainga, Pendra, Katghora	-	C	Chaubey <i>et al.</i> , 2003; Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
552.	<i>Ficus virens</i> Ait. (syn. <i>Ficus infectoria</i> Roxb.; <i>Ficus tsjakela</i> (Burm.f.))	Amarkantak	-	C	Mudgal <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995
553.	<i>Monus australis</i> Poir.	Amarkantak	F, Ms	Planted	Mudgal <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Casuarinaceae					
554.	<i>Casuarina equisetifolia</i> L.	Amarkantak	T	Planted	Tiwari <i>et al.</i> , 1995
Fam: Moringaceae					
555.	<i>Moringa concanensis</i> Nimmo	Neur	F, M, O	C	Panigrahi & Murti, 1989
556.	<i>Moringa oleifera</i> Lam.	Pasan	F, M	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Mudgal <i>et al.</i> , 1997;
Fam: Myrsinaceae					
557.	<i>Ardisia solanacea</i> Roxb.	Amarkantak, Kabirchabutra, Lamni	D, F, M,	R	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
558.	<i>Embelia basaal</i> (Roem. & Schult.) A.DC. (syn. <i>Embelia robusta</i> auct. non Roxb. <i>Embelia tsjeriam cottam</i> auct.non (R. & S.) A. DC.)	Achanakmar, Amarkantak, Amadoh, Kabirchabutra, Lamni	M	R, NT	Chaubey <i>et al.</i> , 2003; Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003
Fam: Myrtaceae					
559.	<i>Callistemon lanceolatus</i> DC.	Amarkantak	O	Planted	Tiwari <i>et al.</i> , 1995; Mudgal <i>et al.</i> , 1997
560.	<i>Eucalyptus camaldulensis</i> Dehn.	Amarkantak,	Ms, O	Planted	Tiwari <i>et al.</i> , 1995
561.	<i>Eucalyptus citriodora</i> Hook.	Amarkantak	Ms, O	Planted	Tiwari <i>et al.</i> , 1995
562.	<i>Eucalyptus</i> spp.	Amarkantak	Ms, O	Planted	Tiwari <i>et al.</i> , 1995
563.	<i>Eucalyptus tereticornis</i> Sm.	Pali	Ms, O	Planted	Panigrahi & Murti, 1989
564.	<i>Psidium guajava</i> L.	Amarkantak	F, M, O	Planted	Panigrahi & Murti, 1989; Saxena, 1970; Verma <i>et al.</i> , 1993
565.	<i>Syzygium cuminii</i> (L.) Skeels	Amadob, Amarkantak, Khudia, Lamni, Madai, Pali, Sarasdol	F, M, T	C	Chaubey <i>et al.</i> , 2003; Prasad & Pandey, 1987; Panigrahi & Murti, 1989, Saxena, 1970

566.	<i>Syzygium jambos</i> (L.) Alston	Amarkantak, Lamni, Madai, Pali	F, O	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Saxena, 1970; Verma <i>et al.</i> , 1993
567.	<i>Syzygium nervosum</i> DC.	Pali, Pasarkhet	-	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
Fam: Nelumbonaceae					
568.	<i>Nelumbo nucifera</i> J.Gaertn.	Pali	F, M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
Fam: Nyctaginaceae					
569.	<i>Boerhavia diffusa</i> L.	Amarkantak, Khuria, Pasan	-	C	Mudgal <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995
570.	<i>Boerhavia repens</i> L.	Kota, Khuria Pasan	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999;
571.	<i>Bougainvillea glabra</i> Choisy	Amarkantak	-	Planted	Tiwari <i>et al.</i> , 1995
572.	<i>Bougainvillea spectabilis</i> Willd.	Amarkantak	Ms	Planted	Tiwari <i>et al.</i> , 1995
573.	<i>Mirabilis jalapa</i> L.	Amarkantak, Kabirchabutra	F, M, Ms	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Nymphaeaceae					
574.	<i>Nymphaea pubescens</i> Willd.	Katghora, Lafa	F, M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
Fam: Ochnaceae					
575.	<i>Ochna obtusata</i> DC.	Katghora	-	R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
576.	<i>Ochna obtusata</i> DC. var. <i>pumila</i> (Buch.- Ham. ex DC.) Kanis	Marwahi, Pasan	-	R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Olacaceae					
577.	<i>Olax scandens</i> Roxb.	Achanakmar, Lormi, Katghora, Khondra	F, M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
Fam: Oleaceae					
578.	<i>Jasminum aborescens</i> Roxb.	Amarkantak, Pali	M	R	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995

579.	<i>Jasminum auriculatum</i> Vahl	Lamni	M, O	C	Mudgal et al., 1997; Panigrahi & Murti, 1989
580.	<i>Jasminum brevipetiolatum</i> Duthie ex Brandis	Amarkantak	M, O	R	Saxena, 1970; Tiwari et al., 1995
581.	<i>Jasminum grandiflorum</i> L.	Amarkantak	M, Ms, O	Planted	Saxena, 1970; Tiwari et al., 1995
582.	<i>Jasminum multiflorum</i> (Burm.f.) Andr.	Amarkantak	O	Planted	Mudgal et al., 1997; Tiwari et al., 1995
583.	<i>Jasminum officianale</i> L.	Amarkantak	Ms, O	Planted	Saxena, 1970; Tiwari et al., 1995
584.	<i>Jasminum sambac</i> (L.) Ait.	Amarkantak	F, M, O	Planted	Saxena, 1970; Tiwari et al., 1995
585.	<i>Nyctanthes arbor-tristis</i> L.	Achanakmar, Amarkantak, Lafa, Lamni	M, Ms,T	C	Chaubey et al., 2003; Mudgal et al., 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari et al., 1995
586.	<i>Schrebera swietenioides</i> Roxb.	Lamni, Sarasdol	M, Ms,T	C	Chaubey et al., 2003; Mudgal et al., 1997
Fam: Onagraceae					
587.	<i>Ludwigia adscendens</i> (L.)Hara	Ratanpur	-	C	Panigrahi & Murti, 1989; Verma et al., 1993
588.	<i>Ludwigia octovalvis</i> (Jacq.) Raven	Amarkantak, Kudmura, Khondra, Katghora	-	C	Panigrahi & Murti, 1989; Tiwari et al., 1995; Verma et al., 1993
589.	<i>Ludwigia octovalvis</i> (Jacq.) Raven ssp. <i>octovalvis</i>	Kudmura, Khondra	-	C	Panigrahi & Murti, 1989; Tiwari et al., 1995; Verma et al., 1993
590.	<i>Ludwigia octovalvis</i> (Jacq.) Raven ssp. <i>sessiliflora</i> (Mich.) Raven	Pasan, Khootghat	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari et al., 1995
591.	<i>Ludwigia perennis</i> L.	Amarkantak	M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari et al., 1995; Verma et al., 1993
592.	<i>Ludwigia prostrata</i> Roxb.	Achanakmar, Lamni	M	C	Panigrahi & Murti, 1989; Tiwari et al., 1995

Fam: Orobranchaceae					
593.	<i>Aeginetia indica</i> L.	Amarkantak	M	C / R	Mudgal et al., 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari et al., 1995
Fam: Oxalidaceae					
594.	<i>Biophytum petersianum</i> Klotz.	Pasankhet	M	R	Panigrahi & Murti, 1989; Tiwari et al., 1995; Verma et al., 1993
595.	<i>Biophytum reinwardtii</i> (Zucc.) Klotz.	Amarkantak, Lamni	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari et al., 1995; Verma et al., 1993
596.	<i>Biophytum sensitivum</i> (L.) DC.	Lamni	M	C	Panigrahi & Murti, 1989; Tiwari et al., 1995; Verma et al., 1993
597.	<i>Oxalis comiculata</i> L.	Achanakmar, Amarkantak, Chada, Keonchi	M, F	C	Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari et al., 1995; Verma et al., 1993
598.	<i>Oxalis richardiana</i> Babu, (syn. <i>O. latifolia</i> HBK)	Keonchi	F	C	Tiwari et al., 1995
Fam: Papeveraceae					
599.	<i>Argemone mexicana</i> L.	Amarkantak, Keonchi, Lamni	O, M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari et al., 1995; Verma et al., 1993
600.	<i>Argemone ochroleuca</i> Sweet	Aurapani	-	R	Panigrahi & Murti, 1989; Verma et al., 1993
Fam: Passifloraceae					
601.	<i>Passiflora foetida</i> L.	Lamni, Karidongri	F, M	C	Tiwari et al., 1995
Fam: Pedaliaceae					
602.	<i>Martynia annua</i> L.	Achanakmar, Amarkantak	F, M, O	C/R	Mudgal et al., 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari et al., 1995
603.	<i>Sesamum indicum</i> L. (syn. <i>Sesamum orientale</i> L.)	Amarkantak, Korbi, Madai	F, M, O	Cultivated	Mudgal, et al., 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari et al., 1995
Fam: Piperaceae					
604.	<i>Piper longum</i> L.	-	M	VU	Tiwari et al., 1995; Ved et al., 2003

Fam: Plantaginaceae					
605.	<i>Plantago exigua</i> Juss. et Murr.	Kabirchabutra	M	R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
Fam: Plumbaginaceae					
606.	<i>Plumbago zeylanica</i> L.	Amarkantak, Lamni	M	VU	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003; Verma <i>et al.</i> , 1993
Fam: Polygalaceae					
607.	<i>Polygala arvensis</i> Willd.	Khuria, Pali	-	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> 1993
608.	<i>Polygala crotalarioides</i> Buch.-Ham. ex DC.	Pasan	M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
609.	<i>Polygala furcata</i> Royle	Amarkantak	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
610.	<i>Polygala longifolia</i> Poir.	Lamni	M	C	Panigrahi & Murti, 1989; Saxena, 1970; Verma <i>et al.</i> , 1993
611.	<i>Polygala persicariaefolia</i> DC.	Amarkantak	M	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Polygonaceae					
612.	<i>Polygonum barbatum</i> L. (syn. <i>Polygonum</i> <i>stagninum</i> Buch.- Ham. var. <i>stagninum</i>)	Achanakmar, Amarkantak, Kabirchabutra , Khuria, Lamni	Ms, M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
613.	<i>Polygonum glabrum</i> Willd.	Katghora, Pali	F, M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
614.	<i>Polygonum hydropiper</i> L. ssp. <i>microcarpum</i> Danser	Kabirchabutra	F, M, Ms	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
615.	<i>Polygonum lapathifolium</i> L. var. <i>lanatum</i> (Roxb.) Steward (syn. <i>Polygonum</i> <i>lanigerum</i> auct. non R.Br.)	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
616.	<i>Polygonum pedunculare</i> Wall	Amarkantak	Ms	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
617.	<i>Polygonum plebeium</i> R.Br.	Amarkantak	F, M	C	Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
618.	<i>Polygonum rotleri</i> Roth	Amarkantak	-	C	Saxena, 1970;

619.	<i>Polygonum sernulatum</i> Lagasc.	Amarkantak	-	C	Tiwari <i>et al.</i> , 1995 Saxena, 1970; Tiwari <i>et al.</i> , 1995
620.	<i>Polygonum strigosum</i> R. Br.	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
621.	<i>Rumex dentatus</i> L. subsp. <i>klotzschianus</i> (Meisn.) Rchb. f.	Amarkantak, Khuria	F, M, Ms	C / R	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Portulacaceae					
622.	<i>Portulaca pilosa</i> L.	Khuria, Khootghat	M, F	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
623.	<i>Talinum portulacifolium</i> (Forssk.) Asch. ex Schweinf.	-	M	C	Khanna <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
Fam: Primulaceae					
624.	<i>Anagalis arvensis</i> L.	Khondra	M, Ms	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989
625.	<i>Lysimachia candida</i> Lindl. ssp. <i>obovata</i> (Buch.-Ham. ex Hk.f.) Kunth	Amarkantak	F	C	Mudgal <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995
626.	<i>Primula umbellata</i> (Lour.) Bentvelzen (syn. <i>Androsace umbellata</i> (Lour.) Merr.)	Amarkantak, Keonchi, Lamni	-	R	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Proteaceae					
627.	<i>Grevillea robusta</i> A.Cunn. ex R.Br.	Amarkantak	Ms, T	Planted	Mudgal <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Punicaceae					
628.	<i>Punica granatum</i> L.	Amarkantak	D, F, M	Planted	Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Ranunculaceae					
629.	<i>Clematis gouriana</i> Roxb. ex DC.	Amarkantak	M	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
630.	<i>Clematis smilacifolia</i> Wall.	Amarkantak, Kabirchabutra	M	R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
631.	<i>Clematis triloba</i> Heyne ex Roth	Achanakmar, Lamni	M	R	Prasad & Pandey, 1993; Tiwari <i>et al.</i> , 1995
632.	<i>Delphinium ajacis</i> L.	Amarkantak	M	C	Khanna <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
633.	<i>Thalictrum foliolosum</i> DC.	Amarkantak, Kabirchabutra	M	VU	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved, <i>et al.</i> , 2003; Verma <i>et al.</i> , 1993

Fam: Rhamnaceae					
634.	<i>Helinus lanceolatus</i> Brand.	Amarkantak	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
635.	<i>Rhamnus purpurens</i> Edgew.	Kabirchabutra	M, T	R	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
636.	<i>Rhamnus wightii</i> W.& A.	Amarkantak	Fb, M		Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
637.	<i>Ventilago denticulata</i> Willd. (syn. <i>Ventilago calyculata</i> Tul.)	Amarkantak, Khondra, Katghora, Khudia, Lormi, Sarasdol	M, O	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
638.	<i>Ziziphus mauritiana</i> Lam. var. <i>fruticosa</i> (Haines) Seb. & Balakr.	Amarkantak	M, Ms, O	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
639.	<i>Ziziphus nummularia</i> (Burm.f.) Wight & Arn. (syn. <i>Z. rotundifolia</i> Lam.)	Amarkantak	-	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
640.	<i>Ziziphus oenoplia</i> (L.) Mill	Amarkantak	M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
641.	<i>Ziziphus rugosa</i> Lam.	Amarkantak, Pasan	F, M, Ms	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
642.	<i>Ziziphus xylopyrus</i> (Retz.) Willd.	Amarkantak, Khondra, Khudia, Lamni, Marwahi	Fb, Ms	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Rosaceae					
643.	<i>Prunus persica</i> (L.) Stokes	Amarkantak	F, M, O, T	Cultivated	Khanna <i>et al.</i> , 2001; Saxena, 1970
Fam: Rubiaceae					
644.	<i>Neanotis calycina</i> (Hook. f.) Lewis (syn. <i>Anotis calycina</i> HK. f.)	Amarkantak	-	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
645.	<i>Anthocephalus chinensis</i> (Lam.) A.Rich. ex Walp.	Pasarkhet	-	R	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
646.	<i>Argostemma samentosum</i> Wall	Pasarkhet	-	R	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993

647.	<i>Borreria stricta</i> (L. f.) C.F.W. Mey	Amarkantak, Lamni	M	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
648.	<i>Canthium dicoccum</i> (Gaertn.) Teysm. & Binn.	Katghora	M, Ms	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
649.	<i>Catunaregum nilotica</i> (Stapf) Tiruvengadam (syn. <i>Xeromphis uliginosa</i> (Retz.) Maheshwari)	Achanakmar	F, M, Ms, O	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
650.	<i>Catunaregum spinosa</i> (Thunb.) Tiruvengadam (syn. <i>Xeromphis spinosa</i> (Thunb.) Keay)	Amarkantak, Kabirchabutra , Khudia, Keonchi, Lamni, Pasan	F, M, Ms, O	C / R	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti,1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
651.	<i>Coffea arabica</i> L.	Jagatpur	F	Planted	Tiwari <i>et al.</i> , 1995
652.	<i>Dentella repens</i> (L.) J.R. & G.Forst.	Katghora, Khuria, Pali, Pasan	M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
653.	<i>Gardenia gummifera</i> L.f.	Achanakmar, Katghora, Pasarkhet	M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
654.	<i>Gardenia latifolia</i> Ait.	Amarkantak, Katghora Khuria	T	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
655.	<i>Gardenia resinifera</i> Roth.	Khondra, Marwahi, Pasan	M	C	Panigrahi & Murti, 1989; Tiwari <i>et</i> <i>al.</i> ,1995; Verma <i>et</i> <i>al.</i> , 1993
656.	<i>Gardenia turgida</i> Roxb.	Achanakmar, Khondra, Khudia, Lamni	T	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti,1989;Verma <i>et al.</i> , 1993
657.	<i>Haldina cordifolia</i> (Roxb.) Ridsdale	Achanakmar, Amarkantak, Khudia, Lamni, Korbi, Pasan, Sarasdol	T	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti,1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
658.	<i>Hedyotis pinifolia</i> Wall. ex G. Don.	Amarkantak	M	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
659.	<i>Hymenodictyon orixense</i> (Roxb.) Mabbreley (syn. <i>Hymenodictyon</i> <i>excelsum</i> (Roxb.) Wall.)	Achanakmar, Amarkantak, Khootaghat	D, M, T	C / R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993

660.	<i>Ixora pavetta</i> Andrews (syn. <i>Ixora arborea</i> Roxb. ex J.E.Smith) (syn. <i>Ixora parviflora</i> Vahl)	Khudia, Lamni, Madai, Sarasdol	M, Ms, T	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
661.	<i>Knoxia sumatrensis</i> (Retz.) DC.	Amarkantak, Madai, Pasarkhet		C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
662.	<i>Meyna spinosa</i> Roxb.	Achanakmar	F, M, Ms	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
663.	<i>Mitragyna parviflora</i> (Roxb.) Korth.	Amarkantak, Khondra, Khudia, Keonchi, Pasan, Sarasdol	Fb, T	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
664.	<i>Oldenlandia affinis</i> (Roem. & Schult.) DC.	Katghora, Madai	M, Ms, T	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
665.	<i>Oldenlandia corymbosa</i> L. (syn. <i>O. pseudocorymbosa</i> (Bakh.f.) Raizada)	Achanakmar, Amarkantak, Katghora, Khondra, Lamni	M	C	Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
666.	<i>Oldenlandia diffusa</i> (Willd.) Roxb.	Lamni	M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
667.	<i>Kahoutia gracilis</i> (Wall.) DC. (syn. <i>Oldenlandia gracilis</i> DC.)	Amarkantak	M	-	Saxena, 1970; Tiwari <i>et al.</i> , 1995
668.	<i>Pavetta crassicaulis</i> Bremek. (syn. <i>Pavetta indica</i> L.)	Amarkantak, Kabirchabutra, Keonchi, Marwahi	F, M, O	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
669.	<i>Pavetta tomentosa</i> Roxb. ex Sm.	Kabirchabutra, Keonchi, Marwahi	F, M, O	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
670.	<i>Rubia manjith</i> Roxb. ex Fleming (syn. <i>Rubia cordifolia</i> L.)	Amarkantak, Kabirchabutra	M	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
671.	<i>Spermacoce ramanii</i> Sivarajan and R.V.Nair	Lamni, Pasan	-	C	Panigrahi & Murti, 1989
672.	<i>Spermacoce hispida</i> L. (syn. <i>Spermacoce articularis</i> L.)	Karidongri, Katghora, Pasan, Pasarkhet	-	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993

673.	<i>Spemadictyon suaveolens</i> Roxb	Achanakmar, Amarkantak, Kabirchabutra	-	R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
674.	<i>Thecagonum ovatifolium</i> (Cav.) Babu (syn. <i>Hedyotis ovatifolia</i> Cav.; <i>Oldenlandia ovatifolia</i> (Cav.) DC.)	Madai	-	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
675.	<i>Wendlandia heynei</i> (R. & S.) Sant. & Merch. (syn. <i>Wendlandia exerta</i> DC.)	Amarkantak, Lamni, Pali	M, Ms, T	R	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Rutaceae					
676.	<i>Aegle marmelos</i> (L.) Corr.	Amarkantak, Achanakmar, Katghora, Lamni	M, F, O	C / R	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
677.	<i>Atalantia monophylla</i> Corr.	Pasarkhet	T, O	R	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
678.	<i>Chloroxylon swietenia</i> DC.	Katghora	Fb, M, T	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
679.	<i>Citrus aurantium</i> L.	Amarkantak	F, M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
680.	<i>Citrus medica</i> L.	-	F, M, O	C	Tiwari <i>et al.</i> , 1995
681.	<i>Naringi crenulata</i> (Roxb.) Nicolson (syn. <i>Limonia crenulata</i> (Roxb.) Roem; <i>L. acidissima</i> auct. Non L.	Belgahana	F, M, O	R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
682.	<i>Murraya koenigii</i> (L.) Spreng.	Amarkantak	F, M, O	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
683.	<i>Murraya paniculata</i> (L.) Jacq.	Amarkantak	M, Ms, O	R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995

Fam: Salicaceae					
684.	<i>Salix tetrasperma</i> Roxb.	Amarkantak, Throughout the BR,	M, Ms, T	C / R	Choubey <i>et al.</i> , 2003; Mudgal, <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Sapindaceae					
685.	<i>Cardiospermum halicacabum</i> L.	Karidongri, Kondra	-	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
686.	<i>Dodonaea angustifolia</i> L.f. (syn. <i>Dodonaea viscosa</i> Jacq.)	Pasan	Fb, O, T	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
687.	<i>Litchi chinensis</i> Sonner.	-	F, M	Planted	Tiwari <i>et al.</i> , 1995
688.	<i>Sapindus laurifolia</i> Vahl	-	M, T	-	Saxena, 1970
689.	<i>Schleichera oleosa</i> (Lour.) Oken.	Amarkantak, Kudmura, Khudia, Lamni, Sarasdol	M, Ms, O, T,	R	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Sapotaceae					
690.	<i>Madhuca longifolia</i> (J.Koenig) Macbr. var. <i>latifolia</i> (Roxb.) Chavalier (syn. <i>Madhuca indica</i> J.F.Gmelin.; <i>M.latifolia</i> (Roxb.) Macbr.)	Khudia, Lainga, Lamni, Pasan	F,M, Ms	C	Chaubey <i>et al.</i> , 2003; Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995;
691.	<i>Manilkara hexandra</i> (Roxb.) Dubard	Pasarkhet	M, O, T	R	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989
692.	<i>Manilkara zapota</i> (L.) P.Royen	Pasarkhet	-	-	Tiwari <i>et al.</i> , 1995
Fam: Scrophulariaceae					
693.	<i>Alectra sessiliflora</i> (Vahl) Kuntze. (syn. <i>Melasma arvense</i> (Benth.) Hand.-Mazz.)	Amarkantak	M	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
694.	<i>Bacopa monnieri</i> (L.) Wettst.	Khuria, Korbi	M	C	Mudgal 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995

695.	<i>Bacopa procumbens</i> (Mill.) Greenm. (syn. <i>Mecardonia procumbens</i> (Mill.) Small; <i>Mecardonia dianthera</i> (Swartz) Pennell)	Amarkantak, Kabirchabutra, Khondra, Pasan, Lamni,	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
696.	<i>Centranthera nepalensis</i> D. Don	Amarkantak	-	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
697.	<i>Limnophila aromatica</i> (Lam.) Merr.	Amarkantak, Katghora, Pasarkhet	F, M, O	R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
698.	<i>Limnophila chinensis</i> (Osbeck) Merr.	Kabirchabutra	O	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
699.	<i>Limnophila chinensis</i> (Osbeck) Merr. var. <i>C.B. Cli</i> (Haines) S.K. Murti	Pasarkhet	-	C	Mudgal, <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
700.	<i>Limnophila connata</i> (Buch.-Ham. ex D. Don) Hand.-Mazz.	Amarkantak	-	C	Mudgal, <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995
701.	<i>Limnophila indica</i> (L.) Druce.	Amarkantak, Keonchi, Kabirchabutra, Khondra, Pasan	M, O	C	Mudgal, <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
702.	<i>Limnophila rugosa</i> (Roth) Merr.	Kabirchabutra	F, O	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
703.	<i>Lindenbergia indica</i> (L.) Kuntze	Amarkantak		R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
704.	<i>Lindernia anagallis</i> (Burm.f.) Pennell (syn. <i>Lindernia cordifolia</i> (Colsm.) Merr.)	Amarkantak, Kabirchabutra, Pasan, Pali	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
705.	<i>Lindernia antipoda</i> (L.) Alston	Achanakmar, Katghora, Pasan, Kabirchabutra, Pendra	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
706.	<i>Lindernia ciliata</i> (Colsm.) Pennell	Amarkantak, Achanakmar, Lamni	M	C	Mudgal <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995

707.	<i>Lindernia crustacea</i> (L.) F.V. Mueller	Amarkantak, Katghora, Lamni, Pasarkhet	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
708.	<i>Lindernia hookeri</i> C.B.Cl. ex Hk.f. var. <i>kumaunensis</i> Pennell	Amarkantak,	M	C	Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
709.	<i>Lindernia hyssopioides</i> (L.) Haines	Kota	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
710.	<i>Lindernia nummularifolia</i> (D.Don.) Wettst	Amarkantak	M	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
711.	<i>Lindernia oppositifolia</i> (L.) Mukerjee	Amarkantak	M	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
712.	<i>Lindernia procumbens</i> (Krock.) Borbas	Amarkantak, Kenda	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et</i> <i>al.</i> , 1995
713.	<i>Lindernia sessiliflora</i> (Benth.) Wettst.	Amarkantak	M	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
714.	<i>Mazus delavayi</i> Bonati	Amarkantak	M	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
715.	<i>Mazus pumilus</i> (Burm.f.) Steenis	Amarkantak, Kabirchabutra, Lamni	-	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
716.	<i>Mimulus strictus</i> Benth.	Amarkantak	M	C	Mudgal <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995
717.	<i>Scoparia dulcis</i> L.	Achanakmar, Amarkantak, Lamni, Kabirchabutra, Katghora	M	C	Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
718.	<i>Sopubia delphinifolia</i> (L.) G. Don	Madai	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
719.	<i>Stemodia viscosa</i> (Roxb.)	Khami, Padaria	M	R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
720.	<i>Striga angustifolia</i> (D.Don) Saldanha	Katghora	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Tiwari <i>et</i> <i>al.</i> , 1995
721.	<i>Striga densiflora</i> (Benth.) Benth.	-	M	R	Murti & Panigrahi 1999; Tiwari <i>et</i> <i>al.</i> , 1995

722.	<i>Verbascum chinense</i> (L.) Sant.	Keonchi, Lamni	M	R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
723.	<i>Veronica anagallis-aquatica</i> L.	Pondu	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999
Fam: Solanaceae					
724.	<i>Capsicum annuum</i> L.	Pasan, Kabirchabutra	M	Planted	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995
725.	<i>Capsicum frutescens</i> L.	Kabirchabutra	F, Ms	Cultivated	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995
726.	<i>Cestrum nocturnum</i> L.	Amarkantak	M, Ms	Planted	Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
727.	<i>Datura metel</i> L.	Achanakmar, Lamni	M	C	Murti & Panigrahi 1999; Prasad & Pandey, 1993; Tiwari <i>et al.</i> , 1995
728.	<i>Datura stramonium</i> L. (syn. <i>Datura tatula</i> L.)	Amarkantak	M	R	Saxena, 1970; Shrivastava, 1986; Tiwari <i>et al.</i> , 1995
729.	<i>Lycopersicon esculentum</i> Mill. (syn. <i>Lycopersicon lycopersicon</i> (L.) Karsten)	Amarkantak	F, M, O	Cultivated	Mudgal <i>et al.</i> , 1997; Saxena, 1970
730.	<i>Nicandra physalodes</i> (L.) Gaertn.	Lamni, Amarkantak	Ms	C / R	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
731.	<i>Petunia x hybrida</i> Vilm.	-	Ms	Planted	Murti & Panigrahi 1999
732.	<i>Physalis divaricata</i> D. Don (syn. <i>Physalis minima</i> L.)	Throughout	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
733.	<i>Solanum incanum</i> L. (syn. <i>S. melongena</i> L. var. <i>incanum</i> (L.) Kuntze.)	Amarkantak	F, M	R	Mudgal, <i>et al.</i> , 1997; Saxena, 1970; Tiwari <i>et al.</i> , 1995
734.	<i>Solanum melongena</i> L.	Throughout the BR	F, M	Planted	Mudgal, <i>et al.</i> , 1997; Tiwari <i>et al.</i> , 1995
735.	<i>Solanum nigrum</i> L.	Achanakmar, Amarkantak, Lamni	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Prasad & Pandey, 1993; Saxena, 1970; Tiwari <i>et al.</i> , 1995

736.	<i>Solanum tuberosum</i> L.	Amarkantak	F, M	Cultivated	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
737.	<i>Solanum violaceum</i> Ortega (syn. <i>Solanum indicum</i> auct. non L.)	Amarkantak, Chauradadar, Kabirchabutra, Katghora, Lamni	F, M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
738.	<i>Solanum virginianum</i> L. (syn. <i>Solanum surratense</i> Burm.f.)	Amarkantak, Katghora	M	C	Mudgal <i>et al.</i> , 1997; Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Sterculiaceae					
739.	<i>Byttneria herbacea</i> Roxb.	Lamni, Marwahi	M	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
740.	<i>Eriolaena candollei</i> Wall (syn. <i>Eriolaena hookeriana</i> W. & A.)	Amarkantak, Khuria, Pendra	Ms	R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
741.	<i>Helicteres isora</i> L.	Achanakmar, Khondra, Khuria	Fb, M, Ms	R	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
742.	<i>Melochia corchorifolia</i> L.	Karidongri, Pasarkhet	F, Fb	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
743.	<i>Sterculia urens</i> Roxb.	Achanakmar, Karghora, Khuria, Lamni, Sarasdol	F, Fb, M	VU	Chaubey, <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1993; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003; Verma <i>et al.</i> , 1993
744.	<i>Sterculia villosa</i> Roxb.	Amarkantak	Fb, Ms	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
745.	<i>Waltheria indica</i> L.	Korbi	M	R	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
Fam: Stylidaceae					
746.	<i>Stylidium kunthii</i> Wall. ex DC.	Pali	-	R	Panigrahi & Murti, 1989
747.	<i>Stylidium tenellum</i> Sw.	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Symplocaceae					
748.	<i>Symplocos laurina</i> (Retz.) Wall	Pasarkhet	M	C / R	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989

749.	<i>Symplocos racemosa</i> Roxb.	Pasan	M, Ms	C	Mudgal <i>et al.</i> , 1997; Panigrahi & Murti, 1989
Fam: Tamaricaceae					
750.	<i>Tamarix ericoides</i> Rottl. ex Willd.	-	M	C	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
Fam: Tiliaceae					
751.	<i>Corchorus aestuans</i> L.	Amarkantak	Fb, M	C	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
752.	<i>Corchorus fascicularis</i> Lam.	Amarkantak	M	R	Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995; Verma <i>et al.</i> , 1993
753.	<i>Corchorus olitorius</i> L.	Khondra	Fb, M	C	Panigrahi & Murti, 1989; Verma <i>et al.</i> , 1993
754.	<i>Grewia serrulata</i> DC. (syn. <i>Grewia glabra</i> Bl.; <i>Grewia disperma</i> Rottl. ex Spreng.)	Achanakmar, Amarkantak, Khondra	Fb, Ms, T	C / R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
755.	<i>Grewia hirsuta</i> Vahl	Keonchi, Lamni	M	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Tiwari <i>et al.</i> , 1995; Verma, <i>et al.</i> , 1993
756.	<i>Grewia rothii</i> DC.	Madai	F, Fb	C	Panigrahi & Murti, 1989
757.	<i>Grewia asiatica</i> L. (syn. <i>Grewia subinaequalis</i> DC.)	Amarkantak	F, Fb, M	R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
758.	<i>Grewia tiliaefolia</i> Vahl	Kabirchabutra, Khudia, Lamni, Marwahi, Pasan, Sarasdol	M	C	Chaubey <i>et al.</i> , 2003; Panigrahi & Murti, 1989; Tiwari <i>et al.</i> , 1995
759.	<i>Triumfetta annua</i> L.	Amarkantak	F	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
760.	<i>Triumfetta pentandra</i> A. Rich.	Kabirchabutra, Katghora	Fb	C	Tiwari <i>et al.</i> , 1995
761.	<i>Triumfetta pilosa</i> Roth	Amarkantak, Khondra, Lamni	Fb	R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
762.	<i>Triumfetta rhomboidea</i> Jacq	Achanakmar, Amarkantak, Lamni, Pasan	Fb, M	C	Panigrahi & Murti, 1989; Prasad & Pandey, 1993; Saxena, 1970; Tiwari <i>et al.</i> , 1995

Fam: Trapaceae					
763.	<i>Trapa natans</i> var. <i>bispinosa</i> (Roxb.) Makino (syn. <i>Trapa bispinosa</i> Roxb.)	Ratanpur, Pali	F	C	Panigrahi & Murti, 1989
Fam: Ulmaceae					
764.	<i>Celtis tetrandra</i> Roxb.	Amarkantak, Kabirchabutra	T	R	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
765.	<i>Trema orientalis</i> (L.) Bl.	Achanakmar, Amarkantak, Pasarkhet	T	R	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Urticaceae					
766.	<i>Boehmeria macrophylla</i> Siebold & Zucc.	Kabirchabutra	-	C	Murti & Panigrahi, 1999; Tiwari <i>et al.</i> , 1995
767.	<i>Boehmeria scabrella</i> Gaud.	Amarkantak	Ms	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
768.	<i>Elatostema cuneatum</i> Wight	Achanakmar	Ms	C	Murti & Panigrahi, 1999
769.	<i>Girardinia diversifolia</i> (Link.) Friis (syn. <i>Girardinia palmata</i> (Forsk.) Gaud.)	Amarkantak, Kabirchabutra	F	C	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
770.	<i>Lecanthus peduncularis</i> (Wall. ex Royle) Wedd. (syn. <i>Lecanthus wightii</i> Wedd.)	-	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
771.	<i>Pouzolzia pentandra</i> (Roxb.) Benn.	Amarkantak	F, M	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Verbenaceae					
772.	<i>Clerodendrum philippinum</i> Schauer (syn. <i>Clerodendrum fragrans</i> Willd.) (syn. <i>Clerodendrum japonicum</i> (Thunb.) Sweet var. <i>pleniflorum</i> (Schauer) Maheshwari)	Amarkantak, Kabirchabutra	M	C	Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
773.	<i>Clerodendrum serratum</i> (L.) Moon	Amarkantak, Kabirchabutra	M	EN	Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003
774.	<i>Clerodendrum viscosum</i> Vent. (syn. <i>C. infortunatum</i> auct. non L.)	Achanakmar	M	C	Murti & Panigrahi 1999
775.	<i>Duranta repens</i> L. var. <i>repens</i>	Pendra, Keonchi	Ms, O	C	Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995
776.	<i>Gmelina arborea</i> Roxb.	Amarkantak	T	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
777.	<i>Lantana camara</i> L. var. <i>aculeata</i> (L.) Moldenke	Amarkantak, Khootaghat	F, M, Ms, O	C	Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995

778.	<i>Phyla nodiflora</i> (L.) Greene	Khuria	F, M	C	Murti & Panigrahi 1999
779.	<i>Premna barbata</i> Wall ex Schauer	Amarkantak	M	R	Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
780.	<i>Pygmaeopremna herbacea</i> (Roxb.) Moldenke (syn. <i>Premna herbacea</i> Roxb.)	Amarkantak, Marwahi	M	C / R	Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
781.	<i>Symphorema polyandrum</i> Wight	Katghora	Ms	R	Murti & Panigrahi, 1999
782.	<i>Tectona grandis</i> L.f.	Madai	T	Planted	Murti & Panigrahi, 1999; Tiwari <i>et al.</i> , 1995
783.	<i>Verbena officinalis</i> L.	Amarkantak, Khondra	M	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
784.	<i>Verbena tenuisecta</i> Briq.	Kabirchabutra, Khondra	-	Planted	Murti & Panigrahi 1999
785.	<i>Vitex negundo</i> L.	Amarkantak, Katghora, Marwahi	M	C	Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Violaceae					
786.	<i>Hybanthus enneaspermus</i> (L.) F.v.Muell.	Khootghat	M	C	Panigrahi & Murti, 1989
Fam: Vitaceae					
787.	<i>Ampelocissus latifolia</i> (Roxb.) Planch	Amarkantak, Khondra, Lamni, Marwahi	M	R	Saxena, 1970; Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Tiwari <i>et al.</i> , 1995
788.	<i>Ampelocissus tomentosa</i> (Heyne ex Roth) Planch	Amarkantak	M	C / R	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995
789.	<i>Cayratia auriculata</i> (Roxb.) Gamble	Khondra		C	Panigrahi & Murti, 1989
790.	<i>Cayratia pedata</i> Gagnep.	Amarkantak, Khondra		R	Saxena, 1970
791.	<i>Cayratia trifolia</i> (L.) Domin	Achanakmar, Kabirchabutra	M	C	Panigrahi & Murti, 1989
792.	<i>Cissus quadrangularis</i> L. (syn <i>Vitis quadrangularis</i> (L.) Wall ex Wight & Arn.)	Lamni	M	Planted	Prasad & Pandey, 1993
793.	<i>Tetrastigma lanceolarium</i> Planch	Amarkantak	F, M	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
794.	<i>Vitis vinifera</i> L.		F, M	Planted	Panigrahi & Murti, 1989; Saxena, 1970; Tiwari <i>et al.</i> , 1995

*F= food, Fb= fibre, M= medicinal, O= oil, Ms= miscellaneous, T= timber

** C= common, R= rare, VU= vulnerable, NT= not threatened, En= endangered

Besides this, there are following 317 species of monocotyledons belonging to 143 genera under 29 families widely distributed in the different localities of Achanakmar-Amarkantak BR. Most of them are common excepting a few rare species or planted. A brief about their distribution in BR, economic uses, status and the references of the authorities reported them from BR are summarized as hereunder:

Table 7. Different monocotyledons reported from BR.

S.N.	Name of Species	Distribution in BR	Uses	Status	References
Fam: Agavaceae					
1.	<i>Agave cantula</i> Roxb. (syn. <i>Agave americana</i> auct. non L.)	Achanakmar, Amarkantak	Fb, M, O	Planted	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
2.	<i>Sansevieria hyacinthoides</i> (L.) Druce	Lamni	Fb, M	Planted	Panigrahi & Murti, 1989; Singh <i>et al.</i> , 2001
Fam: Alismataceae					
3.	<i>Limnophyton obtusifolium</i> (L.) Miq.	Ratanpur	-	C	Panigrahi & Murti, 1989; Singh <i>et al.</i> , 2001
4.	<i>Sagittaria guayanensis</i> H.B.K ssp. <i>lappula</i> (D.Don) Bogin	Khuria, Pasan,	-	C	Panigrahi & Murti, 1989; Singh <i>et al.</i> , 2001
Fam: Amaryllidaceae					
5.	<i>Crinum defixum</i> Ker-Gawler	Madai, Korbi	-	C	Panigrahi & Murti, 1989; Singh <i>et al.</i> , 2001
6.	<i>Crinum latifolium</i> L.	Amarkantak	M	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Aponogetonaceae					
7.	<i>Aponogeton undulatus</i> Roxb.	Pasarkhet	-	C	Panigrahi & Murti, 1989
Fam: Araceae					
8.	<i>Acorus calamus</i> L.	Amarkantak, Lamni	M	EN	Tiwari <i>et al.</i> , 1995, Ved <i>et al.</i> , 2003
9.	<i>Amorphophallus bulbifer</i> (Roxb.) Bl.	Amarkantak, Pasan	F	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
10.	<i>Arisaema tortuosum</i> (Wall.) Schott.	Achanakmar, Amarkantak, Kabirchabutra, Lamni	M, Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
11.	<i>Colocasia esculenta</i> (L) Schott (syn. <i>Colocasia antiquorum</i> Schott)	Amarkantak	F, M, Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995

12.	<i>Pistia stratiotes</i> L.	Ratanpur	M	C	Murti & Panigrahi, 1999; Tiwari <i>et al.</i> , 1995
13.	<i>Plesmonium margaritifera</i> (Roxb.) Schott	Amarkantak	M	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
14.	<i>Remusatia vivipara</i> (Roxb.) Schott	Amarkantak	F, M	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
15.	<i>Typhonium trilobatum</i> (L.) Schott	Achanakmar		R	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
Fam: Areaceae					
16.	<i>Phoenix acaulis</i> Roxb. ex Buch.-Ham.	Amadoh, Amarkantak, Chada, Khudia, Lamni, Sarasdol	F, Ms,	R	Chaubey <i>et al.</i> , 2003; Saxena, 1970; Tiwari <i>et al.</i> , 1995
17.	<i>Phoenix humilis</i> Royle var. <i>humilis</i>	Katghora	F, M, Ms	C	Murti & Panigrahi, 1999
18.	<i>Phoenix sylvestris</i> (L.) Roxb.	Achanakmar, Amarkantak Lamni	F, Ms, T	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Burmanniaceae					
19.	<i>Burmannia coelestis</i> D. Don	Achanakmar, Amarkantak, Katghora	-	R	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
Fam: Butomaceae					
20.	<i>Butomopsis latifolia</i> (D. Don) Kunth	Katghora, Pali, Pasan, Semra	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
Fam: Cannaceae					
21.	<i>Canna coccinea</i> Mill	-	Fb	C	Tiwari <i>et al.</i> , 1995
Fam: Commelinaceae					
22.	<i>Commelina attenuata</i> J. Koenig. ex Vahl	Madai	F, M	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
23.	<i>Commelina benghalensis</i> L.	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
24.	<i>Commelina diffusa</i> Burm.f	-	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
25.	<i>Commelina erecta</i> L. (syn. <i>Commelina undulata</i> R.Br.)	Amarkantak	-	C	Murti & Panigrahi, 1999; Saxena, 1970
26.	<i>Commelina forsskalaei</i> Vahl	Keonchi, Khuria, Padaria	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001

27.	<i>Commelina hasskarlii</i> C.B.Cl.	Amarkantak	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
28.	<i>Commelina paludosa</i> Bl.	Amarkantak	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
29.	<i>Commelina suffruticosa</i> Bl.	-	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
30.	<i>Cyanotis cristata</i> (L.) D. Don.	Amarkantak	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
31.	<i>Cyanotis fasciculata</i> (Heyne <i>ex</i> Roth) J.A.Schult	Khondra	-	C	Murti & Panigrahi, 1999; Saxena, 1970
32.	<i>Floscopa scandens</i> Lour.	Amarkantak	M	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
33.	<i>Murdannia edulis</i> (Stokes) Faden (<i>Murdannia</i> <i>scapiflora</i> (Roxb.) Royle)	Amarkantak	-	R	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Saxena, 1970; Tiwari <i>et al.</i> , 1995
34.	<i>Murdannia nudiflora</i> (L.) R. Brœnan	Amarkantak, Pasan	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
35.	<i>Murdannia spirata</i> (L.) Bruckn.	Achanakmar, Amarkantak, Katghora, Keonchi, Khondra, Pasarkhet	-	C / R	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001
36.	<i>Murdannia vaginata</i> (L.) Bruck.	Amarkantak	-	C	Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
37.	<i>Tonningia axillaris</i> (L.) Kuntze	Madai	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
38.	<i>Tonningia cucullata</i> (Roth) Kuntze	Pali	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
Fam: Cyperaceae					
39.	<i>Bulbostylis barbata</i> (Rottb.) C.B.Cl. var. <i>barbata</i>	Karidongri, Katghora, Khuria, Pasan	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001

40.	<i>Carex cruciata</i> Wahlenb. var. <i>cruciata</i>	Kabirchabutra, Pasarkhet, Madai	Ms	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
41.	<i>Carex speciosa</i> Kunth	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
42.	<i>Carex stramentitia</i> Boott. ex Boeck.	Amarkantak	-	C / R	Saxena, 1970
43.	<i>Cyperus alulatus</i> Kern	Amarkantak, Pasan	M, O	C	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Singh <i>et al.</i> , 2001
44.	<i>Cyperus brevifolius</i> (Rottb.) Hassk. ssp. <i>brevifolius</i> (syn. <i>Kyllinga brevifolia</i> Rottb.)	Amarkantak, Khondra, Kota	M	R	Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
45.	<i>Cyperus bulbosus</i> Vahl.	Pasarkhet, Pasan, Pendra	-	C	Singh <i>et al.</i> , 2001
46.	<i>Cyperus cephalotes</i> Vahl	Ratanpur	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
47.	<i>Cyperus compressus</i> L.	Pasan, Pendra	Ms	C	Murti & Panigrahi, 1999, Singh <i>et al.</i> , 2001
48.	<i>Cyperus difformis</i> L.	Pasan, Pendra	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995;
49.	<i>Cyperus distans</i> L.f.	Achanakmar, Amarkantak, Khondra , Lamni	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
50.	<i>Mariscus dubius</i> Fischer (syn. <i>Cyperus dubius</i> Rottb.)	Korbi, Lamni, Pasan	Ms	R	Murti & Panigrahi, 1999
51.	<i>Cyperus exaltatus</i> Retz. var. <i>exaltatus</i>	Amarkantak, Pasarkhet	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
52.	<i>Cyperus flavidus</i> Retz.	Amarkantak	-	C	Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
53.	<i>Cyperus iria</i> L.	Khuria	Fb, M	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
54.	<i>Cyperus kyllingia</i> Endl. (syn. <i>Kyllinga nemoralis</i> (J.R. & G.Forst.) Dandy ex Hutchinson & Dalz.	Achanakmar, Katghora, Pasarkhet, Marwahi	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
55.	<i>Cyperus latespicatus</i> Boeck. (syn. <i>Cyperus diaphanus</i> Schrad. ex R. & S.)	Amarkantak	Ms	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
56.	<i>Cyperus michelianus</i> (L.)	-	-	C	Murti &

	Link ssp. <i>pygmaeus</i> (Rottb.) Aschers. & Graebn.				Panigrahi,1999
57.	<i>Cyperus niveus</i> Retz.	Amarkantak, Marwahi, Pasan	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
58.	<i>Cyperus nutans</i> Vahl. var. <i>eleusinoides</i> (Kunth) Koyama	Kabirchabutra, Lamni, Madai	-	C	Murti & Panigrahi, 1999
59.	<i>Cyperus pangorei</i> Rottb. var. <i>pangorei</i>	Achanakmar	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
60.	<i>Cyperus paniceus</i> (Rottl.) Boeck.	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
61.	<i>Cyperus pilosus</i> Vahl	Amarkantak, Pasarkhet	-	C / R	Murti & Panigrahi, 1999; Saxena,1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
62.	<i>Cyperus platystylis</i> R.Br.	Pali	-	R	Murti & Panigrahi, 1999
63.	<i>Cyperus pseudokyllingi-</i> <i>oides</i> Kuekenth. [Syn. <i>Courtoisina cyperoides</i> (Roxb.) Sojak]	Throughout	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
64.	<i>Cyperus pulchellus</i> R.Br.	Lamni	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
65.	<i>Cyperus pumillus</i> L. (syn. <i>Pycerus pumillus</i> (L.) Nees ssp. <i>pumilus</i>)	Katghora, Khondra, Madai	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
66.	<i>Cyperus rotundus</i> L.	Amarkantak, Khudia, Lamni, Marwahi, Pasarkhet, Sarasdol	-	C	Chaubey <i>et al.</i> , 2003; Murti & Panigrahi,1999; Saxena,1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
67.	<i>Cyperus sanguinolentus</i> Vahl	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
68.	<i>Cyperus squarossus</i> L. (syn. <i>Mariscus squarossus</i> (L.) C.B.Cl.)	Kota, Lormi	Ms	C	Murti & Panigrahi, 1999;Singh <i>et al.</i> , 2001
69.	<i>Cyperus tenuispica</i> Steud.	Amarkantak, Pasarkhet, Siang	-	C	Murti & Panigrahi, 1999; Saxena,1970; Tiwari <i>et al.</i> , 1995
70.	<i>Eleocharis atropurpurea</i> (Retz.) K.B. Presl.	Korbi, Pali	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
71.	<i>Eleocharis congesta</i> D. Don	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995

72.	<i>Eleocharis palustris</i> (L.) R.Br. var. <i>palustris</i>	Pasarkhet	-	C	Murti & Panigrahi, 1999
73.	<i>Eleocharis retroflexa</i> (Poir.) Urban	Katghora	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
74.	<i>Fimbristylis acuminata</i> Vahl	Katghora, Pali, Pasarkhet	-	C	Murti & Panigrahi, 1999
75.	<i>Fimbristylis aestivalis</i> (Retz.) Vahl var. <i>aestavalis</i>	Katghora, Khootaghat, Khuria	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
76.	<i>Fimbristylis bisumbellata</i> (Forsk.) Bub.	Amarkantak	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
77.	<i>Fimbristylis complanata</i> (Retz.) Link.	Pasarkhet	-	R	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
78.	<i>Fimbristylis dichotoma</i> (L.) Vahl	Amarkantak, Madai, Neur	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
79.	<i>Fimbristylis dipsacea</i> (Rottb.) C.B.Cl	Pasarkhet, Siang	-	R	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
80.	<i>Fimbristylis falcate</i> (Vahl) Kunth	Amarkantak, Marwahi, Pasan, Pendra	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
81.	<i>Fimbristylis fusca</i> (Nees) C.B.Cl.	Achanakmar	-	R	Murti & Panigrahi, 1999
82.	<i>Fimbristylis miliacea</i> (L.) Vahl	Kudamura, Pasarkhet	-	C	Murti & Panigrahi, 1999
83.	<i>Fimbristylis ovata</i> (Burm.f.) Kern.	Pali	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
84.	<i>Fimbristylis schoenoides</i> (Retz.) Vahl	Pasarkhet	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
85.	<i>Fimbristylis tetragona</i> R.Br.	Katghora, Pasarkhet	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
86.	<i>Fimbristylis tomentosa</i> Vahl	Throughout	-	R	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001

87.	<i>Fuirena ciliaris</i> (L.) Roxb.	Katghora, Kudmura	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
88.	<i>Lipocarpha chinensis</i> (Osbeck) Kern.	Amarkantak, Pasarkhet	-	C	Murti & Panigrahi, 1999; Saxena,1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
89.	<i>Mariscus compactus</i> (Retz.) Boldingh.	Khondra	-	C	Murti & Panigrahi, 1999
90.	<i>Mariscus concinnus</i> Schrader ex Nees	Achanakmar, Lamni, Marwahi, Pasan, Pendra	-	C	Murti & Panigrahi, 1999
91.	<i>Riklrella squarrosa</i> (L.) Raynal	Pasan, Pasarkhet	-	C	Murti & Panigrahi, 1999
92.	<i>Scipus articulatus</i> L. (syn. <i>Schoenoplectus</i> <i>articulatus</i> (L.)Palla)	Keonchi, Lamni	-	C	Murti & Panigrahi, 1999; Singh <i>et</i> <i>al.</i> ,2001;Tiwari <i>et</i> <i>al.</i> , 1995
93.	<i>Scipus juncoides</i> Roxb. (syn. <i>Schoenoplectus</i> <i>juncoides</i> (Roxb.) Palla)	Lamni, Pasan, Katghora	-	C	Murti & Panigrahi, 1999; Singh <i>et</i> <i>al.</i> ,2001;Tiwari <i>et</i> <i>al.</i> , 1995
94.	<i>Scipus lateriflorus</i> J.F.Gmelin. [syn. <i>Sch-</i> <i>oenoplectus lateriflorus</i> (J.F. Gmelin) Lye.]	Katghora, Khondra, Pasan	-	C	Murti & Panigrahi, 1999; Singh <i>et</i> <i>al.</i> ,2001;Tiwari <i>et</i> <i>al.</i> , 1995
95.	<i>Scipus mucronatus</i> L. (syn. <i>Schoenoplectus</i> <i>mucronatus</i> (L.) Palla)	Pasarkhet	-	C	Murti & Panigrahi, 1999; Singh <i>et</i> <i>al.</i> ,2001;Tiwari <i>et</i> <i>al.</i> , 1995
96.	<i>Scipus triangulates</i> Roxb.	Amarkantak	Ms	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
97.	<i>Scleria levis</i> Retz.	Amarkantak	-	C	Murti & Panigrahi, 1999; Saxena,1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
98.	<i>Scleria pergracilis</i> (Nees) Kunth	Amarkantak	-	R	Saxena, 1970; Singh <i>et al.</i> ,2001; Tiwari <i>et al.</i> , 1995
99.	<i>Scleria psilorrhiza</i> C.B.Cl	Amarkantak	M	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995

Fam: Dioscoreaceae					
100.	<i>Dioscorea belophylla</i> (Prain)Voight ex Haines	Amarkantak, Khondra	F, M	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
101.	<i>Dioscorea bulbifera</i> L.	Achanakmar, Amadoh, Amarkantak, Keonchi, Lamni	M	VU	Panigrahi & Murti, 1989; Prasad & Pandey, 1987; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003
102.	<i>Dioscorea hispida</i> Dennst.	Achanakmar, Amarkantak, Lamni	M, Ms	VU	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Ved <i>et al.</i> , 2003
103.	<i>Dioscorea oppositifolia</i> L.	Achanakmar, Amarkantak	M	C / R	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
104.	<i>Dioscorea pentaphylla</i> L.	Amadoh, Amarkantak, Khondra, Lamni	M, F	C	Murti & Panigrahi, 1999; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995
105.	<i>Dioscorea pubera</i> Bl.	Achanakmar	F	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
106.	<i>Dioscorea wightii</i> Hook.f.	Achanakmar	-	C	Murti & Panigrahi 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
Fam: Eriocaulaceae					
107.	<i>Eriocaulon breviscapum</i> Koern.	Amarkantak	-	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
108.	<i>Eriocaulon cinereum</i> R.Br. (syn. <i>Eriocaulon</i> <i>seiboldianum</i> Sieb. & Zucc. ex Steud.)	Amarkantak, Khondra, Pasarkhet	-	C	Murti & Panigrahi, 1999; Tiwari <i>et al.</i> , 1995
109.	<i>Eriocaulon longicuspis</i> Hook.f. (syn. <i>Eriocaulon</i> <i>polycephalum</i> Hk.f.)	Amarkantak	-	R	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
110.	<i>Eriocaulon quinquangulare</i> L.	Amarkantak	-	C	Murti & Panigrahi, 1999; Saxena, 1970;

					Tiwari <i>et al.</i> , 1995
111.	<i>Eriocaulon ritchieanum</i> Ruhl	Amarkantak	-	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Hydrocharitaceae					
112.	<i>Blyxa auberti</i> Rich.	Pasarkhet, Siang	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
113.	<i>Blyxa octandra</i> (Roxb.) Planch	Kota	M	R	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
114.	<i>Hydrilla verticiliata</i> (L.f.) Royle	Pasan	Ms	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
115.	<i>Lagarosiphon alternifolia</i> (Roxb.) Druce	Katghora, Lamni	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
116.	<i>Ottelia alismoides</i> (L.) Pers.	Keonchi, Korba	F, M	C	Panigrahi & Murti, 1989; Singh <i>et al.</i> , 2001
117.	<i>Vallisneria natans</i> (Lour.) Hara	Pali	-	C / R	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
Fam: Hypoxidaceae					
118.	<i>Curculigo orchiioides</i> Gaertn.	Amadoh, Amarkantak, Chada, Lamni	F, M	C	Murti & Panigrahi, 1999; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Juncaceae					
119.	<i>Juncus leschenaultii</i> Gay (syn. <i>J. prismatocarpus</i> <i>auct. non R.Br.</i>)	Amarkantak, Katghora, Pondu	-	C / R	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Liliaceae					
120.	<i>Aloe vera</i> (L.) Burm. f. (syn. <i>Aloe barbadensis</i> Mill.)	Achanakmar, Chada, Lamni	Fb, M	Planted	Tiwari <i>et al.</i> , 1995
121.	<i>Asparagus gracilus</i> Royle ex Baker	Amarkantak	-	R	Saxena, 1970 Singh <i>et al.</i> , 2001
122.	<i>Asparagus racemosus</i> Willd.	Amadoh, Amarkantak, Chada, Khondra, Lamni	M	NT	Murti & Panigrahi, 1999; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003

123.	<i>Chlorophytum arundinaceum</i> Baker	Amadoh, Amarkantak, Chada, Lamni, Madai, Pasan, Pendra	F, M	C	Murti & Panigrahi, 1999; Prasad & Pandey, 1987; Tiwari <i>et al.</i> , 1995
124.	<i>Chlorophytum tuberosum</i> (Roxb.) Baker	Amarkantak, Khudia, Lamni	F, M	VU	Chaubey <i>et al.</i> , 2003; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003
125.	<i>Drimys indica</i> (Roxb.) J.P. Jessop. (syn. <i>Urgenia indica</i> (Roxb.) Kunth)	Amarkantak, Katghora	M	VU	Murti & Panigrahi, 1999; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003
126.	<i>Gloriosa superba</i> L.	Amarkantak, Madai, Pasarkhet	M	VU	Murti & Panigrahi, 1999; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003
127.	<i>Iphigenia indica</i> (L.) A. Gray	Achanakmar, Pasarkhet	D	C	Panigrahi & Murti, 1989
Fam: Musaceae					
128.	<i>Musa paradisiaca</i> L. (syn. <i>Musa sapientum</i> L.)	Amarkantak	F, Fb, M	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Najadaceae					
129.	<i>Najas graminea</i> Delile	Pasan	-	C	Murti & Panigrahi, 1999
Fam: Orchidaceae					
130.	<i>Aerides multiflorum</i> Roxb.	Achanakmar, Amarkantak	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
131.	<i>Cymbidium macrorhizon</i> Lindl.	Sonmuda	M	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
132.	<i>Epipogium roseum</i> (D.Don) Lindl.	Amarkantak	-	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
133.	<i>Eulophia cullenii</i> (Wight) Bl. (syn. <i>E. flava</i> (Lindl.) Hook.f.)	Lamni	M	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
134.	<i>Eulophia herbaea</i> Lindl.	Amarkantak	M	EN	Murti & Panigrahi, 1999; Ved <i>et al.</i> , 2003
135.	<i>Eulophia nuda</i> Lindl.	Amarkantak	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995

136.	<i>Eulophia spectabilis</i> (Dennst.) Suresh (syn. <i>Eulophia nuda</i> Lindl)	Amarkantak	M	C	Murti & Panigrahi, 1999; Tiwari <i>et al.</i> , 1995
137.	<i>Geodorum densiflorum</i> (Lam.) Schltr.	Pasan	Ms	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
138.	<i>Habenaria dentata</i> (Sw.) Schlecht.	Achanakmar	M	R	Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
139.	<i>Habenaria digitata</i> Lindl.	Achanakmar, Kabirchabutra, Lamni	-	C	Murti & Panigrahi, 1999; Tiwari <i>et al.</i> , 1995
140.	<i>Habenaria furcifera</i> Lindl.	Amarkantak	-	R	Saxena, 1970
141.	<i>Luisia trichorhiza</i> (Hook.) Bl.	Amarkantak	M	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
142.	<i>Luisia zeylanica</i> Lindl. (syn. <i>Luisia teretifolia</i> Gaud.)	Amarkantak	M	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
143.	<i>Malaxis mackinnonii</i> (Duthie) Ames.	Amarkantak	-	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
144.	<i>Oberonia ensiformis</i> (Sm.) Lindl.	Amarkantak,	-	R	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
145.	<i>Oberonia falconeri</i> Hook.f.	Kabirchabutra	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
146.	<i>Peristylus constrictus</i> (Lindl.) Lindl.	Amarkantak, Lamni	-	C / R	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
147.	<i>Peristylus goodyeroides</i> (D.Don) Lindl.	Kabirchabutra	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
148.	<i>Peristylus lawii</i> Wight	Katghora	-	R	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
149.	<i>Peristylus stocksii</i> (Hook.f.) Kranzl.	Amarkantak	-	R	Saxena, 1970
150.	<i>Pelatantheria insectifera</i> (Reichb.f.) Ridley	Pasarkhet	M	R	Saxena, 1970; Singh <i>et al.</i> , 2001
151.	<i>Platanthera susannae</i> (L.) Lindl.	Amarkantak	-	C	Murti & Panigrahi, 1999; Tiwari <i>et al.</i> , 1995

152.	<i>Rhynchosyilis retusa</i> (L) Bl.	Amarkantak, Pasan	M	R	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
153.	<i>Vanda tessellata</i> (Roxb.) Hook. ex G. Don	Marwahi, Khondra, Pasan	M	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
154.	<i>Vanda testacea</i> (Lindl.) Rehb. (syn. <i>Vanda parviflora</i> Lindl.)	Kabirchabutra	M	R	Murti & Panigrahi 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
Fam: Poaceae					
155.	<i>Arachne racemosa</i> (Heyne ex Roam. & Schult.) Ohwi	Lamni	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
156.	<i>Alloteropsis cimicina</i> (L.) Stapf	Pasarkhet	-	C	Murti & Panigrahi, 1999; Tiwari <i>et al.</i> , 1995
157.	<i>Alloteropsis semialata</i> (R.Br.) Hitchc	Amarkantak	-	C	Saxena, 1970
158.	<i>Apluda mutica</i> L.	Amarkantak, Pendra	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001
159.	<i>Aristida adscensionis</i> L.	Khootghat, Katghora	Ms	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
160.	<i>Aristida cumingiana</i> Trin. et Rupr.	Amarkantak	Ms	R	Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
161.	<i>Aristida setacea</i> Retz	Amarkantak, Pasan, Pasarkhet	Ms	C/R	Murti & Panigrahi 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
162.	<i>Arthraxon hookeri</i> (Hack.) Henr.	Amarkantak	-	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
163.	<i>Arthraxon lanceolatus</i> (Roxb.) Hochst	Khondra	Ms	C	Murti & Panigrahi, 1999
164.	<i>Arthraxon lancifolius</i> (Trin.) Hochst.	Amarkantak, Khondri, Madai	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995

165.	<i>Arthraxon quartinianus</i> (A.Rich.) Nash	Amarkantak	Ms	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
166.	<i>Arundinella pumila</i> (Hochst.ex A.Rich.) Steud.	Amarkantak, Kota, Madai	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
167.	<i>Arundinella setosa</i> Trin. var. <i>lanifera</i> C. E.C. Fischer	Madai	Ms	R	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
168.	<i>Bambusa arundinacea</i> (Retz.) Willd.	-	Ms, T	C	Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
169.	<i>Bambusa bambos</i> (L.) Vilmorin	Pasan	Ms	C	Murti & Panigrahi, 1999
170.	<i>Bothriochloa glabra</i> (Roxb.) A. Camus	Amarkantak, Kota, Pali	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970
171.	<i>Bothriochloa grahamii</i> (Haines) Bor	Amarkantak	Ms	Endemic	Khanna, 2007; Saxena, 1970; Tiwari <i>et al.</i> , 1995
172.	<i>Bothriochloa bladhii</i> (Retz.) S. T. Blake (syn. <i>Bothriochloa intermedia</i> (R.Br.) A. Camus	Amarkantak	Ms	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
173.	<i>Bothriochloa kuntzeana</i> (Hack.) Henr.	Amarkantak	Ms	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
174.	<i>Bothriochloa odorata</i> (Lisboa) A. Camus	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
175.	<i>Bothriochloa pertusa</i> (L.) A. Camus	Amarkantak	-	C	Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
176.	<i>Brachiaria deflexa</i> (Schum.) C. E. Hubb.ex Robyns	Lamni	Ms	R	Murti & Panigrahi 1999
177.	<i>Brachiaria distachya</i> (L.) Stapf	-	Ms	C	Murti & Panigrahi 1999
178.	<i>Brachiaria reptans</i> (L.) C. A. Gard. & C.E. Hubb.	Throughout the BR	Ms	C	Murti & Panigrahi 1999
179.	<i>Capillipedium assimile</i> (Steud.) A. Camus	Achanakmar, Amarkantak, Kabirchabutra	-	C / R	Murti & Panigrahi 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
180.	<i>Capillipedium huegelii</i> (Hack.) Stapf	Amarkantak	-	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995

181.	<i>Capillipedium parviflorum</i> (R.Br.) Stapf	Amarkantak	-	C / R	Saxena, 1970
182.	<i>Chionachne koenigii</i> (Spreng.) Thw.	Achanakmar, Amarkantak, Katghora	-	C / R	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
183.	<i>Chloris dolichostachya</i> Lag.	Achanakmar, Khondra	Ms	C	Murti & Panigrahi, 1999; Tiwari <i>et al.</i> , 1995
184.	<i>Chloris virgata</i> Swartz.	Throughout BR	Ms	C	Murti & Panigrahi 1999; Singh <i>et al.</i> , 2001
185.	<i>Chrysopogon aciculatus</i> (Retz.) Trin. (syn. <i>Andropogon aciculatus</i> Retz)	Pali	-	C	Murti & Panigrahi 1999
186.	<i>Chrysopogon fulvus</i> (Spreng.) Chiov.	Pali, Katghora	-	C	Murti & Panigrahi 1999
187.	<i>Coelachne simpliciuscula</i> (W. & A.ex Steud.) Benth	Amarkantak, Pali, Semra	-	R	Murti & Panigrahi 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
188.	<i>Coix gigantea</i> Koenig. ex Roxb.	-	Ms	C	Tiwari <i>et al.</i> , 1995
189.	<i>Coix lacryma-jobi</i> L.	Amarkantak, Kota, Khondra	F, M, Ms	C	Murti & Panigrahi 1999; Saxena, 1970; Singh <i>et al.</i> , 2001
190.	<i>Cymbopogon martinii</i> (Roxb.) Wats.	Amarkantak, Katghora, Keonchi, Katra, Lamni	Ms, O	C	Chaubey <i>et al.</i> , 2003; Saxena, 1970; Murti & Panigrahi 1999; Tiwari <i>et al.</i> , 1995
191.	<i>Cynodon arcuatus</i> J.Presl. ex K. Presl.	Katghora	-	R	Murti & Panigrahi 1999
192.	<i>Cynodon dactylon</i> (L.) Pers.	Amarkantak, Khuria, Pasarkhet, Achanakmar	M, Ms	C	Murti & Panigrahi 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
193.	<i>Dactyloctenium aegyptium</i> (L.) P. Beauv.	Amarkantak, Karidongri, Pasan	-	C	Murti & Panigrahi 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995

194.	<i>Dendrocalamus strictus</i> (Roxb.) Nees	Achanakmar, Amarkantak, Lamni	Ms,	C	Chaubey <i>et al.</i> , 2003; Murti & Panigrahi 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995;
195.	<i>Desmostachya bipinnata</i> (L.) Stapf	Madai	-	C	Murti & Panigrahi, 1999
196.	<i>Dichanthium annulatum</i> (Forssk.) Stapf	Achanakmar, Amarkantak, Madai, Katghora, Kabirchabutra, Karidongri, Khondra, Pasan, Semra	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
197.	<i>Dichanthium aristatum</i> (Poir.) C.E.Hubb.	Amarkantak, Kabirchabutra	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
198.	<i>Diectomis fastigiata</i> (Sw.) Kunth	Pasarkhet	-	R	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
199.	<i>Digitaria abludens</i> (Roem. & Schult.) Veldk. [syn. <i>Digitaria granularis</i> (Trin.) Henr.]	Amarkantak, Khuria, Pasarkhet	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
200.	<i>Digitaria bicornis</i> (Lam.) Roem. & Schult. <i>ex</i> Loud.	Throughout, Kota	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
201.	<i>Digitaria ciliaris</i> (Retz.) Koeler [syn. <i>Digitaria adscendens</i> (Kunth) Henr. ssp. <i>adscendens</i>]	Amarkantak, Lamni, Pasan, Pali	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001
202.	<i>Digitaria longiflora</i> (Retz.) Pers.	Achanakmar, Amarkantak	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
203.	<i>Digitaria setigera</i> Roth ex R.& S.	Amarkantak, Keonchi	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
204.	<i>Digitaria stricta</i> Roth ex Roem. & Schult.	Khondra	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
205.	<i>Dimeria connivens</i> Hack.	Lafa	-	C	Murti & Panigrahi, 1999
206.	<i>Dimeria ornithopoda</i> Trin. var. <i>ornithopoda</i>	Amarkantak, Katghora,	-	C	Murti & Panigrahi, 1999;

		Khondra, Kota			Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
207.	<i>Echinochloa colonum</i> (L.) Link.	Amarkantak, Lamni, Karidongri, Pasan, Parasi,	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
208.	<i>Echinochloa stagnina</i> (Retz.) P. Beauv.	Achanakmar, Amarkantak, Pasan, Semra		C	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
209.	<i>Eleusine indica</i> (L.) Gaertn.	Amarkantak, Pali, Pasan	M	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
210.	<i>Elytrophorus spicatus</i> (Willd.) A. Camus	Katghora, Keonchi, Pasan	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
211.	<i>Eragrostiella bifaria</i> (Vahl) Bor	Katghora, Madai, Pasarkhet	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
212.	<i>Eragrostiella brachyphylla</i> (Stapf) Bor	Kota, Pasarkhet, Pasan	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
213.	<i>Eragrostis atrovirens</i> (Desf.) Trin. ex Steud.	Katghora, Lamni, Pasan, Pendra	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
214.	<i>Eragrostis ciliaris</i> (L.) R. Br.	-	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
215.	<i>Eragrostis coarctata</i> Stapf	-	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
216.	<i>Eragrostis gangetica</i> (Roxb.) Steud.	Amarkantak	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
217.	<i>Eragrostis japonica</i> (Thunb.) Trin.	Achanakmar, Katghora, Padaria	-	R	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995

218.	<i>Eragrostis nutans</i> (Retz.) Nees ex Steud.	Amarkantak, Katghora	-	R	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
219.	<i>Eragrostis pilosa</i> (L.) P. Beauv.	Khondra, Pali, Pasarkhet	-	C	Murti & Panigrahi 1999; Singh <i>et al.</i> , 2001
220.	<i>Eragrostis tenella</i> (L.) P. Beauv. ex R. & S.	Lafa, Katghora	-	C	Murti & Panigrahi, 1999; Tiwari <i>et al.</i> , 1995
221.	<i>Eragrostis tenuifolia</i> Hochst. ex Steud.	Amarkantak	-	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
222.	<i>Eragrostis tremula</i> (Lam.) Hochst. ex Steud.	Katghora, Pali, Pasan	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
223.	<i>Eragrostis unioloides</i> (Retz.) Nees ex Steud.	Amarkantak, Katghora, Pali, Pasan, Lamni	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
224.	<i>Eriochloa procera</i> (Retz.) C.E. Hubb.	Neura	-	R	Murti & Panigrahi, 1999
225.	<i>Eulalia contorta</i> (Borogn.) Clayton & Renvoize ex Panigr.	Katghora, Madai	-	C	Murti & Panigrahi, 1999
226.	<i>Eulalia trispicata</i> (Schult.) Henr.	Achanakmar, Amarkantak, Siang	-	R	Murti & Panigrahi 1999; Saxena, 1970; Singh <i>et al.</i> , 2001
227.	<i>Hackelochloa granularis</i> (L.) O. Ktze.	Amarkantak	-	R	Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
228.	<i>Hemarthria compressa</i> (L.f.) R.Br.	Achanakmar, Amarkantak	-	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
229.	<i>Heteropogon contortus</i> L. (P. Beauv.)	Amarkantak, Katghora, Kota, Korbi, Khudia, Madai, Sarasdol	Ms	C	Chaubey <i>et al.</i> , 2003; Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
230.	<i>Hymenachne pseudo- interrupta</i> C. Muell.	Amarkantak	Ms	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995

231.	<i>Imperata cylindrical</i> (L.) P.Beauv. var. <i>major</i> (Nees) Hubb. ex Hubb.& Vaughan	Amadoh, Achanakmar, Amarkantak, Lamni, Pasan	M, Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
232.	<i>Isachne globosa</i> (Thunb.) O. Ktze.	Amarkantak, Katghora, Pali	Ms	C / R	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
233.	<i>Isachne miliacea</i> Roth	Amarkantak, Kabirchabutra	Ms	R	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
234.	<i>Ischaemum duthiei</i> Stapf	Amarkantak	Ms	-	Saxena, 1970; Tiwari <i>et al.</i> , 1995
235.	<i>Ischaemum indicum</i> (Houtt.) Merr.	Achanakmar, Khondra, Kudmura, Pali	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
236.	<i>Ischaemum rugosum</i> Salisb.	Amarkantak, Katghora, Kota	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
237.	<i>Iseilema laxum</i> Hack.	Throughout thr BR	Ms	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
238.	<i>Iseilema prostratum</i> (L.) Anderss.	Amarkantak, Keonchi	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
239.	<i>Leersia hexandra</i> Swartz.	Pasan	Ms	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
240.	<i>Leptochloa chinensis</i> (L.) Nees	Madai	Ms	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
241.	<i>Manisuris clarkii</i> C.B.Cl. (Hack.) Bor	Amarkantak	Ms	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
242.	<i>Melanocenchris jacquemontii</i> Jaub. & Spach.	Kota	Ms	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
243.	<i>Mnesithea granularis</i> (L.) Koenig.	Pasan, Khootghat	Ms	C	Murti & Panigrahi, 1999
244.	<i>Mnesithea laevis</i> (Retz.) Kunth (syn. <i>Rottboellia perforata</i> Nees)	Amarkantak, Khootaghat, Pasan	Ms	R	Murti & Panigrahi, 1999

245.	<i>Ophiuros exaltatus</i> (L.) Kuntze	Acahanakmar, Khondra	Ms	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
246.	<i>Oplismenus burmannii</i> (Retz.) P. Beauv.	Amarkantak	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
247.	<i>Oplismenus compositus</i> (L.) P. Beauv.	Amarkantak, Katghora, Kota, Khondra	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
248.	<i>Oryza rufipogon</i> Griff.	Amarkantak, Belghana, Kota, Khondra, Lamni	Ms	R	Murti & Panigrahi 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
249.	<i>Oryza sativa</i> L.	Lamni	F	C	Tiwari <i>et al.</i> , 1995
250.	<i>Panicum walense</i> Mez. (syn. <i>Panicum austroasiaticum</i> Ohwi)	Amarkantak	Ms	-	Saxena, 1970
251.	<i>Panicum notatum</i> Retz.	Amarkantak, Kabirchabutra, Madai	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
252.	<i>Panicum paludosum</i> Roxb.	Katghora, Pasarkhet, Pasan	Ms	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
253.	<i>Panicum psilopodium</i> Trin.	Amarkantak, Pasan	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
254.	<i>Panicum repens</i> L.	Amarkantak	Ms	C	Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
255.	<i>Panicum sumatrense</i> Roth ex R. & S.	Amarkantak, Pasarkhet, Tehrapani	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
256.	<i>Panicum trypheron</i> Schult	Amarkantak	Ms	-	Saxena, 1970; Tiwari <i>et al.</i> , 1995

257.	<i>Paspalidium flavidum</i> (Retz.) A.Camus	Amarkantak , Keonchi, Lamni, Madai, Pasan, Pendra	Ms	C	Murti & Panigrahi 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et</i> <i>al.</i> , 1995
258.	<i>Paspalidium punctatum</i> (Burm. f.) A.Camus (syn. <i>Panicum punctatum</i> Burm.f.)	Keonchi, Khondra	Ms	C	Chaubey <i>et al.</i> , 2003 Murti & Panigrahi 1999; Saxena, 1970
259.	<i>Paspalum commersonii</i> Lam. (<i>Paspalum</i> <i>scrobiculatum</i> L.)	Amarkantak	-	C	Saxena, 1970; Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et</i> <i>al.</i> , 1995
260.	<i>Paspalum vaginatum</i> Swartz. (syn. <i>Paspalum</i> <i>distichum</i> L.)	Amarkantak, Kota	Ms	C / R	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et</i> <i>al.</i> , 1995
261.	<i>Pennisetum hohenackeri</i> Hochst ex Steud.	Achanakmar, Amarkantak, Kabirchabutra	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et</i> <i>al.</i> , 1995
262.	<i>Pennisetum pedicellatum</i> Trin.	Katghora	Ms	C	Murti & Panigrahi, 1999; Singh <i>et</i> <i>al.</i> , 2001; Tiwari <i>et</i> <i>al.</i> , 1995
263.	<i>Pennisetum polystachion</i> (L.) Schult.	Katghora	Ms	C	Murti & Panigrahi, 1999
264.	<i>Perotis indica</i> (L.) Kuntze.	Katghora, Karidongri, Pasarkhet	Ms	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
265.	<i>Phragmites karka</i> (Retz.) Trin. ex Steud.	Achanakmar, Pasan , Semra	Ms	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
266.	<i>Pogonatherum crinitum</i> (Thunb.) Kunth	Achanakmar	M	C	Murti & Panigrahi, 1999
267.	<i>Pogonatherum paniceum</i> (Lamk.) Hack. (syn. <i>Pogonatherum</i> <i>saccharoideum</i> P. Beauv.)	Amarkantak, Siang, Korbi	M	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et</i> <i>al.</i> , 1995
268.	<i>Pseudopogonatherum</i> <i>contortum</i> (Brongn.) A.Camus	Amarkantak	-	R	Saxena, 1970; Singh <i>et al.</i> , 2001
269.	<i>Pseudosorghum</i> <i>fasciculare</i> (Roxb.) A.Camus	Madai	-	R	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001

270.	<i>Rottboellia cochichinensis</i> (Lour.) Clayton	-	Ms	C	Saxena, 1970
271.	<i>Rottboellia exaltata</i> L.f.	Amarkantak	Ms	C	Saxena, 1970
272.	<i>Saccharum narenga</i> (Nees ex Steud.) Hack.	Achanakmar	Ms	C	Murti & Panigrahi, 1999
273.	<i>Saccharum spontaneum</i> L.	Achanakmar, Amarkantak	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
274.	<i>Sacciolepis indica</i> (L.) A.Chase	Amarkantak	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001
275.	<i>Sacciolepis interrupta</i> (Willd.) Stapf	Keonchi	Ms	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
276.	<i>Sacciolepis myosuroides</i> (R.Br.) A.Chase	Amarkantak, Achanakmar, Katghora, Pasarkhet, Pasan	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
277.	<i>Schizachyrium brevifolium</i> (Sw.) Nees ex Buse	Amarkantak, Pasan	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
278.	<i>Schizachyrium exile</i> (Hochst.) Pilger	Pasan	Ms	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
279.	<i>Sehima nervosum</i> (Rottb.) Stapf	Lafa	Ms	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
280.	<i>Setaria homonyma</i> (Steud.) Chiov.	Amarkantak, Kabirchabutra	Ms	C / R	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
281.	<i>Setaria intermedia</i> Roem. & Schult. (syn. <i>Setaria tomentosa</i> (Roxb.) Kunth)	Pasan	Ms	C	Murti & Panigrahi, 1999
282.	<i>Setaria italica</i> (L.) P. Beauv.	Amarkantak	Ms	C	Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
283.	<i>Setaria pumila</i> (Poir.) R. & S. (syn. <i>Setaria pallidifusca</i> (Schum.) Stapf & C.E.Hubb.)	Amarkantak, Karidongri, Lamni, Pasan	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995

284.	<i>Setaria verticillata</i> (L.) P.Beauv.	Lamni	Ms	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
285.	<i>Sorghum cernuum</i> (Ard.) Host.	Pasan	Ms	C	Murti & Panigrahi, 1999
286.	<i>Sorghum halepense</i> (L.) Pers.	Amarkantak, Kabirchabutra, Pendra	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
287.	<i>Sorghum nitidum</i> (Vahl) Pers.	Amarkantak, Achanakmar, Madai	Ms	C / R	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
288.	<i>Spodiopogon rhizophorus</i> (Steud.) Pilger	Amarkantak, Kabirchabutra, Keonchi, Kota	-	R	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
289.	<i>S. indicus</i> auct. non (L.) R.Br.	Amadob	-	C	Saxena, 1970; Singh <i>et al.</i> , 2001
290.	<i>Sporobolus fertilis</i> (Steud.) W.D.Clayton (syn. <i>S.</i> <i>indicus</i> auct. non (L.) R.Br. var. <i>fertilis</i> (Steud.) Jovet & Guedes)	Keonchi, Khondra, Lamni	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
291.	<i>Sporobolus indicus</i> (L.) R.Br.	-	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
292.	<i>Themeda caudata</i> (Nees) A.Camus	Lamni	Ms	R	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
293.	<i>Themeda laxa</i> (Anderss.) A.Camus	Achanakmar Khondra	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
294.	<i>Themeda quadrivalvis</i> (L.) O. Ktze.	Amarkantak, Pendra	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
295.	<i>Themeda triandra</i> Forssk.	Achanakmar, Amarkantak, Katghora , Kenda	Ms	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995

296.	<i>Thysanolaena maxima</i> (Roxb.) O. Ktze.	Amarkantak, Achanakmar, Kabirchabutra, Katghora, Lamni	Ms	-	Chaubey <i>et al.</i> , 2003; Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
297.	<i>Urochloa panicoides</i> P. Beauv.	Amarkantak	F, Ms	C	Saxena, 1970; Tiwari <i>et al.</i> , 1995
298.	<i>Vetiveria zizanioides</i> (L.) Nash	Khuria, Khondra, Achanakmar	M, Ms, O	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
Fam: Poiteaceae					
299.	<i>Monochoria vaginalis</i> (Burm.f.) Persl. ex Kunth	Amarkantak, Kota, Pasan, Pendra	F, M	C	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Potamogetonaceae					
300.	<i>Potamogeton crispus</i> L.	Khuria	F	-	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
301.	<i>Potamogeton nodosus</i> Poir.	Khuria	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
302.	<i>Octandrus</i> Poir. (syn. <i>Potamogeton javanicus</i> Hassk.)	Amarkantak	F	R	Saxena, 1970; Tiwari <i>et al.</i> , 1995
Fam: Smilacaceae					
303.	<i>Smilax perfoliata</i> Lour.	-	F, M	C / R	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et al.</i> , 1995
304.	<i>Smilax zeylanica</i> L. (syn. <i>S. macrophylla</i> Roxb.)	Achanakmar, Amarkantak, Khondra, Lamni	M	C	Chaubey <i>et al.</i> , 2003; Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
Fam: Taccaceae					
305.	<i>Tacca leontopetaloides</i> (L.) Kuntz.	Khondra, Lamni	-	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
Fam: Xyridaceae					
306.	<i>Xyris pauciflora</i> Willd.	Katghora, Pasarkhet, Pali	F, M	C	Murti & Panigrahi, 1999

Fam: Zingiberaceae					
307.	<i>Costus speciosus</i> (J. Koenig.) Sm.	Amarkantak, Kabirchabutra, Lamni, Madai	F, M	VU	Murti & Panigrahi, 1999; Prasad & Pandey, 1987; Saxena, 1970; Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003
308.	<i>Curcuma amada</i> Roxb.	Madai, Pali	M, O	C	Murti & Panigrahi, 1999; Saxena, 1970; Singh <i>et al.</i> , 2001
309.	<i>Curcuma angustifolia</i> Roxb.	Achanakmar, Amarkantak, Khudia, Lamni, Sarasdol	M	VU	Chaubey <i>et al.</i> , 2003; Murti & Panigrahi, 1999; Prasad & Pandey, 1987; Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et</i> <i>al.</i> , 1995; Ved, <i>et</i> <i>al.</i> , 2003
310.	<i>Curcuma aromatica</i> Salisb.	Achanakmar	M, Ms	C	Prasad & Pandey, 1987; Tiwari <i>et</i> <i>al.</i> , 1995
311.	<i>Curcuma caesia</i> L.	-	M, Ms	Cultivated, DD	Tiwari <i>et al.</i> , 1995; Ved <i>et al.</i> , 2003
312.	<i>Curcuma longa</i> L.	-	F, M, O	C	Murti & Panigrahi, 1999; Tiwari <i>et</i> <i>al.</i> , 1995
313.	<i>Globba marantina</i> L. (syn. <i>Globba bulbifera</i> Roxb.)	Achanakmar, Amarkantak, Kabirchabutra	F	C	Murti & Panigrahi, 1999; Saxena, 1970; Tiwari <i>et</i> <i>al.</i> , 1995
314.	<i>Globba racemosa</i> Sm.	Amarkantak	F	R	Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
315.	<i>Hedychium coronarium</i> Koenig.	Amarkantak	M	C	Saxena, 1970; Singh <i>et al.</i> , 2001; Tiwari <i>et al.</i> , 1995
316.	<i>Zingiber capitatum</i> Roxb.	Achanakmar, Lamni	M	C	Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001
317.	<i>Zingiber roseum</i> (Roxb.) Rosc.	Achanakmar Amarkantak, Khudia, Lamni	M	C	Chaubey, <i>et al.</i> , 2003; Murti & Panigrahi, 1999; Singh <i>et al.</i> , 2001; Saxena, 1970

Thus, a total of 1111 species of angiosperms belonging to 595 genera and 133 families are distributed in different ranges of Achanakmar-Amarkantak BR. Of these, 1 species viz. *Bothriochloa grahamii* (Haines) Bor is endemic to this region and 274 species are rare in occurrence. Besides this, there are 19 species are vulnerable, 8 endangered and 1 species is critically endangered (Fig. 2). The various kind of threat is generally due to over exploitation for their use in Ayurvedic medicines as well as due to habitat loss.

2. Faunal Resources: The faunal resources available in the BR are also very rich and varied from soil microbes, helping in decomposition of forest litter, to macrobes like various groups of arthropods (Shadangi and Nath, 2006), scavengers, phytophagous, omnivorous and carnivorous individuals. The identified fauna constitutes 5 species of centipedes, 48 species of butterflies, 36 species of moths, 26 species of beetles, 1 cricket species of orthopoda, 16 species of fishes, 10 species of amphibians, 15 species of reptiles, i.e. snakes and lizards, 142 species of birds and 27 species of mammals. The total number of identified fauna is 326. The BR shelters 55 globally threatened faunal species (categorized as per IUCN). The species reported from different localities of the BR by different authorities have been grouped as hereunder:

A. Arthropods:

Besides various groups of microarthropods (Shadangi and Nath, 2006), the chilopods or centipedes sampled from the different zones of Achanakmar- Amarkantak BR by Zoological Survey of India, Central Regional Station Jabalpur are identified as *Scolopendra moraltans* Linn. from Ataria, Chhapparwa; *Scolopendra amaxonica* (Bucharl.), *Cormocephalus dentipes* (Pocock), *Cormocephalus pilosus* Jangl. and *Rhysida nuda nuda* (Newport) from Amarkantak (Khanna, 2006). All these centipedes were belonging to the family Scolopendridae.

Besides centipedes, variety of millipedes also moves in the sal forest during monsoon. But, no work is available on the millipedes existing in different ranges of the BR.

Studies on other arthropods like insects were also initiated by Zoological Survey of India, Central Regional Station Jabalpur, who identified 82 lepidopteran insects consisting of 48 species of butterflies belonging to 32 genera under 8 families and 34 species of moths belonging to 32 genera under 13 families. Besides this, 2 species of moths were identified by us during the present course of study. The butterflies are diurnal in habit. They visit the flowers and often help in pollination. Their larvae, called caterpillars, feed on the foliage of forest and agricultural crops. The various species identified from Achanakmar-Amarkantak BR are as hereunder:

Table 8. Species of butterflies recorded known from Achanakmar- Amarkantak BR.

S.N.	Name of Species	Distribution in BR	Status*	Reference
A. Butterflies:				
Fam: Papilionidae				
1.	<i>Chilasa clytia</i> (Linn.)	Achanakmar	C	Singh and Chandra, 2006
2.	<i>Graphium nomius nomius</i> (Esper)	Achanakmar	NR	Singh and Chandra, 2006
3.	<i>Papilio polytes romulus</i> Cramer	Achanakmar, Amarkantak	VC	Singh and Chandra, 2006
4.	<i>Papilio demoleus demoleus</i> Linn.	Achanakmar, Amarkantak, Tila idabra	C	Singh and Chandra, 2006



Fig 2. Critically endangered plant, *Rauwolfia serpentina*

Fam: Pieridae				
5.	<i>Anapheis aurota aurota</i> (Fabr.)	Achanakmar	C	Singh and Chandra, 2006
6.	<i>Catopsilia pyranthe</i> <i>pyranthe</i> (Linn.)	Achanakmar	VC	Singh and Chandra, 2006
7.	<i>Catopsilia crocale</i> (Cramer)	Achanakmar, Lamni	VC	Singh and Chandra, 2006
8.	<i>Catopsilia pomana</i> (Fabr.)	Achanakmar	C	Singh and Chandra, 2006
9.	<i>Eurema laeta laeta</i> Boisduval	Achanakmar	C	Singh and Chandra, 2006
10.	<i>Eurema hecabe simulata</i> Moore	Throughout BR	VC	Singh and Chandra, 2006
Fam: Danaidae				
11.	<i>Danaus genutia</i> (Cramer)	Achanakmar, Lamni	VC	Singh and Chandra, 2006
12.	<i>Danaus chrysippus</i> <i>chrysippus</i> (Linn.)	Achanakmar	VC	Singh and Chandra, 2006
13.	<i>Danaus limniace</i> <i>leopardus</i> (Butler)	Achanakmar	C	Singh and Chandra, 2006
14.	<i>Euploea core core</i> (Cramer)	Achanakmar	VC	Singh and Chandra, 2006
Fam: Satyridae				
15.	<i>Melanitis leda ismene</i> (Cramer)	Achanakmar	VC	Singh and Chandra, 2006

16.	<i>Mycalesis mineus</i> (Linn.)	Achanakmar	VC	Singh and Chandra, 2006
17.	<i>Mycalesis lepcha davisoni</i> Moore	Achanakmar	C	Singh and Chandra, 2006
Fam: Nymphalidae				
18.	<i>Athyma perius</i> (Linn.)	Achanakmar	C	Singh and Chandra, 2006
19.	<i>Athyma selenophora</i> (Kollar)	Achanakmar	C	Singh and Chandra, 2006
20.	<i>Charaxes fabius cerynthus</i> Fruhstorfer	Achanakmar	C	Singh and Chandra, 2006
21.	<i>Hypolimnas bolina</i> (Linn.)	Achanakmar	C	Singh and Chandra, 2006
22.	<i>Hypolimnas misippus</i> (Linn.)	Achanakmar	Lc	Gupta and Mondal, 2005; Singh and Chandra, 2006
23.	<i>Moduza procris procris</i> (Cramer)	Achanakmar	C	Singh and Chandra, 2006
24.	<i>Neptis hylas</i> Moore	Achanakmar	C	Singh and Chandra, 2006
25.	<i>Neptis jumbah</i> Moore	Achanakmar	C	Singh and Chandra, 2006
26.	<i>Phaedyma columella</i> (Cramer)	Achanakmar	C	Singh and Chandra, 2006
27.	<i>Precis atlites</i> (Linn.)	Achanakmar	C	Singh and Chandra, 2006
28.	<i>Precis almana almana</i> (Linn.)	Achanakmar	C	Singh and Chandra, 2006
29.	<i>Precis orithya swinhoei</i> Butler	Achanakmar	C	Singh and Chandra, 2006
30.	<i>Precis hierta hierta</i> (Fabr.)	Achanakmar	C	Singh and Chandra, 2006
31.	<i>Precis lemonias lemonias</i> (Linn.)	Achanakmar, Chhapparwa	C	Singh and Chandra, 2006
32.	<i>Precis iphita iphita</i> (Cramer)	Achanakmar	C	Singh and Chandra, 2006
33.	<i>Phalanta phalantha</i> (Drury)	Achanakmar	C	Singh and Chandra, 2006
34.	<i>Symphaedra nais</i> (Forster)	Achanakmar	C	Singh and Chandra, 2006
Fam: Riodinidae/ Erycinidae				
35.	<i>Abisara echerius</i> (Stoll)	Achanakmar	C	Singh and Chandra, 2006
Fam: Lycaenidae				
36.	<i>Castalius rosimon rosimon</i> (Fabr.)	Achanakmar	C	Singh and Chandra, 2006
37.	<i>Euchrysopus phasius</i> Evans	Achanakmar	C	Singh and Chandra, 2006
38.	<i>Narathura (Eumolpus) amantes</i> (Hewitson)	Achanakmar	C	Singh and Chandra, 2006

39.	<i>Narathura (Atrax) atrax</i> (Hewitson)	Achanakmar	C	Singh and Chandra, 2006
40.	<i>Rapala iarbus sorya</i> Fabricius	Achanakmar	C	Singh and Chandra, 2006
41.	<i>Spindasis vulcanus vulcanus</i> Fabr.	Achanakmar	C	Singh and Chandra, 2006
42.	<i>Syntarucus plinius</i> (Fabr.)	Achanakmar	C	Singh and Chandra, 2006
Fam: Hesperidae				
43.	<i>Badamia exclamationis</i> (Fabr.)	Achanakmar	C	Singh and Chandra, 2006
44.	<i>Caprona ransonnetti</i> (Felder)	Achanakmar	C	Singh and Chandra, 2006
45.	<i>Caltois kumara</i> (Moore)	Achanakmar	C	Singh and Chandra, 2006
46.	<i>Caltois farri</i> (Moore)	Achanakmar	C	Singh and Chandra, 2006
47.	<i>Suasus gremius</i> Fabr.	Achanakmar	C	Singh and Chandra, 2006
48.	<i>Spialia galaba</i> (Fabr.)	Achanakmar	C	Singh and Chandra, 2006
49.	<i>Udospes folus</i> (Cramer)	Achanakmar	VC	Singh and Chandra, 2006

The moths are nocturnal in habits. Their larvae are mostly phytophagous. The following species of the moths are recorded from different zones of the BR.

Table 9. Species of moths recorded from Achanakmar-Amarkantak Biosphere Reserve.

S.N.	Name of Species	Distribution in BR	Status*	Reference
Fam: Cossidae				
1.	<i>Xyleutes strix</i> (Linnaeus)	Chhapparwa	C	Chandra <i>et al.</i> , 2006
2.	<i>Zeuzera</i> sp.	Ataria	C	Chandra <i>et al.</i> , 2006
Fam: Pyralidae				
3.	<i>Agathodes ostentalis</i> Hubner	Tilaidobra	C	Chandra <i>et al.</i> , 2006
4.	<i>Diaphania indica</i> (Saunders)	Ataria	C	Chandra <i>et al.</i> , 2006
5.	<i>Nausimoe geometralis</i> (Guenee)	Ataria	C	Chandra <i>et al.</i> , 2006
6.	<i>Sameodes cancellalis</i> (Zeller)	Tilaidobra	C	Chandra <i>et al.</i> , 2006
7.	<i>Spoladea recurvalis</i> (Fabricius)	Tilaidobra	C	Chandra <i>et al.</i> , 2006
8.	<i>Tyspanodes linealis</i> (Moore)	Tilaidobra	C	Chandra <i>et al.</i> , 2006
Fam: Eupterotidae				
9.	<i>Eupterote</i> sp.	Chhapparwa	C	Chandra <i>et al.</i> , 2006
Fam: Saturniidae				
10.	<i>Actias selene</i> (Hubner)	Chhapparwa	C	Chandra <i>et al.</i> , 2006
11.	<i>Antheraea paphia</i>	Marwahi	C	Chandra <i>et al.</i> , 2006

	(Linnaeus) (Syn. <i>A. mylitta</i> Drury)			
Fam: Geometridae				
12.	<i>Hyposidra talaca</i> (Walker)	Marwahi	C	Chandra <i>et al</i> , 2006
13.	<i>Macaria faciata</i> (Fabricius)	Chhapparwa	C	Chandra <i>et al</i> , 2006
Fam: Sphingidae				
14.	<i>Clanis</i> sp.	Ataria	C	Chandra <i>et al</i> , 2006
15.	<i>Marumba dyras dyras</i> (Walker)	Ataria	C	Chandra <i>et al</i> , 2006
16.	<i>Oxyambulyx</i> sp.	Ataria	C	Chandra <i>et al</i> , 2006
17.	<i>Psilogramma menephron menephron</i> (Cramer)	Marwahi	C	Chandra <i>et al</i> , 2006
18.	<i>Theretra alecto alecto</i> (Linnaeus)	Ataria	C	Chandra <i>et al</i> , 2006
19.	<i>Theretra boisduvali</i> (Bugnion)	Chhapparwa	C	Chandra <i>et al</i> , 2006
20.	<i>Theretra oldenlandiae oldenlandiae</i> (Fabricius)	Lamni	C	Chandra <i>et al</i> , 2006
Fam: Noctuidae				
21.	<i>Episparis variabilis</i> Walker	Chhapparwa	C	Chandra <i>et al</i> , 2006
22.	<i>Fodina</i> sp.	Tilaidobra	C	Chandra <i>et al</i> , 2006
23.	<i>Polytela gloriosae</i> Fabricius	Marwahi	C	Chandra <i>et al</i> , 2006
24.	<i>Trisula variegata</i> Moore	Chhapparwa	C	Chandra <i>et al</i> , 2006
Fam: Lymantriidae				
25.	<i>Euproctis</i> sp.	Ataria	C	Chandra <i>et al</i> , 2006
Fam: Notodontidae				
26.	<i>Cerura liturata</i> Walker	Chhapparwa	C	Chandra <i>et al</i> , 2006
27.	<i>Phalera raya</i> Moore	Ataria	C	Chandra <i>et al</i> , 2006
Fam: Agaristidae				
28.	<i>Mimeusemia</i> sp.	Ataria	C	Chandra <i>et al</i> , 2006
Fam: Hypsiidae				
29.	<i>Asota caricae</i> (Fabricius)	Ataria	C	Chandra <i>et al</i> , 2006
Fam: Arctiidae				
30.	<i>Cretonotus lactineus</i> Cramer	Ataria	C	Chandra <i>et al</i> , 2006
31.	<i>Macrobrochis gigas</i> (Walker)	Ataria	C	Chandra <i>et al</i> , 2006
32.	<i>Olepa ricini</i> (Fabricius)	Marwahi	C	Chandra <i>et al</i> , 2006
33.	<i>Phissama transiens</i> (Walker)	Ataria	C	Chandra <i>et al</i> , 2006
Fam: Limacodidae				
34.	<i>Parasa</i> sp.	Ataria	C	Chandra <i>et al</i> , 2006

*C= Common, Lc= Least Concern; VC= Very Common; NR= Near to Rare

Besides this, the following two species are insects were sampled and identified from the different localities of the BR. A brief description on each of them is as hereunder:

1. *Dichocrocis leptalis* Hampson (Lepidoptera: Pyralidae: Pyraustinae)

Length varies from 8 to 10 mm. Wing span varies from 18-24 mm. Bright ochreous, abdomen banded with brownish ochreous. FW with four medial sinuous lines from costal to inner margin. Two post medial black spots at costa on 2nd and 4th sinuous lines. A fine black marginal line is present in both the wings. HW with three sinuous lines. Sample deposited at TFRI under accession No.226. Distribution: Amarkantak. Host: seeds of *Shorea robusta*. Date of collection: 13.07.1998.

2. *Paectes (Ingura) subapicalis* Wlk. (Lepidoptera: Noctuidae: Eutelinae)

Length of male varies from 12-15 mm where as female is 15 mm. The wing span is 28-30 mm in male and 30-36 mm in female. Antennae in male are with very short branches on the outer side. Dark fuscous grayish brown moth with FW double dark antemedial line incurved below the cell and minute very indistinct orbicular and reniform spots, an obscure waved medial line, a double post medial line highly angled outwards beyond the cell and a chocolate patch beyond it on the costa; traces of a pale waved sub-marginal line along with a lunulate marginal line. HW with pale basal area. Abdomen with a long tubular anal tuft. Sample deposited at TFRI vide Accession No. 564. Distribution: Jagatpur, Kabirchabutara. Host: *Shorea robusta*. Date of collection: 17.06.1998.



Fig 3. Moth of *Dichrocrocis*



Fig 4a. Moth of *Paectes subapicalis*



Fig 4b. Larva of *Paectes subapicalis*

Most of the species listed above are common to very common in status. The study needs further taxonomical work including their status because a large number of species like teak defoliator and skeletonizer, which are seen by the project leader, are missing from the reports published by Zoological Survey of India as well as by other investigators. Further, out of 128 species of butterflies listed under schedules as per Wildlife (Protection) Act, 1972 (Anon, 1992), the nymphalid, *Hypolimnas bolina* (Linn.) and *H. misippus* Linn., are common to least concern in status and *Charaxes fabius cerynthus* Fruhstor, as a common species of Achanakmar- Amarkantak BR (Singh and Chandra, 2006). Its allied sub species *C. fabius sulphureus* Roth, which is naturally distributed in Assam, is rare in occurrence (Evans, 1932). It is protected by being kept under schedule II of the Wildlife Protection Act, 1972 (Anon., 1992). Similarly, *Phaedyma columella* (Cramer) is a common species recorded from Achanakmar (Singh and Chandra, 2006). Its subspecies *P. columella birghami*

(Fruhsterfer), which is naturally distributed in Andaman and Nicobar only, is critically endangered (CR) and included under schedule II of the Act. Among Papilionidae, *Chilasa clytia* (Linn.) is a common butterfly known from Achanakmar. Its allied *C. clytia clytia f. commitus* Rothschild, which is naturally distributed in Meghalaya and Sikkim is endangered (EN) as per IUCN (Gupta and Mondal, 2005). *Euploea core core* (Cramer) (Family Danaidae) is very common in Achanakmar (Singh and Chandra, 2006). Its allied *E. core simulatrix* or *E. chimena simulatrix* WM & DeN, which is distributed in south Nicobar Island and categorized as rare, is protected by placing under schedule II. Out of 3 species of Satyridae recorded from Achanakmar, *Mycalesis lepcha davisoni* Moore is common in its status (Singh and Chandra, 2006). However, its allied subspecies *M. lepcha betham* M., which is naturally distributed from Orissa to M.P. (Evans, 1932) and not reported by any authors. It is protected by being kept under schedule II (Anon., 1992).

Other group of insects consists of beetles. Zoological Survey of India and Tropical Forest Research Institute, Jabalpur identified only 24 species of beetles as summarized in the following table from different localities of BR.

Table 10. Species of beetles known from Achanakmar- Amarkantak BR.

S.N.	Name of Species	Distribution in BR	Status*	Reference
A. Beetles:				
Fam: Scarabaeidae				
1.	<i>Adoretus bimarginatus</i> Ohaus	Achanakmar, Chhapparwa	C	Chandra, 2006 a
2.	<i>Adoretus lasiopygus</i> Burmeister	Achanakmar, Chhapparwa	C	Chandra, 2006 a
3.	<i>Adoretus limbatus</i> Blanchard	Achanakmar, Chhapparwa, Keonchi	C	Chandra, 2006 a
4.	<i>Anomala biharensis</i> Arrow	Achanakmar, Chhapparwa	C	Chandra, 2006 a
5.	<i>Anomala dorsalis</i> (Fabricius)	Achanakmar, Marwahi, Keonchi	C	Chandra, 2006 a
6.	<i>Anomala ruficapilla</i> Burmeister	Achanakmar, Chhapparwa	C	Chandra, 2006 a
7.	<i>Anomala rugosa</i> Arrow	Achanakmar, Chhapparwa	C	Chandra, 2006 a
8.	<i>Catharsius molossus</i> (Linnaeus)	Achanakmar, Chhapparwa, Lamni	C	Chandra, 2006 a
9.	<i>Catharsius sagax</i> Queensland	Achanakmar, Marwahi, Keonchi	C	Chandra, 2006 a
10.	<i>Clinteria klugi</i> (Hope)	Achanakmar, Chhapparwa, Jhandidongri	C	Chandra, 2006 a
11.	<i>Gymnopleurus cynaeus</i> (Fabricius)	Achanakmar, Lamni	C	Chandra, 2006 a
12.	<i>Gymnopleurus gemmatus</i> Harold	Achanakmar, Lamni	C	Chandra, 2006 a
13.	<i>Gymnopleurus sinuatus</i> (Olivier)	Achanakmar, Chhapparwa, Atariya range	C	Chandra, 2006 a

14.	<i>Helicopriss bucephalus</i> (Fabricius)	Achanakmar, Atariya	C	Chandra, 2006 a
15.	<i>Holotrichia problematica</i> Brenske	Achanakmar, Chhaparwa, Lamni	C	Chandra, 2006 a
16.	<i>Hybosorus orientalis</i> Westwood	Achanakmar, Chhaparwa	C	Chandra, 2006 a
17.	<i>Mimela inscripta</i> (Nonfried)	Achanakmar, Chhaparwa	C	Chandra, 2006 a
18.	<i>Onthophagus catta</i> (Fabricius)	Achanakmar, Chhaparwa, Motinala	C	Chandra, 2006 a
19.	<i>Onthophagus bonasus</i> (Fabricius)	Achanakmar, Chhaparwa	C	Chandra, 2006 a
20.	<i>Onthophagus pactolus</i> (Fabricius)	Achanakmar, Lamni	C	Chandra, 2006 a
21.	<i>Phyllognathus dionysius</i> (Fabricius)	Achanakmar, Chhaparwa, Keonchi	C	Chandra, 2006 a
22.	<i>Scarabaeus sanctus</i> (Fabricius)	Achanakmar, Ataria, Marwahi	C	Chandra, 2006 a
Fam: Cerambycidae				
23.	<i>Hoplocerambyx spinicornis</i> Newman	Achanakmar, Chada, Jagatpur	C	Anon., 1997; Roychoudhury <i>et al.</i> , 2004; Joshi <i>et al.</i> , 2006
24.	<i>Alaus sordidus</i> Westwood	Achanakmar, Chada, Jagatpur	C	Anon., 1997

*C= Common, R= Rare

Entomologist from TFRI surveyed Jagatpur and identified following two more species of beetles.

1. *Lophosternus indicus* Hope: (Coleoptera: Cerambycidae: Prionini)

Chocolate brown with length varying from 25 to 50 mm. Head darker brown, coarsely punctured. Eyes rather narrow, upper lobe at a distance of at least half of its own width from the antennal tubercle. Antennae in male is three-fourths to five-sixths of the length of the body whereas in female reaching to middle of elytra. First joint reaching to a short distance beyond the hind margin of the eye, third slightly dilated but not sharply angulate at the apex, fourth slightly acute at the apex. Fifth to tenth produced into an acute angular process at apex on the anterior side. Pronotum with 3 marginal spines, closely and finely punctured in front and for some distance back along each side of middle line, closely but more strongly punctured at the side. Hind angles more or less obtuse often rounded off. Elytra more or less rugulose and punctate. Hind breast is bare of pubescence. Sample deposited at TFRI vide Accession No. 551. Distribution: Jagatpur. Date of collection: 28.06.1998.

2. *Macrotoma fisheri* Waterh. (Coleoptera: Cerambycidae: Prioninae: Macrotomini)

Length of the male is 46 mm and female varies from 60 to 66 mm. Antennae reddish brown either longer or shorter than body, usually aspirate or denticulate near the base, 11 jointed. Male antennae, first joint stout, somewhat compressed, third elongated and thickened. Female antennae shorter with first and third joints much less thickened and not aspirate. Basal three joints of antennae are nearly black. Front legs nearly black, the middle and hind legs and all the tarsi piceous. The elytra is yellowish brown and darker at the base. Hind breast clothed with fulvous yellow pubescence. Head

opaque, strongly and closely punctured in front, densely and finely granulate behind. Antennae reach to the apical third of the elytra. First joint rather stout, twice as long as broad, strongly but sparsely punctured, third thick, flattened or slightly channelled above and equal in length to fourth, fifth and half of the sixth. Prothorax with its lateral edges sharply spined converging in nearly straight lines towards the apex. Elytra parallel-sided, scarcely wider than base of the prothorax. Finely granulate near scutellum. Legs are somewhat spinous beneath. The front femora are very rough. Abdomen is slightly glossy. Sample deposited at TFRI vide Accession No. 553. Distribution: Jagatpur. Date of collection: 28.06.1998.

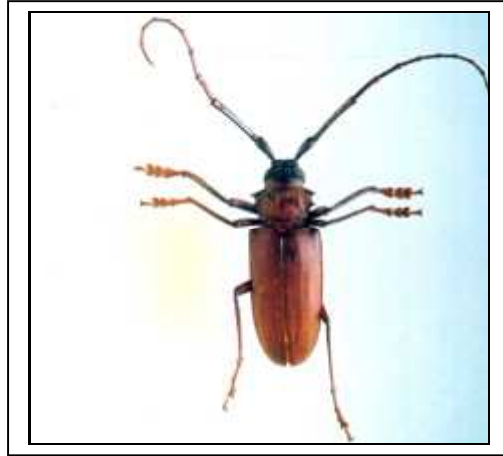


Fig 5. *Lophosternus indicus*



Fig 6. *Macrotoma fisheri*

Thus, there are 26 species of beetles belonging to 16 genera under two families of beetles. The gathered information from various sources still appears incomplete, due to lack of identity of many species of beetles belonging to the family Anthribidae, Bostrychidae, Cerambycidae, Chrysomelidae, Cantheridae, Scolytidae, Curculionidae, Coccinellidae, Elateridae, Platypodidae, etc.

A monster cricket *Schizodactylus monstrosus* (Drury) was also reported by Chandra and Gupta (2005) from Achanakmar. The species is rare in habit.

The information about other group of insect arthropods like bees, wasps, dragon and mayflies, mantids, grasshoppers, termites, flies and others like crustaceans, spiders and mites, etc. is still unexplored. Studies on mollusks existing in the BR are also untouched and provide ample scope for their taxonomical and ecological studies.

B. Vertebrate fauna:

Different classes of vertebrates known from the Achanakmar- Amarkantak BR are Pisces, amphibian, reptiles, aves and mammals. A brief about each of them is as hereunder:

Pisces:

These are fresh water inhabiting in running streams and ponds existing in core, buffer and transition zones of Achanakmar-Amarkantak BR. On the basis of published literature, there are 16 species of Pisces belonging to 13 genera under 8 families as detailed below:

Table 11. Species of pisces recorded from different reservoirs and rivers under BR and their status.

S.N.	Name of Species	Distribution in BR	Status*	Reference
Fam: Channidae				
1.	Giant Snake- head Murrel, <i>Channa marulius</i> (Buch. – Ham.)	Achanakmar	LR-nt	Chandra, 2006 b
Fam: Clariidae				
2.	Air breathing cat fish, <i>Clarias batrachus</i> (Linnaeus)	Achanakmar	VU	Chandra, 2006 b
Fam: Cyprinidae				
3.	Indian Carplet, <i>Amblypharyngodon mola</i> (Hamilton-Buchaman)	Achanakmar	LR-lc	Chandra, 2006 b
4.	Catla, <i>Catla catla</i> (Ham. – Buch.)	Achanakmar	VU	Chandra, 2006 b
5.	Mrigal, <i>Cirrhinus mrigala</i> (Ham. – Buch.)	Achanakmar	LR-nt	Chandra, 2006 b
6.	Flying Barb, <i>Esomus danricus</i> (Ham. – Buch.)	Achanakmar	LR-lc	Chandra, 2006 b
7.	Bata, <i>Labeo bata</i> (Ham.- Buch.)	Achanakmar	LR-nt	Chandra, 2006 b
8.	Orange Fin Labeo or Kalbasu, <i>Labeo calbasu</i> (Ham. -Buch.)	Ponds and dams of BR	LR-nt	Chandra, 2006 b
9.	Rohu, <i>Labeo rohita</i> (Ham. – Buch.)	Maniari Dam	LR-nt	Chandra, 2006 b
10.	Olive Carp, <i>Puntius sarana sarana</i> (Ham. – Buch.)	Achanakmar	VU	Chandra, 2006 b
11.	Stigma Barb, <i>Puntius sophore</i> (Ham. – Buch.)	Achanakmar	LR-nt	Chandra, 2006 b
Fam: Gobiidae				
12.	Bar-eyed Goby, <i>Glossogobius giuris</i> (Ham. – Buch.)	Achanakmar	LR-nt	Chandra, 2006 b
Fam: Nandidae				
13.	<i>Nandus nandus</i> (Ham. – Buch)	Achanakmar	LR-nt	Chandra, 2006 b
Fam: Notopterygidae				
14.	Chital, <i>Notopterus chitala</i> (Ham. – Buch)	Achanakmar	EN	Chandra, 2006 b
Fam: Heteropneustidae				
15.	Stinging Catfish, <i>Heteropneustes fossilis</i> (Bloch.)	Achanakmar	VU	Chandra, 2006 b
Fam: Siluridae				

16.	Fresh water Shark, <i>Wallago attu</i> (Schneider)	Achanakmar	LR-nt	Chandra, 2006 b
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*C= Common, LR-lc= Lower risk least concern, LR-nt=Lower risk near threatened, EN= Endangered, VU=Vulnerable

Out of 16 species of pisces, *Notopterus chitala* (Ham.-Buch), commonly known as chital or mohi, is silvery, dark along the back, and distributed in fresh water of Achanakmar- Amarkantak BR of Chhattisgarh. It is reported as endangered in the BR. Stinging catfish *Heteropneustes fossilis* (Bloch.), Olive carp *Puntius sarana sarana* (Ham.-Buch.), Catla *Catla catla* (Ham.-Buch.) and *Clarias batrachus* (Linnaeus) are vulnerable in their status and deserve for protection.

Amphibians:

These cold blooded vertebrates are insectivorous in habits. Zoological Survey of India, Jabalpur studied the amphibians existing in different localities of the BR. The distribution of different species and their status are summarized in the following table:

Table 12 . Species of amphibians recorded from Achanakmar- Amarkantak BR.

S.N.	Name of Species	Distribution in BR	Status	Reference
Fam: Ranidae				
1.	Indian Skipping Frog, <i>Euphlyctis cyanophlyctis</i> (Schneider)	Chhapparwa, Ataria	LR-nt	Chandra and Pandey, 2004; Chandra, 2006 b
2.	Indian Bull Frog, <i>Hoplobatrachus tigerinus</i> (Daudin)	Chhapparwa, Ataria	VU	Chandra and Pandey, 2004; Chandra, 2006 b
3.	Leith's Frog, <i>Indirana leithii</i> (Boulenger)	Diyawan Pahari, Achanakmar	VU	IUCN 2001; Chandra and Pandey, 2004; Chandra, 2006 b
4.	Cricket Frog, <i>Limnectes limnocharis</i> (Boie)	Amarkantak, Chhapparwa, Manjhi-Dongri	VU	Chandra and Pandey, 2004; Chandra, 2006 b
5.	<i>Tomopterna breviceps</i> (Schneider)	Manjhi- Dongri, Amarkantak, Chhapparwa	C	Chandra and Pandey, 2004
Fam: Hylidae				
6.	Marbled Balloon Frog, <i>Uperodon systoma</i> (Schneider)	Manjhi -Dongri, Amarkantak, Chhapparwa, Lamni	LR-nt	Chandra and Pandey, 2004; Chandra, 2006 b
7.	<i>Microhyla ornata</i> (Dumeril and Bibron)	Manjhi- Dongri, Amarkantak, Chhapparwa, Lamni	C	Chandra and Pandey, 2004
8.	Indian Tree Frog, <i>Polypedates maculatus</i> (Grey)	Kewachi, Manjhi- Dongri	LR-lc	Chandra and Pandey, 2004; Chandra, 2006 b
9.	Sacred Grove Bush Frog, <i>Philautus sanctisilvaticus</i> Das & Chanda	Amarkantak	CR	Das & Chandra, 1997; IUCN 2001
Fam: Bufonidae				

10.	Common Asian Toad, <i>Bufo melanostictus</i> Schneider	Amarkantak, Chhapparwa	C	Chandra and Pandey, 2004; Chandra, 2006 b
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*C= Common, LR-lc= Lower risk least concern, LR-nt=Lower risk near threatened, EN= Endangered, VU=Vulnerable

The population of *Philautus sanctisilvaticus* Das and Chandra, is decreasing and it is categorized as “Critically Endangered” (CR) globally as per IUCN 2001. Leith’s Frog *Indirana leithii* (Boulenger) and the Cricket frog *Limnectes limnocharis* (Boie.) are the vulnerable species of amphibians reported from different localities of BR and need attention for the protection.

Reptiles:

Reptiles consisting of lizards and snakes are cold blooded animals. Most of them are insectivorous, excepting a few who feed on amphibians, reptiles, birds and mammals. The species reported from different areas of Achanakmar- Amarkantak BR and their status are summarized in the following table.

Table 13. Species of lizards and snakes reported from Achanakmar- Amarkantak BR

S.N.	Name of Species	Distribution in BR	Status*	Reference
Fam: Gekkonidae				
1.	Kolegal ground gecko, <i>Cyrtodactylus kollegalensis</i> (Beddome)	Manjhi -Dongri	LR-lc	Chandra and Pandey, 2005; Chandra, 2006 b
2.	<i>Hemidactylus brookii</i> Grey	Chhapparwa, Maniyari river	C	Chandra and Pandey, 2005
Fam: Agamidae				
3.	Indian Garden Lizard, <i>Calotes versicolor</i> (Daudin)	Diyawan	VC	Chandra and Pandey, 2005
4.	<i>Psammophilus blanfordanus</i> (Stoliczka)	Manjhi- Dongri	C	Chandra and Pandey, 2005
5.	Fan Throated Lizard, <i>Sitana ponticeriana</i> Cuvier	Marwahi Bharosang, Khudiya dam	LR-lc	Chandra and Pandey, 2005; Chandra, 2006 b
Fam: Scincidae				
6.	Keeled Grass Skink, <i>Mabuya carinata</i> (Schneider)	Chhapparwa, Atariya	LR-lc	Chandra and Pandey, 2005
7.	Bronze Grass Shink, <i>Mabuya macularius</i> (Blyth)	Maniyari river, Chhapparwa, Atariya	VC	Chandra and Pandey, 2005
Fam: Varanidae				
8.	Bengal Monitor, <i>Varanus bengalensis</i> (Linnaeus)	Jhandi road, Bilaspur	VU	Chandra and Pandey, 2005

Fam: Boidae				
9.	Indian Rock Python, <i>Python molurus molurus</i> (Linnaeus)	Khudiya dam, Lamni	LR-nt	IUCN, 2002; Chandra and Pandey, 2005
Fam: Elapidae				
10.	Common Indian Krait, <i>Bungarus caeruleus</i> (Schneider)	Atariya	LR-nt	Chandra and Pandey, 2005; Chandra, 2006 b
Fam: Colubiridae				
11.	Buf -striped Keelback, <i>Amphiesma stolata</i> (Linnaeus)	Sarasdol road	LR-nt	Chandra and Pandey, 2005; Chandra, 2006 b
12.	Bronzeback tree snake, <i>Dendrelaphis tristis</i> Daudin	Sahastradhara	LR-lc	Kakiarasan <i>et al.</i> , 1991, Chandra, 2006 b
13.	Common Wolf Snake, <i>Lycodon aulicus</i> (Linnaeus)	Satta pani, Bilaspur	LR-lc	Chandra and Pandey, 2005; Chandra, 2006 b
14.	Indian Rat Snake, <i>Ptyas mucosus mucosus</i> (Linnaeus)	Atariya	LR-nt	Chandra and Pandey, 2005; Chandra, 2006 b
15.	Checkered Keel-back Water Snake <i>Xenochrophis piscator</i> (Schneider)	Bharosang, Marwahi	LR-lc	Chandra and Pandey, 2005; Chandra, 2006 b

* C= Common, LR-nt= Low risk- near threatened, LR-lc= Low risk- least concern, VC= Very common, VU= Vulnerable

Bengal monitor *Varanus bengalensis* (Linnaeus) is a vulnerable species whereas the rock python *Python molurus molurus* (Linnaeus) is in Lower risk near threatened category as per IUCN 2002. Common Krait *Bungarus caeruleus* (Schneider), Buf- striped keel back *Amphiesma stolata* (Linnaeus) and Rat snake *Ptyas mucosus mucosus* (Linnaeus) are reported as Lower risk near threatened (LR-nt) by some authors (Chandra and Pandey, 2005, Chandra, 2006 b). The species of snakes like Branded Krait *Bangarus multicinctus* Blyth and the Cobra *Naja naja* (Linn.) are not reported by any authors, though, they are seen during monsoon. Thus, further exploration on this line is also required.

Aves:

Aves or birds are warm blooded vertebrates. Feathers on the body assist birds in maintaining an even temperature. They are able to withstand great extremes of climate. In all, 142 species of birds belonging to 52 families are known from different localities of Achanakmar- Amarkantak BR (Chandra, 2006 b). Most of these birds are common in their status and protected by being placed in schedules as per Wildlife (Protection) Act 1972 (Anon, 1992). A few species existing in the BR are categorized globally as Critically Endangered (CR) like the Asian White-backed Vulture *Gyps (Pseudogyps) bengalensis* (Gmelin); Vulnerable (VU) like the Saras Crane *Grus (Antigone) antigone* (Linnaeus), Lower Risk –near threatened (LR-nt) like *Aythya nyroca* (Guldenstadt), *Torgos (Sarcogyps) calvus* (Scopoli) and *Esacus magnirostris recurvirostris* (Cuvier) as per IUCN categorization 2002.

Table 14 . Different species of birds known from Achanakmar- Amarkantak BR

S.N.	Name of Species	Distribution in BR	Status*	Reference
Fam: Anatidae				
1.	Bar-headed Goose, <i>Anser indicus</i> (Latham)	Manihari Dam	C	Ali, 1946; Chandra, 2006b
2.	Pintail, <i>Anas acuta</i> Linnaeus	-	C	Ali, 1996; Chandra, 2006b
3.	Spot Bill Duck, <i>Anas poecilorhyncha poecilorhyncha</i> J.R. Forster	Manihari Dam	C	Ali, 1946; Chandra, 2006b
4.	Gadwall, <i>Anas strepera strepera</i> Linnaeus	-	C	Ali, 1996; Chandra, 2006b
5.	Common Pochard, <i>Aythya ferina</i> (Linnaeus)	-	C	Ali, 1996; Chandra, 2006b
6.	White eyed Pochard or Ferruginous Duck, <i>Aythya nyroca</i> (Guldenstadt)	-	LR-nt	IUCN, 2002; Chandra, 2006b
7.	Tufted Pochard, <i>Aythya fuligula</i> (Linnaeus)	-	C	Chandra, 2006b
8.	The Cotton Teal, <i>Nettapus coromandelianus</i> (Gmelin)	Manihari Dam	C	Ali, 1946; Chandra, 2006b
9.	The Comb Duck, <i>Sarkidiornis melanotos</i> (Pennant)	Manihari Dam	C	Ali, 1946; Chandra, 2006b
10.	Brahminy Duck, <i>Tadorna ferruginea</i> (Pallas) (Syn. <i>Casarca ferruginea</i> (Vroeg.))	-	C	Ali, 1946; Chandra, 2006b
Fam: Alcedimidae (Kingfisher)				
11.	The Common Kingfisher, <i>Alcedo atthis</i> (Linnaeus)	-	C	Ali, 1946; Chandra, 2006b
12.	Lesser Pied Kingfisher, <i>Ceryle rudis</i> (Linnaeus)	-	C	Ali, 1946; Chandra, 2006b
13.	The White-breasted Kingfisher, <i>Halcyon smymensis</i> (Linnaeus)	-	C	Ali, 1946; Chandra, 2006b
Fam: Accipitridae (Hawkers, Eagles)				
14.	The Marsh Harrier, <i>Circus aeruginosus</i> (Linnaeus)	-	C	Ali, 1946
15.	Black-winged Kite, <i>Elanus caeruleus</i> (Desfontaines)	-	C	Ali, 1946
16.	Asian White-backed Vulture, <i>Gyps (Pseudogyps) bengalensis</i> (Gmelin)	-	CR	Ali, 1946; IUCN, 2002; Chandra, 2006b
17.	Common Pariah Kite, <i>Milvus migrans govinda</i> (Boddaert)	-	C	Ali, 1946
18.	The White Scavenger Vulture, <i>Neophron percnopterus</i> (Linnaeus)	-	C	Ali, 1946

19.	Indian Black Vulture or King Vulture, <i>Torgos (Sarcogyps) calvus</i> (Scopoli)	-	LR-nt	Ali, 1946; ; IUCN, 2002; Chandra, 2006b
Fam: Ardeidae (Egret, Herons)				
20.	The Grey Heron, <i>Ardea cinerea</i> (Linnaeus)	-	C	Ali, 1946; Chandra, 2006b
21.	Purple Heron, <i>Ardea purpurea manilensis</i> Meyen	-	C	Chandra, 2006b
22.	Indian Pond Heron or Paddy Bird, <i>Ardeola grayii grayii</i> (Sykes)	-	C	Ali, 1946; Chandra, 2006b
23.	Cattle Egret, <i>Bubulcus ibis coromandus</i> (Boddaert)	Lamni, Lormi	C	Ali, 1946; Chandra, 2006b
24.	Little Egret, <i>Egretta garzetta garzetta</i> (Linnaeus)	Lamni, Lormi	C	Ali, 1946; Chandra, 2006b
Fam: Alaudidae (Larks)				
25.	Ashy-Crown Finch Lark, <i>Eremopterix grisea</i> (Scopoli)	-	C	Ali, 1946; Chandra, 2006b
26.	The Crested Lark, <i>Galerida cristata chendoola</i> (Franklin)	-	C	Ali, 1946; Chandra, 2006b
Fam: Apodidae (Swifts)				
27.	House Swift, <i>Apus (Micropus) affinis</i> Gray	-	C	Ali, 1946
28.	White Rumped Spinetail, <i>Chaetura sylvatica</i> (Tickell)	-	C	Ali, 1996
Fam: Bucerotidae (Hornbills)				
29.	Indian Pied Hornbill, <i>Anthracoceros malabaricus malabaricus</i> (Gmelin)	-	C	Ali, 1996; Chandra, 2006b
30.	Common Grey Hornbill, <i>Tockus birostris</i> (Scopoli)	-	C	Ali, 1946
Fam: Burhinidae (Stone Plovers)				
31.	Stone- Curlew, <i>Burhinus oedicephalus indicus</i> (Salvadori)	-	C	Ali, 1946; Chandra, 2006b
32.	Great Stone Plover, <i>Esacus magnirostris recurvirostris</i> (Cuvier)	-	LR-nt	Ali, 1996; IUCN, 2002; Chandra, 2006b
Fam: Campiphagidae (Cuckoo-shrikes)				
33.	Large Cuckoo Shrike, <i>Coracina novaehollandia</i> (Gmelin)	-	C	Ali, 1996
34.	Orange Minivet, <i>Pericrocotus flammeus flammeus</i> (Forster)	-	C	Ali, 1946; Chandra, 2006 b
35.	Small Minivet, <i>Pericrocotus cinnamomeus cinnamomeus</i> (Linnaeus)	-	C	Ali, 1996; Chandra, 2006 b
Fam: Charadriidae (Sand Piper Snipes)				
36.	Jack snipe, <i>Capella minima</i> (Brunnich)	-	C	Chandra, 2006 b
37.	Black tailed Godwit, <i>Limosa limosa</i>	-	C	Ali, 1996

	(Linnaeus)			
38.	Sand Piper, <i>Tringa totanus</i> (Linnaeus)	-	C	Ali, 1946
39.	Common Sand Piper, <i>Tringa</i> (<i>Actitis</i>) <i>hypoleucos</i> Linnaeus	-	C	Ali, 1946; Chandra, 2006 b
40.	Red Wattled Lapwing, <i>Vanellus</i> (<i>Lobivanellus</i>) <i>indicus</i> (Boddaert)	-	C	Ali, 1946
41.	The Yellow Wattled Lapwing, <i>Vanellus malabarica</i> (Boddaert)	-	C	Ali, 1946
Fam: Ciconiidae (Storks)				
42.	White- necked Stork, <i>Ciconia</i> (<i>Dissoura</i>) <i>episcopus episcopus</i> (Boddaert)	-	C	Ali, 1946; Chandra, 2006 b
Fam: Columbidae (Pigeons, Doves)				
43.	Indian Emerald or Bronzewinged Dove, <i>Chalcophaps indica indica</i> (Linnaeus)	-	C	Ali, 1996; Chandra, 2006 b
44.	Indian Spotted Dove, <i>Streptopelia</i> <i>chinensis suratensis</i> (Gmelin)	Chhapparwa, Lamni, Tilaidobra, Shivtarai	C	Ali, 1946; Chandra, 2006 b
45.	Red-Turtle Dove, <i>Streptopelia</i> <i>tranquebarica</i> Hermann	-	C	Ali, 1946; Chandra, 2006 b
46.	Common Green Pigeon, <i>Treron</i> (<i>Crocopus</i>) <i>phoenicoptera</i> <i>phoenicoptera</i> (Latham)	Achanakmar, Lamni	C	Ali, 1946; Tiwari, 1997; Chandra, 2006 b
Fam: Caprimulgidae (Nightjar)				
47.	Jungle Nightjar, <i>Caprimulgus</i> <i>indicus indicus</i> Latham	-	C	Ali, 1996; Chandra, 2006 b
48.	The Little Indian Nightjar, <i>Caprimulgus asiaticus asiaticus</i> Latham	Throughout BR	C	Ali, 1946; Chandra, 2006 b
49.	Franklin's or Allied Nightjar, <i>Caprimulgus affinis monticola</i> Franklin	-	C	Ali, 1996; Chandra, 2006 b
Fam: Coraciidae (Rollers)				
50.	Northern Roller or Blue Jay, <i>Coracias benghalensis benghalensis</i> (Linnaeus)	-	C	Ali, 1946; Chandra, 2006 b
Fam: Corvidae (Crows)				
51.	Indian Jungle -Crow, <i>Corvus</i> <i>macrorhynchus</i> Wagler	Throughout BR	C	Ali, 1946; Chandra, 2006 b
52.	The House Crow, <i>Corvus splendens</i> <i>splendens</i> Vieillot	Amarkantak, Lamni	C	Ali, 1946; Chandra, 2006 b
53.	The Tree- Pie, <i>Dendrocitta</i> <i>vagabunda vagabunda</i> (Latham)	Amarkantak, Jagatpur	C	Ali, 1946; Chandra, 2006 b
Fam: Cuculidae (Cuckoos)				
54.	Indian Cuckoo, <i>Cuculus</i>	-	C	Ali, 1946;

	<i>micropterus micropterus</i> Gould			Chandra, 2006 b
55.	Common Hawk-Cuckoo or Brain fever Bird, <i>Cuculus (Heirococcyx) varius</i> (Vahl)	-	C	Ali, 1946; Chandra, 2006 b
56.	Pied Crested Cuckoo, <i>Clamator jacobinus serratus</i> (Sparman)	-	C	Ali, 1946; Chandra, 2006 b
57.	The Crow-Pheasant or Coucal, <i>Centropus sinensis parroti</i> Stresemann	-	C	Ali, 1946; Chandra, 2006 b
58.	The Koel, <i>Eudynamis scolopacea scolopacea</i> (Linnaeus)	Lammi	C	Ali, 1946; Chandra, 2006 b
Fam: Dicuridae (Drongos)				
59.	King Crow or South Indian Black Drongo, <i>Dicrurus adsimilis macrocercus</i> Vieillot (Syn. <i>D. macrocercus</i> Vieillot)	-	C	Ali, 1946; Chandra, 2006 b
60.	Southern Large Racket-tailed Drongo, <i>Dicrurus paradiseus paradiseus</i> (Linnaeus)	-	C	Ali, 1946; Chandra, 2006 b
Fam: Emberizidae				
61.	Crested Bunting, <i>Melophus lathamii</i> (Gray)	-	C	Ali, 1946; Chandra, 2006 b
Fam: Falconidae (Falcons)				
62.	The Kestrel, <i>Falco tinnunculus</i> Linnaeus	-	C	Ali, 1946; Chandra, 2006 b
Fam: Glareolidae (Coursers)				
63.	The Indian Courser, <i>Cursorius coromandelicus</i> (Gmelin)	-	C	Ali, 1946
Fam: Gruidae (Cranes)				
64.	Saras Crane, <i>Grus (Antigone) antigone</i> (Linnaeus)	-	VU	Ali, 1946; IUCN, 2002; Chandra, 2006 b
Fam: Hirundinidae				
65.	Dusky Crag Martin, <i>Hirundo (Riparia) concolor</i> Sykes	-	C	Ali, 1946
66.	The Indian Wire-tailed Swallow, <i>Hirundo smithii</i> Leach	-	C	Ali, 1946
67.	Indian Cliff Swallow, <i>Hirundo fulvicola</i> Blyth	-	C	Ali, 1996
Family: Irenidae (Ioras)				
68.	Gold fronted Bulbul, <i>Chloropsis aurifrons</i> (Temminck)	-	C	Ali, 1946; Chandra, 2006 b
69.	Gold Mantled Chloropsis, <i>Chloropsis cochinchinensis</i> (Gmelin)	-	C	Ali, 1996; Chandra, 2006 b
Fam: Jacanidae (Jacanas)				
70.	The Pheasant-tailed Jacana, <i>Hydrophasianus chirugus</i> (Scopoli)	-	C	Ali, 1946; Chandra, 2006 b
71.	The Bronze-winged Jacana, <i>Metopidius indicus</i> (Latham)	-	C	Ali, 1946; Chandra, 2006 b

Fam: Lanidae (Shrikes)				
72.	The Bay- backed Shrike, <i>Lanius vittatus</i> Valenciennes	-	C	Ali, 1996
73.	The Rufous- backed Shrike, <i>Lanius schach</i> Linnaeus	-	C	Ali, 1996
Fam: Lariidae (Torus)				
74.	The River Tern, <i>Sterna aurantia</i> Gray	-	C	Ali, 1996
Fam: Megalaimidae Or Capitonidae (Barbets)				
75.	Crimson – throated Barbet <i>Megalaima haemacephala indica</i> (Latham)	-	C	Ali, 1996; Chandra, 2006 b
76.	Large Green Barbet, <i>Megalaima zeylanica caniceps</i> (Franklin)	-	C	Chandra, 2006 b
Fam: Meropidae (Bee Eaters)				
77.	The Common or Green Bee- eater, <i>Merops orientalis</i> Latham	-	C	Ali, 1946
Fam: Motacillidae (Wagtails & Pipits)				
78.	Indian Tree Pipit, <i>Anthus hodgsoni</i> Richmond	-	C	Ali, 1996; Chandra, 2006 b
79.	Paddy Field Pipit, <i>Anthus novaezeelandiae waitei</i> Gmelin	-	C	Ali, 1996; Chandra, 2006 b
80.	The White Wagtail, <i>Motacilla alba alba</i> Linnaeus	-	C	Ali, 1946
81.	Yellow- headed Wagtail, <i>Motacilla citreola</i> Pallas	-	C	Ali, 1996
82.	The Large Pied Wagtail, <i>Motacilla maderaspatensis</i> Gmelin	-	C	Ali, 1946
Fam: Muscipidae (Fly catchers)				
83.	The Shama, <i>Copsychus malabaricus</i> (Scopoli) (Syn. <i>Kittacincla malabarica</i> (Scopoli))	Achanakmar	C	Ali, 1946
84.	The Magpie-Robin or Dhayal, <i>Copsychus saularis</i> (Linnaeus)	-	C	Ali, 1946
85.	The Blue Rock- Thrush, <i>Monticola solitarius pandoo</i> (Sykes) (Syn. <i>M. solitaria</i> (Linnaeus))	-	C	Ali, 1946; Chandra, 2006 b
86.	Tickell's Redbreasted Blue Fly catcher, <i>Muscicapa tickelliae tickelliae</i> (Blyth)	-	C	Ali, 1946; Chandra, 2006 b
87.	Tailor Bird, <i>Orthotomus sutorius</i> (Pernant)	-	C	Ali, 1946
88.	The Ashy Wren-Warbler, <i>Prinia socialis</i> Sykes	Amarkantak	C	Ali, 1946
89.	Jungle Wren- Warbler, <i>Prinia sylvatica</i> Jerdon	-	C	Ali, 1996
90.	White browed Fantail Fly catcher, <i>Rhipidura (Leucocirca) aureola aureola</i> Lesson	-	C	Ali, 1946; Chandra, 2006 b
91.	The Pied Bush- Chat, <i>Saxicola</i>	-	C	Ali, 1946

	<i>caprata</i> (Linnaeus)			
92.	The Indian Robin, <i>Saxicoloides fulicata</i> (Linnaeus)	-	C	Ali, 1946
93.	Peninsular Indian Paradise Flycatcher, <i>Terpsiphone paradisi</i> (Linnaeus)	-	C	Ali, 1946; Chandra, 2006 b
Fam: Nectariniidae				
94.	Purple Sunbird, <i>Nectarinia asiatica asiatica</i> (Latham) (Syn. <i>Cinnyris asiatica</i> (Latham))	-	C	Ali, 1946; Chandra, 2006 b
95.	Purple- Rumped Sunbird, <i>Nectarinia zeylonica</i> (Linnaeus) (Syn. <i>Cinnyris zeylonica</i> (Linnaeus))	-	C	Ali, 1946; Chandra, 2006 b
Fam: Orioiidae (Orioles)				
96.	Golden Oriole, <i>Oriolus oriolus kundoo</i> Sykes	-	C	Ali, 1946; Chandra, 2006 b
97.	The Black headed Oriole, <i>Oriolus xanthornus</i> (Linnaeus)	-	C	Ali, 1946; Chandra, 2006 b
Fam: Paridae				
98.	Indian Grey Tit, <i>Parus major stupae</i> Koelz.	-	C	Ali, 1946; Chandra, 2006 b
Fam: Phalacrocoracidae (Cormorants, Darters)				
99.	Little Cormorant, <i>Phalacrocorax niger</i> (Vieillot)	-	C	Ali, 1946; Chandra, 2006 b
100.	Indian Shag, <i>Phalacrocorax fuscicollis</i> Stephens	-	C	Ali, 1946; Chandra, 2006 b
Fam: Phasianidae (Pheasants)				
101.	The Common or Grey Quail, <i>Coturnix coturnix</i> (Linnaeus)	Achanakmar	C	Ali, 1946; Tiwari, 1997; Chandra, 2006 b
102.	The Painted Partridge, <i>Francolinus pictus</i> (Jardine & Selby)	Achanakmar	C	Ali, 1946; Tiwari, 1997; Chandra, 2006 b
103.	South Indian Grey Partridge, <i>Francolinus pondicerianus pondicerianus</i> (Gmelin)	Achanakmar	C	Ali, 1946; Tiwari, 1997; Chandra, 2006 b
104.	The Red Jungle-fowl, <i>Gallus gallus murghi</i> Robinson & Kloss	Lamni, Achanakmar	C	Ali, 1946; Tiwari, 1997; Chandra, 2006 b
105.	The Common Peafowl, <i>Pavo cristatus</i> Linnaeus	Lamni	C	Ali, 1946; Chandra, 2006 b
106.	The Jungle Bush- Quail, <i>Perdicula asiatica asiatica</i> (Latham)	-	C	Ali, 1946; Chandra, 2006 b
Fam: Picidae (Woodpeckers)				
107.	Northern or Lesser Golden- backed Woodpecker, <i>Dinopium benghalense benghalense</i> (Linnaeus) (Syn. <i>Brachypternus benghalensis</i>) (Linnaeus)	Achanakmar, Lamni, Tilaidobra	C	Ali, 1946; Chandra, 2006 b

108.	Rufous-Woodpecker, <i>Micropternus brachyurus phaiiceps</i> Blyth	-	C	Ali, 1996; Chandra, 2006 b
109.	Yellow- fronted Pied, <i>Picoides mahrattensis mahrattensis</i> (Latham) (Syn. <i>Dryobates mahrattensis</i>) (Latham))	-	C	Ali, 1946; Chandra, 2006 b
110.	Southern Brown-crowned Pygmy Woodpecker, <i>Picoides (Dendrocopos) nanus hardwickii</i> (Jerdon)	-	C	Chandra, 2006 b
Fam: Pittidae				
111.	Indian Pitta, <i>Pitta brachyura brachyura</i> (Linnaeus)	-	C	Ali, 1946; Chandra, 2006 b
Fam: Ploceidae a. Passerinae				
112.	Yellow-throated sparrow, <i>Petronia (Gymnorhis) xanthocollis</i> (Burton)	-	C	Ali, 1946
113.	The House- sparrow, <i>Passer domesticus</i> (Linnaeus)	Amarkantak, Karanjia, Gorakhpur, Chhapparwa	C	Ali, 1946
b. Ploceinae				
114.	The Baya or Common Weaver-Bird, <i>Ploceus philippinus philippinus</i> (Linnaeus)	-	C	Ali, 1946; Chandra, 2006 b
c. Estrildinae				
115.	White- throated Munia, <i>Lonchura (Uroloncha) malabarica</i> (Linnaeus)	-	C	Ali, 1946; Chandra, 2006 b
116.	Spotted Munia, <i>Lonchura (Uroloncha) punctulata punctulata</i> (Linnaeus)	-	C	Ali, 1946; Chandra, 2006 b
Fam: Podicipedidae (Grebes)				
117.	Dabchick, <i>Podiceps ruficollis capensis</i> (Pallas)	-	C	Ali, 1946; Chandra, 2006 b
Fam: Psittacidae (Parakeets)				
118.	The Rose-ringed parakeet, <i>Psittacula krameri manillensis</i> (Bechstein)	-	C	Ali, 1946; Chandra, 2006 b
119.	Large Indian Parakeet, <i>Psittacula eupatria eupatria</i> (Linnaeus)	-	C	Ali, 1946; Chandra, 2006 b
120.	Southern Blossom- headed Parakeet, <i>Psittacula cyanocephala cyanocephala</i> (Linnaeus)	-	C	Ali, 1946; Chandra, 2006 b
Fam: Pterodidae (Sandgrouse)				
121.	Indian Sandgrouse, <i>Pterocles exustus erlangeri</i> (Neuman)	Chhapparwa	C	Ali, 1946; Tiwari, 1997
Fam: Pycnonotidae				
122.	Red- vented Bulbul, <i>Pycnonotus (Molpastes) cafer humayuni</i> Deignan	Amarkantak	C	Ali, 1946; Chandra, 2006 b

Fam: Rallidae (Hens, Moore)				
123.	The White-breasted Waterhen, <i>Amauornis phoenicurus chinensis</i> (Boddaert)	-	C	Ali, 1946; Chandra, 2006 b
124.	Brown Crake, <i>Amauornis akool akool</i> (Sykes)	-	C	Chandra, 2006b
125.	The Coot, <i>Fulica atra atra</i> Linnaeus	-	C	Ali, 1946; Chandra, 2006 b
126.	The Indian Moorhen, <i>Gallinula chloropus indica</i> (Blyth.)	-	C	Ali, 1946; Chandra, 2006 b
127.	Purple Moorhen, <i>Porphyrio porphyrio</i> (Linnaeus)	-	C	Chandra, 2006 b
Fam: Scolopacidae				
128.	Wood snipe, <i>Gallinago nemoricola</i> Hodgson	Amarkantak	C	McC.Clive, 1928
Fam: Sittidae				
129.	The chestnut-bellied Nuthatch, <i>Sitta castanea</i> Lesson	Amarkantak, Jagatpur	C	Ali, 1946; Chandra, 2006 b
Fam: Strigidae (Owls)				
130.	Southern Spotted Owlet, <i>Athene brama brama</i> (Temminck)	-	C	Ali, 1946; Chandra, 2006 b
131.	The Indian Great Horned - Owl, <i>Bubo bubo bengalensis</i> (Franklin)	Lamni	C	Ali, 1946; Chandra, 2006 b
132.	The Brown Fish-Owl, <i>Bubo (Ketupa) zeylonensis leschenault</i> (Gmelin)	-	C	Ali, 1946; Chandra, 2006 b
133.	Southern Mottled Wood-Owl, <i>Strix ocellata ocellata</i> (Lesson)	-	C	Chandra, 2006 b
Fam: Sturnidae (Myna)				
134.	The Jungle Myna, <i>Acridotheres fuscus</i> (Wagler)	-	C	Ali, 1996
135.	The Common Myna, <i>Acridotheres tristis tristis</i> (Linnaeus)	Amarkantak, Chhaparwa	C	Ali, 1946; Chandra, 2006 b
136.	Black headed Myna, <i>Sturnus (Temenuchus) pagodarum</i> (Gmelin)	-	C	Ali, 1946; Chandra, 2006 b
Fam: Silvidae (Babblers)				
137.	Large-grey Babbler, <i>Turdoides malcolmi</i> (Sykes)	-	C	Ali, 1946; Chandra, 2006 b
138.	Peninsular Jungle Babbler, <i>Turdoides striatus orientalis</i> (Jerdon)	-	C	Ali, 1996; Chandra, 2006 b
Fam : Threskiornithidae (Ibises, Spoon bills)				
139.	Black Ibis, <i>Pseudibis papillosa papillosa</i> (Temminck)	-	C	Ali, 1946; Ali, 1996; Chandra, 2006 b
Fam: Titonidae (Owls)				
140.	The Barn- or Screech- Owl, <i>Tyto alba stertens</i> Hartert	-	C	Ali, 1946; Chandra, 2006 b
Fam: Upupidae (Hoopoes)				
141.	The Hoopoe, <i>Upupa epops</i>	-	C	Ali, 1946

	Linnaeus			
Fam: Zosteropidae				
142.	The White-eye, <i>Zosterops palpebrosa palpebrosa</i> (Temminck)	-	C	Ali, 1946; Chandra, 2006 b

* C= Common, CR= Critically endangered, LR-lc= Lower risk least concern, LR- nt= Lower risk near threatened, VU= Vulnerable

Though, the BR is very rich in avifauna, still, there is a controversy on the number of species of birds existing in Achanakmar- Amarkantak BR. Rao and Bhatnagar (2007) reported the existence of 176 species of birds in the BR. Thus, it also provides ample scope for further study.

Mammals: Among mammals, eutherians are highly evolved, perfectly warm blooded animals. In Achanakmar- Amarkantak BR, following 27 species of mammals are distributed in different ranges.

Table 15. Different species of mammals reported from Achanakmar-Amarkantak BR

S.N.	Name of Species	Distribution in BR	Status	Reference
Fam: Bovidae				
1.	Bison, <i>Bos gaurus gaurus</i> Smith	Achanakmar, Marwahi, Lormi, Lamni	VU	Tiwari, <i>et al.</i> , 1995; Tiwari, 1997; Harshey & Chandra, 2001; Chandra, 2006b; IUCN, 2002; Akhtar & Chauhan, 2007
2.	Nilgai, <i>Boselaphus tragocamelus</i> (Pallas)	Achanakmar	LR-lc	Tiwari, 1997; Harshey & Chandra, 2001; Chandra, 2006b
3.	Chinkara or Indian gazelle, <i>Gazella dorcas</i> (Linnaeus)	Lamni	LR-lc	Chandra, 2006 b
4.	Chausingha or Four horned antelope, <i>Tetracerus quadricornis</i> (Blainville)	Achanakmar, Lamni	VU	Tiwari, <i>et al.</i> , 1995; Tiwari, 1997; IUCN 2002
Fam: Cervidae				
5.	Spotted deer, <i>Axis axis axis</i> (Erxleben)	Achanakmar, Manihari river, Lamni	LR-lc	Tiwari, <i>et al.</i> , 1995; Tiwari, 1997; Harshey & Chandra, 2001; Chandra, 2006b
6.	Sambhar, <i>Cervus unicolor niger</i> (Blainville)	Achanakmar, Khudia, Kota, Lamni	LR-lc	Tiwari, <i>et al.</i> , 1995; Tiwari, 1997; Harshey & Chandra, 2001; Chandra, 2006 b
7.	Barking deer, <i>Muntiacus muntjak</i> (Zimmermann)	Lamni, Achanakmar	LR-lc	Tiwari, 1995
Fam: Suidae				
8.	Wild Boar, <i>Sus scrofa</i> Linnaeus	Achanakmar, Marwahi	LR-lc	Tiwari, 1972; Tiwari, <i>et al.</i> , 1995; Harshey & Chandra, 2001; Chandra, 2006 b;

				Akhtar & Chauhan, 2007
Fam: Canidae				
9.	Asian Jackal, <i>Canis aureus</i> Linnaeus	Marwahi, Lamni	LR-lc	Tiwari, <i>et al.</i> , 1995; Chandra, 2006 b; Akhtar & Chauhan, 2007
10.	Bhediya or Indian Wolf, <i>Canis lupus pallipes</i> Sykes	Lamni	LR-nt	Chandra, 2006 b
11.	Indian Wild Dog, <i>Cuon alpinus</i> (Pallas)	Lamni	VU	Tiwari, <i>et al.</i> , 1995; IUCN 2002; Chandra, 2006 b
12.	Lomri or Bengal Fox, <i>Vulpes bengalensis</i> (Shaw)	Lamni	LR-nt	Tiwari, <i>et al.</i> , 1995; Chandra, 2006 b
Fam: Felidae				
13.	Jungle Cat, <i>Felis chaus kutas</i> Pearson	Lamni	LR-nt	Tiwari, <i>et al.</i> , 1995; Chandra, 2006 b
14.	Panther or Leopard, <i>Panthera pardus fusca</i> (Meyer)	Achanakmar, Marwahi, Lamni	VU	Tiwari, <i>et al.</i> , 1995; Tiwari, 1997; Chandra, 2006 b; Akhtar & Chauhan, 2007
15.	Tiger, <i>Panthera tigris</i> (Linnaeus)	Achanakmar, Lamni	EN	Tiwari, <i>et al.</i> , 1995; Tiwari, 1997; IUCN 2002; Chandra, 2006 b
Fam: Hyaenidae				
16.	Lakarbaggha or Striped Hyna, <i>Hyaena hyaena</i> (Linnaeus)	Marwahi, Achanakmar, Lamni	LR-nt	IUCN 1994; Tiwari, <i>et al.</i> , 1995; Chandra, 2006 b; Akhtar & Chauhan, 2007
Fam: Mustelidae				
17.	<i>Bijoo</i> , or Rate!, <i>Mallivora capensis indica</i> (Kerr)	Lamni	LR-nt	Chandra, 2006 b
Fam: Scicuridae				
18.	Indian Porcupine, <i>Hystrix indica</i> (Kerr)	Lamni	LR-lc	Tiwari, <i>et al.</i> , 1995; Chandra, 2006 b
19.	Five striped palm squirrel, <i>Funambulus pennantii</i> (Wroughton)	Lamni	LR-lc	Chandra, 2006 b
Fam: Leporidae				
20.	Khargosh or Black-naped Hare, <i>Lepus nigricollis</i> (F. Cuvier)	Lamni	LR-lc	Chandra, 2006 b
Fam: Cercopithecidae				
21.	Bandar or Rhesus macaque, <i>Macaca mulatta</i> (Zimmermann)	Lamni, Tilaidobra	LR-lc	Tiwari, <i>et al.</i> , 1995; Chandra, 2006 b
22.	Langoor or Common Langoor, <i>Presbytis entellus</i> (Dufresne)	Lamni, Achanakmar, Shivtarai, Pateta	LR-lc	Tiwari, <i>et al.</i> , 1995; Chandra, 2006 b
Fam: Menidae				

23.	Indian Pangolin, <i>Manis crassicaudata</i> (Gray)	-	LR-nt	IUCN 1994; Chandra, 2006 b
Fam: Ursidae				
24.	Sloth bear, <i>Melursus ursinus</i> (Shaw)	Marwahi, Lamni	LR-nt	Tiwari, 1997; IUCN 2002; Chandra, 2006 b; Akhtar & Chauhan, 2007
Fam: Muridae				
25.	Chuha or Lesser Bandicoot Rat, <i>Bandicota bengalensis</i> (Gray)	-	LR-lc	Chandra, 2006 b
Fam: Soricidae				
26.	Chuchundar or House Shrew, <i>Suncus murinus</i> (Linnaeus)	-	LR-lc	Chandra, 2006 b
Fam: Tragulidae				
27.	Mouse deer, <i>Moschiola meminna</i> (Erleben)	Achanakmar	LR-nt	Tiwari, <i>et al.</i> , 1995; Chandra, 2006 b

EN=Endangered, LR-lc=Lower risk least concerned, LR-nt= Low risk near threatened, VU= Vulnerable.

Most of the above species are of low risk (LR) either not threatened (-nt) or least concern (-lc) excepting a few species like the tiger *Panthera tigris* (Linnaeus), which is categorized as Endangered (EN) and the bison *Bos gaurus gaurus* Smith, wild dog *Cuon alpinus* (Pallas), sloth bear, *Melursus ursinus* (Shaw) and four horned antelope *Tetracerus quadricornis* (Blainville) as Vulnerable (VU) as per IUCN 1994 and 2002. Bison *Bos gaurus gaurus* Smith, Indian Wolf *Canis lupus pallipes* Sykes, panther or leopard *Panthera pardus fusca* (Meyer), tiger *Panthera tigris* (Linnaeus) and the Sloth bear *Melursus ursinus* (Shaw) have been protected by listing under schedule I of the Wildlife Protection Act 1972 (Anon., 1992). Thus, the BR is very rich in Biodiversity varying the category of mammals from “Lower risk” to “Endangered” species.

Threatened fauna:

Out of nearly 89,317 species of animals described from India (Alfred, 1998), 366 taxa consisting of 148 species of mammals, 138 species of birds, 32 species of reptiles, 3 species of amphibians, 17 species of pisces and 28 species of invertebrates (12 species of insects, 10 species of crustaceans and 6 species of mollusks) are categorized as “threatened” by IUCN (2002). In Achanakmar- Amarkantak BR, there are 55 threatened species of animals reported by different authorities from Lower risk- least concern to critically endanger.

II. Other Data Collected:

Land use history:

The core area of Achanakmar- Amarkantak BR was declared as a Reserve Forest in 1878 by notification No. 5037 dated 7th Dec. 1878 under Section 34 of the Indian Forest Act VII. Later on, it was given under the *Zamindari* system to Pendra *Zamindar* (Landowner). In 1912, Government of India advised the *Zamindar* to introduce the fire protection measures and removal of climbers and regularisation of Nistar (Pandit, 1971), but he failed to follow the instructions. The area was cut and burnt and system of shifting cultivation, locally



Fig 7. Kapildhara Waterfall



Fig 8. Siha wal sagar lake

known as 'podu' or 'bewar', was practised by the *baiga* and other tribal inhabitants especially on the steep slopes of Maikal range. In this practice, the sal forests were cleared and cultivated for 2-3 years by tribal and then abandoned after their shifting to another area. This practice had lasting effect on vegetation cover or composition giving rise to mixed species with poor regeneration. Later on, a working scheme was introduced by Government in the area to preserve the forest cover and improve its depletion. The practice was then restricted to a limited area.

In 1928, Mr. C.M. Wilfer prepared a working plan of *Pendra Zamindari* (Pandit, 1971). In the initial years *Pendra Zamindar* followed some of the prescriptions and a large number of irregular felling of tree were done through contractors led to heavy irregular over exploitation. This tradition of felling was continued up to 1951. To check the deterioration, Government decided to take over the management of these forests by abolition of proprietary rights in the state, and transferring them to the forest department vide notification no. 28 of CR/299 XII dated 07-05-51. After abolishing the proprietary rights, the Government of Madhya Pradesh declared it as Protected Forest under adhoc notification No. 233-X and 9-X-59 dated 9-3-1957 and 10-7-1958 respectively. Minor alteration of afforestation and deforestation occurred in later years. The forests of BR were notified under section 241 of the Madhya Pradesh Land Revenue code 1959 vide Govt. of M.P. notification no. 7102/6006/VII dated 27-12-63 and no. 7/06/7-C/2 dated 03-09-64. These were the special significance for the protection and control of the Government forests in the tract. The area was surveyed some times during 1955 to 1963. Considering sufficient number of wildlife, the M.P. Government under the provision of section 66(4) of the wildlife protection Act 1972 declared the area as Achanakmar Game Sanctuary vide notification no. 2649-966-10-2-75 dated 28th June 1975. Later on, the Government of M.P. declared the present core area of the BR as reserve forest under Indian Forest Act Sec 34 vide notification no. 5037 dated 07/12/1978. After enforcement of Wildlife Protection Act, all the forestry works including collection of NTFPs were stopped by Government. However, to improve the degraded compartments a few teak plantations were done between the years 1952 to 1978.

Cultural Heritage:

The sub urban township Amarkantak, situated in the buffer zone of the BR, is of great cultural and religious significance for Hindus, Jains and Sikhs. It is the origin place of the holy Narmada river, the Sone river and the Johilla river. It is said that Adi Sankaracharya, who was born in 788 AD, consecrated on the bank of the river Narmada at Amarkantak. He founded Pataleshwar Mahadev at the origin of river Narmada. This place was later named as Surajkund. Kalchuri Maharaja Karna Dev (1042-1072 AD) constructed temple at Surajkund. An open pool has been constructed at the origin of the Narmada river, which is known as Narmadakund. A number of temples such as Narmada temple, Shiva temple, Shri Shuryanarayan temple, Durga temple, etc. surround the Narmadakund. The ancient temples of Kalchuri period, Machhendranath and Pataleshwar are excellent examples of architecture. It is said that Gods, *Gandharvas*, *Asuras* (demons), saints and sages achieved their spiritual powers at Amarkantak. Kapil Muni, Bhriгу Rishi and Markandeya Rishi had

their *ashrams* here. Devotees from different states come throughout the year to visit the temples and *ashrams*.

Landscape features that attract visitors:

Amarkantak plateau, Lamni and Achanakmar forest ranges, many permanent and seasonal waterfalls like Durgadhara, Shambhudhara, Kapildhara (Fig. 7), Mendri Sarai fall and water reservoirs like Sinhwal-sagar lake (Fig. 8) beautify the area and have scenic spots. The cool, calm, dense sal forest with a variety of wild fauna, also attract the tourists. A number of tourists visit the core and buffer zones of BR for enjoying its wilderness and wildlife. The trend of number of tourists visiting Achanakmar and Lamni has continuously increased in the recent years. Students from nearby universities, researchers from various research organisations of the country often come for various studies related to floral and faunal taxonomy, ecology, animal behaviour, etc.

Rural inhabitants and their population:

Most of the rural inhabitants in the BR are primitive forest dwelling tribe. In urban towns, however, several other castes also live together with the tribal. There are 27 communities namely- Baiga, Gond, Dhanwar, Kol, Kanwar, Oraon, Chamar, Sais (Sarhi), Basore, Lonia, Muslim, Sindhi, Brahmin, Rajpur, Goswami, Baraith, Kalar, Kumhar, Kewat, Nai, Ahir (Raut), Panika, Sondhiya, Lohar, Maratha, Sonar and Baniya live in different zones of the BR. The baiga are dominant in population. There are 22 villages in the core region with a population of 7,617 traditional primitive tribes as per 2001 census. In buffer and transition zone, there are 396 villages and suburban areas with a population of 4,40,404 inhabitants of nearly 27 communities. The tribal population residing in the BR consists of 56.11%. The scheduled caste population is 6.9%. The literacy rate is only 26.48%. The socio-economic status of inhabitants in different villages and sub urban areas also studied. It was observed that the inhabitants are poor and depend mainly on agriculture and partially on BR for fuel, fodder, food, medicine, etc. About 8232.47 tonnes of 47 items of NTFPs with a total value of more than 2.70 crores are collected by local tribal from Amarkantak plateau (Tiwari *et al.*, 2000).

Human impact:

The inhabitants depend mainly on the agriculture which is based on the rains. They cut bamboos and make bamboo items and fuel wood besides collection of non timber forest produce including food and medicinal plants from the BR. Cattle are less productive and cattle grazing cause a loss to mainly buffer and transition zones of the BR. Human-wildlife making animals in the BR are the snakes, small mammals like wild boar, large carnivores like leopard, tiger, sloth bear, etc. Marwahi Forest Division of the BR is well known for human-sloth bear conflict (Akhtar and Chauhan, 2007). The maximum incidences due to mauling are reported to be caused by sloth bear followed by Jackals, leopards, hyena and wild boar. The reason is probably due to degradation of forest areas, fragmented and interspersed agricultural fields.

Tourism:

Majority of the tourists come for site seeing (Fig. 9) in the BR besides the devotees who come to worship the temples, holy river Narmada and Sone. The scenic spots are Durgadhara, Kabirchabutra, Sambhudhara, Kapildhara (Fig. 7), Sinhawal Sagar Lake (Fig. 8), Rakshasakh water fall (Fig.10), etc. Tourists also visit to study flora, fauna and other natural heritage sites, caves, etc.



Fig 9. Natural scenic view at Amarkantak



Fig 10. Rakshasakh Waterfall

III. Dissemination of information:

- To disseminate the collected research based information, 2 issues of Biosphere Reserve Information Series (BRIS) published and distributed to managers of all BRs of the country.
- Compendium of Achanakmar-Amarkantak BR prepared and information disseminated to BR managers.
- Electronic form of BRIS issues provided to BR managers of Achanakmar-Amarkantak BR.

IV. Interactions:

- Frequent interactions were made with BR managers from time to time to work out the needs of Achanakmar-Amarkantak BR. A workshop was also held in April, 2007 to find out the research needs. In all, 8 basic research needs or gaps were identified. The proceeding of the workshop published in September 2007, was distributed to BR authorities.
- Interacted with academicians and scientists working on BRs and discussed on various issues pertaining to the BR. They were motivated to submit the research projects on various issues to MOEF for funding. In all, scientists of following 10 research institutes/ universities/ NGO's Viz. State Forest Research Institute, Jabalpur, Zoological Survey of India, Jabalpur, A.P.S. University, Rewa, G.G. University, Bilaspur (Chhattisgarh), I.G.K.V.V. Raipur (Chhattisgarh), Anthropological Survey of India, Nagpur, Botanical Survey of India, Allahabad, National Botanical Research Institute, Lucknow (Uttar Pradesh), Tropical Forest Research Institute, Jabalpur and Wildlife Institute of India, Dehradun were consulted.

V. Other assignments:

- State Level Steering Committee meetings held at Raipur were attended every year.
- Madrid Action plan prepared and submitted to funding agency.
- Biosphere Reserve nomination report drafted and submitted to Principal Chief Conservator of Forests and Chief Wild Life Warden, Chhattisgarh for suggestions on 13th March 2009. PI visited personally to discuss on the issue.

11. Conclusion

- Achanakmar- Amarkantak BR is spread over an area of 3835.51 sq km. It represents the Deccan Peninsular biogeographic zone of India. Its topography varies from plains of Bilaspur district to hilly terrains and valleys. About 4,48,021 inhabitants, mainly tribes live in 418 small to large villages and sub urban areas.
- The core area was declared as a Reserve Forest in 1878. Later, it was given under the *Zamindari* system. In 1928, Mr. C.M. Wilfer prepared a working plan. Due to heavy irregular over exploitation, Government decided to take over the management of these forests by abolition of proprietary rights.

It was declared as Protected Forests in 1958. Considering sufficient number of wildlife, it was declared as Achanakmar Game Sanctuary in 1975. Later, it was declared as core area of the BR.

- The vegetation is tropical deciduous type and is classified into Northern Moist Deciduous to Southern Dry Mixed Deciduous forests. The forest area is about 63.91 % of total geographical area.
- The BR is blessed with a total of 1498 identified floral species consisting of 7 algae species, 178 fungi, 130 species of lichens, 16 bryophyte species, 40 pteridophyte species, 16 gymnosperms species and 1111 angiosperms species. Besides this, there are 117 identified invertebrates including variety of beautiful butterflies, moths, beetles, cricket, centipedes and 210 species of identified vertebrates consisting of mammals, birds, reptiles, amphibians and fishes, which enhance the beauty of the BR.
- The inhabitants are poor and depend mainly on agriculture and partially on BR for fuel, fodder, food and medicine, etc.
- Research projects are continued on various aspects of Achanakmar-Amarkantak BR. Hence, regular collection of scientific information and then disseminate it to BR managers to incorporate in management plan, is essential need of the hour. The present system should continue in the near future also.

12. Publications:

- Besides, compendium on Achanakmar- Amarkantak BR, 2 issues of Biosphere Reserve Information Series (BRIS) published.
- A proceeding of Workshop on Research Needs for Achanakmar- Amarkantak Biosphere Reserve published.

13. Suggestions for follow-up study:

The gathered information from various sources still appears incomplete, due to lack of identity of many species of beetles belonging to the family Anthribidae, Bostrychidae, Cerambycidae, Chrysomelidae, Cantheridae, Scolytidae, Curculionidae, Coccinellidae, Elateridae, Platypodidae, etc. The information about other group of insect arthropods like bees, wasps, dragon and mayflies, mantids, termites, flies and others like crustaceans, spiders and mites, etc. is still unexplored. Though, these groups of insects are plenty in number. Zoological Survey of India, Jabalpur has identified only one species of Cricket *Schizodactylus monstrosus* (Drury), though a lot of species of grasshopper and cricket were seen jumping on sal forests during the course of project period. Similarly, a large number of mollusk shells have been observed on sal trees and near water sources in BR. Studies on mollusks existing in BR are also untouched and provide ample scope for their taxonomical and ecological studies.

The population of *Philautus sanctisilvaticus* Das and Chandra, is decreasing and it is categorized as "Critically Endangered" (CR) as per IUCN 2001. Leith's Frog *Indirana leithii* (Boulenger) and the Cricket frog *Limnnectes limnocharis* (Boie.) are the vulnerable species of amphibians reported from different localities of BR and need attention for the protection. The species of snakes like Branded Krai *Bangarus multicinctus* Blyth and the Cobra *Naja naja* (Linn.) are not reported by the authors, though, they are seen during monsoon. Similarly, the BR is also very rich in avifauna. There is a

controversy on the number of species of birds existing in Achanakmar- Amarkantak BR. Rao and Bhatnagar (2007) reported the existence of 176 species of birds in this BR. Thus, it provides ample scope for further study.

Flying squirrel has been seen in Lamni range of the BR, but it has not been reported by any author. Similarly, insectivores like Mole shrew, Musk shrew and Hedgehog, etc. and chiropterans are not reported so far from the various localities of BR. Therefore, there is a scope to explore further on mammals existing in the BR.

14. Summary of the project

Achanakmar-Amarkantak BR is spread over an area of 3835.51 sq. km. in Chhattisagrah and Madhya Pradesh states of Indian Union. It represents the Deccan Peninsular biogeographic zone of India. Most of the area of BR is dense, open, degraded and blank forest with rich biodiversity along with agriculture fields in between. The BR supports three major river systems, viz. Narmada river and its tributaries, Sone river and its tributaries and Johilla and its tributaries, besides many seasonal and permanent streams, rivulets, etc. The topography varies from plain rice fields in Bilaspur and Anuppur and wheat fields in Dindori district to the hills of Maikal ranges of Satpura. The topography in combination with perennial streams and valleys has created micro-climate conditions in the area to provide diverse environmental conditions, encouraging luxuriant growth for several species of flora and fauna of economic value.

The core zone of the BR is protected dense forest area of 551.55 sq. km. It is the area that supports the majority of the biodiversity. The core zone is surrounded by buffer and the outermost transition zones of about 3283.96 sq. kms.

The forest vegetation in the BR is Tropical Deciduous type and is classified into Northern Tropical Moist Deciduous and Southern Dry Mixed Deciduous Forests. Forest constitutes about 63.91% of the total geographical area of the BR. In all, 1498 identified species of flora consisting of 7 algal species, 178 fungi, 130 species of lichen, 16 species of bryophytes, 40 pteridophytes, 16 species of gymnosperms and 1111 species of angiosperms. Nearly 51 species of angiosperms and 7 species of pteridophytes, natural growing or cultivated in BR, have great demand for preparation of Ayurvedic medicines. Besides this, 3 species of flora are endemic, 282 species are rare and 39 species are threatened due to over exploitation and habitat loss.

The faunal resources are also very rich and varied from soil microbes to arthropods, scavengers, phytophagous, omnivorous and carnivorous species. About 117 identified species of invertebrates including variety of beautiful butterflies, moths, beetles, centipedes and 210 identified species of vertebrates including beautiful mammals, birds, reptiles, amphibians and fishes enhance the beauty of the BR. Out of 327 identified species of fauna in different ranges of BR, about 17 % species are regionally threatened to various categories. Human- wildlife conflict caused by snakes, wild boar, leopard, sloth bear, etc. is often reported from different ranges of the BR. the maximum incidences are due to sloth bear followed by jackals, leopards, hyena and wild boar. The reason is probably due to degradation of forest areas, fragmented and interspersed agricultural fields.

Nearly, 7,617 traditional primitive tribal inhabitants as per the population census of the year 2001 are settled in 22 villages of the core zone whereas 4,40,404 inhabitants live in 396 villages and suburban areas of buffer and transition zones of the BR. There are 27 communities living in different zones. These are Baiga, Dhanwar, Kol, Kanwar, Oraon, Chamar, Sais, Basora, Lonia, Muslim, Sindhi, Brahmin, Rajput, Goswami, Baraith, Kolar, Kumhar, Kewat, Nai, Ahir, Panika, Sondhiya, Lohar,

Maratha, Sonar and Bania. The inhabitants are poor and depend mainly on agriculture and partially on BR for fuel, fodder, food, medicine, etc.

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