

A CHECKLIST OF BUTTERFLIES OF MADHYA PRADESH AND CHHATTISGARH STATES, INDIA

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ABSTRACT

A checklist of butterflies so far recorded from Madhya Pradesh and Chhattisgarh, representing 174 species/subspecies of 100 genera under eight families is given.

KEYWORDS

Butterflies, checklist, Chhattisgarh, India, Madhya Pradesh, overview

Madhya Pradesh (MP) state was created in 1956 by merging Mahakoshal and Chhattisgarh parts of the former Central Province (CP), Berar, Vindhya Pradesh, Madhya Bharat and Bhopal, thereby forming geographically the largest state in India. In the year 2000 Chhattisgarh state (CG) was carved out by the division of Madhya Pradesh. The total area of these two states is 43,446km² (between 21°-25°N & 74°84°E; elevation 305-610m) forming about 13.5% of the total geographical area of India.

The bulk of Madhya Pradesh and Chhattisgarh lies on the tableland of central India that is bound by the upper Gangetic plains in the north, the Godavari valley in the south, the plains of Gujarat in the west and Orissa and Bihar in the east. Vindhya, Satpura and Maikal hill ranges running east to west and the Eastern Ghats running to the south traverse the two states.

The forested area of the two states is 154495km² that works out to 34.84% of the total geographic area of the states and also constitutes 20.09% of the total recorded forest area of the country. The forests are well distributed over all the agro-climatic zones. The forest types found in the area are classified as sub-tropical hill forests, tropical moist deciduous forests, tropical dry deciduous forests and thorny forests.

Both the states have several conservation areas; Madhya Pradesh has nine national parks, 25 wildlife sanctuaries, one biosphere reserve, and five tiger reserves; Chhattisgarh has three national parks, 10 wildlife sanctuaries, one biosphere reserve, and one tiger reserve.

Studies on the butterflies of central India dates back to Forsayeth (1884), Swinhoe (1886), Betham (1890, 1891) and Witt (1909). Subsequent monumental works and fauna volumes include several species from Madhya Pradesh and Chhattisgarh (Evans, 1932; Talbot, 1939, 1947; Wynter-Blyth, 1957). In the recent past, several workers have studied butterflies from some districts and conservation areas of Madhya Pradesh and Chhattisgarh (Singh, 1977; Gupta, 1987; Chaudhury, 1995; Chandra *et al.*, 2000a,b; 2002; Singh & Chandra, 2002; Siddiqui & Singh, 2004; Chandra, 2006). The compilation of all these studies and stray records resulted in enumeration of 174 species/subspecies belonging to 100 genera spread over eight families (Appendix 1). Of these, 153 and 113 species are represented from Madhya Pradesh

and Chhattisgarh, respectively, and 93 species are common to both the states. It is estimated that the Indian region harbours 1641 species of butterflies representing roughly 9.50% of the total world species (Varshney, 2006). The diversity of butterflies in Madhya Pradesh and Chhattisgarh comes to 10.58% of Indian diversity. The classification and nomenclature followed here for family Hesperidae is after Smetacek (2006-2007) and for the rest Varshney (1993-1997). It is very likely that a few more species could be added to the list on future explorations from both the states. The asterisk (*) in the respective state map indicates the collection localities in a particular district.

REFERENCES

- Betham, J.A. (1890). The butterflies of the Central Provinces. *Journal of the Bombay Natural History Society* 5: 19-28; 151-161; 279-286.
- Betham, J.A. (1891). The butterflies of the Central Provinces. *Journal of the Bombay Natural History Society* 6: 175-183; 318-331.
- Chandra, K., R.K. Singh & M.L. Koshta (2000a). On a collection of butterflies (Lepidoptera: Rhopalocera) from Sidhi district, Madhya Pradesh, India. *Records of Zoological Survey of India* 98(4): 11-23.
- Chandra, K., R.K. Singh & M.L. Koshta (2000b). On a collection of Butterfly fauna from Pachmarhi Biosphere Reserve. *Proceedings of National Seminar on Biodiversity Conservation & Management with Special Reference on Biosphere Reserve*, EPCO, Bhopal, November, 72-77pp.
- Chandra, K., L.K. Chaudhary, R.K. Singh & M.L. Koshta (2002). Butterflies of Pench Tiger Reserve, Madhya Pradesh. *Zoos' Print Journal* 17(10): 908-909.
- Chandra, K. (2006). The Butterflies (Lepidoptera: Rhopalocera) of Kangerghati National Park (Chhattisgarh). *Advancement in Indian Entomology: Productivity and Health, Vol.II*, pp. 83-88.
- Chaudhury, M. (1995). Insecta: Lepidoptera, pp.45-52. *Fauna of Conservation Area, No. 6: Fauna of Indravati Tiger Reserve*. Zoological Survey of India.
- Choudhary, L.K. & S.A. Khan (2002). *Bandhavgarh Fort of the Tiger: The Definitive Guide*. Sandhya Prakashan Bhavan, Malaviya Nagar, Bhopal, 113pp.
- De Niceville, L. (1890). *The Butterflies of India, Burmah and Ceylon* 3:1-503.
- Evans, W.H. (1932). *The Identification of Indian Butterflies*. Bombay Natural History Society, Bombay, 455pp + 32pls.
- Forsayeth, R.W. (1884). Life history of sixty species of Lepidoptera observed in Mhow, Central India. *Transactions of the Entomological Society of London* 3: 377-419, 14-15pls.
- Ghosh, S.K. & M. Chaudhury (1997). Insecta: Lepidoptera: Lycaenidae, 275-318. *State Fauna Series 3. Fauna of West Bengal*. Pt. 7, Zoological Survey of India.
- Gupta, I.J. & J.P.N. Shukla (1987). Butterflies from Bastar district (Madhya Pradesh, India). *Records of Zoological Survey of India*, Occasional Paper No. 106: 1-74.
- Gupta, I.J. (1997). Insecta: Lepidoptera: Lycaenidae, pp.429-489. *State Fauna Series 3. Fauna of West Bengal*. Pt. 7, Zoological Survey of India.
- Larsen, T.B. (1988). The butterflies of the Nilgiri mountains of southern

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Appendix 1. List of butterflies recorded from Madhya Pradesh and Chhattisgarh

Species	Common Name	Distribution	
		Madhya Pradesh	Chhattisgarh
Suborder: Rhopalocera			
Family: Papilionidae			
Subfamily: Papilioninae			
Tribe: Leptocircini			
1. <i>Graphium agammenon</i> (Linn.)	Tailed Jay	Hoshangabad, Nimar, Umaria (Chandra <i>et al.</i> , 2000b; Choudhary & Khan, 2002)	Bastar (unpublished data)
2. <i>Graphium sarpedon</i> (Linn.)	Common Bluebottle	Panna, Umaria (Choudhary & Khan, 2002; Siddiqui & Singh, 2004)	
3. <i>Pathysa nomius nomius</i> (Esper)	Spot Swordtail	Balaghat, Hoshangabad, Mandla, Panna, Seoni, Umaria (Siddiqui & Singh, 2004; Chandra <i>et al.</i> , 2002; Choudhary & Khan, 2002; Chandra <i>et al.</i> , 2000b; Betham, 1890-91)	Bastar (Chandra, 2006)
Tribe: Papilionini			
4. <i>Papilio crino</i> Fabricius	Common Banded Peacock		Bastar (Singh & Chandra, 2002; Chandra, 2006)
5. <i>Papilio demoleus demoleus</i> Linn.	Lime Butterfly	Balaghat, Bhind, Bhopal, Chhindwara, Chhatarpur, Dhar, Hoshangabad, Indore, Jabalpur, Mandla, Sidhi (Siddiqui & Singh, 2004; Chandra <i>et al.</i> , 2000a)	Bastar, Dantewara, Kaker, Rajgarh, Sarguja (Gupta & Shukla, 1987; Singh & Chandra, 2002)
6. <i>Papilio polymnestor</i> Cramer	Blue Mormon	Jabalpur, Umaria (Choudhary & Khan, 2002)	Bastar, Dantewara (Gupta & Shukla, 1987; Singh & Chandra, 2002; Chandra, 2006)
7. <i>Papilio polytes romulus</i> Cramer	Common Mormon	Bhind Bhopal, Chhindwara, Chhatarpur, Dhar, Hoshangabad, Indore, Jabalpur, Mandla, Panna, Sidhi, Umaria (Siddiqui & Singh, 2004; Choudhary & Khan, 2002; Chandra <i>et al.</i> , 2000a,b)	Bastar, Dantewara, Korla, Sarguja (Singh & Chandra, 2002)
8. <i>Chilasa clytia clytia</i> (Linn.)	Common Mime	Balaghat, Mandla, Seoni, (Chandra <i>et al.</i> , 2002; Choudhary & Khan, 2002)	Bastar, Bilaspur (Chandra, 2006)
Tribe: Troidini			
9. <i>Pachliopta aristolochiae</i> Fabricius	Common Rose	Balaghat, Mandla, Umaria (Choudhary & Khan, 2002)	Bastar (Chandra, 2006)
10. <i>Pachliopta hector</i> (Linn.)	Crimson Rose	Balaghat, Mandla, Hoshangabad, Panna, Seoni, Umaria (Chandra <i>et al.</i> , 2000b, 2002; Choudhary & Khan, 2002; Siddiqui & Singh, 2004)	Bastar (Chandra, 2006)
II Family: Pieridae			
Subfamily: Pierinae			
Tribe: Pierini			
11. <i>Pieris canidia indica</i> Evans	Indian Cabbage White	Panna (Siddiqui & Singh, 2004)	Bastar (Gupta & Shukla, 1987)
12. <i>Belonois aurota aurota</i> (Fabricius)	Pioneer	Balaghat, Bhind, Bhopal, Hoshangabad, Jabalpur, Mandla, Mandsaur, Morena, Panna, Ratlam, Seoni, Sidhi, Ujjain, Umaria (Chandra <i>et al.</i> , 2000a,b; Chandra <i>et al.</i> , 2002; Choudhary & Khan, 2002; Siddiqui & Singh, 2004)	Bilaspur, Sarguja (Singh & Chandra, 2002)
13. <i>Cepora nerissa phryne</i> (Fabricius)	Common Gull	Bhind, Chhatarpur, Chhindwara, Dhar, Gwalior, Hoshangabad, Indore, Jabalpur, Mandsaur, Morena, Panna, Sidhi, Shivpuri, Ujjain, Umaria (Siddiqui & Singh, 2004; Choudhary & Khan, 2002; Chandra <i>et al.</i> , 2000a,b)	Bastar, Dantewara, Kanker, Sarguja, (Gupta & Shukla, 1987; Singh & Chandra, 2002; Chandra, 2006)
14. <i>Delias eucharis</i> (Drury)	Common Jezebel	Balaghat, Betul, Chhindwara, Hoshangabad, Indore, Jabalpur, Mandla, Narsinghpur, Panna, Shahdol, Shivpuri, Umaria (Chandra <i>et al.</i> , 2000b; Choudhary & Khan, 2002; Siddiqui & Singh, 2004)	Bastar, Dantewara, Raigarh, Sarguja (Gupta & Shukla, 1987; Singh & Chandra, 2002; Chandra, 2006)
15. <i>Delias hyparete ethire</i> Doherty	Painted Jezebel		Bastar, Dantewara (Gupta & Shukla, 1987; Singh & Chandra, 2002)
16. <i>Appias libythea libythea</i> (Fabricius)	Striped Albatross	Chhindwara, Dhar, Nimar, Umaria (Choudhary & Khan, 2002)	
17. <i>Appias lyncida latifasciata</i> Moore	Chocolate Albatross		Bastar, Dantewara (Gupta & Shukla, 1987; Singh & Chandra, 2002)
18. <i>Appias albina</i> Boisduval	Common Albatross	Umaria (Choudhary & Khan, 2002)	
19. <i>Appias indra</i> (Moore)	Plain Puffin	Umaria (Choudhary & Khan, 2002)	
20. <i>Appias paulina paulina</i> (Cramer)	Ceylon Lesser Albatross	Sagar (Betham, 1890-91)	
21. <i>Leptosia nina nina</i> (Fabricius)	Psyche	Balaghat, Jabalpur, Mandla, Umaria (Choudhary & Khan, 2002)	Bastar (Chandra, 2006)

Species	Common Name	Distribution	
		Madhya Pradesh	Chhattisgarh
Tribe: Colotini			
22	<i>Ixias marianne</i> (Cramer)	White Orange Tip	Bhind, Chhattarpur, Datia, Dhar, Gwalior, Jhabua, Mandsaur, Morena, Ratlam, Sihore, Shivpuri, Ujjain Umaria (Choudhary & Khan, 2002)
23	<i>Ixias pyrene sesia</i> (Linn.)	Yellow Orange Tip	Mandsaur, Ujjain, Umaria (Choudhary & Khan, 2002)
24	<i>Hebomoia glaucippe glaucippe</i> (Linn.)	Great Orange Tip	Hoshangabad (Chandra, 2000b)
25	<i>Colotis amata</i> (Fabricius)	Small Salmon Arab	Bhind, Nimar (Witt, 1909)
26	<i>Colotis danae danae</i> (Fabricius)	Crimson Tip	Nimar (Wynter-Blyth, 1957)
27	<i>Colotis etrida etrida</i> (Boisduval)	Small Orange Tip	Bhind, Hoshangabad, Mandsaur Morena, Nimar (Chandra et al., 2000b)
28	<i>Colotis eucharis</i> Boisduval	Plain Branded Tip	Central India, Bind, Morena (Wynter-Blyth, 1957)
29	<i>Colotis fausta fausta</i> (Oliver)	Large Salmon Arab	Central India, Bind, Morena (Wynter-Blyth, 1957)
30	<i>Colotis vestalis vestalis</i> (Butler)	White Arab	Central India, Mandsaur, Nimar (Wynter-Blyth, 1957)
31	<i>Pareronia valeria hippie</i> (Fabricius)	Common Wanderer	Balaghat, Dhar, Indore Jabalpur, Mandla, Panna, Umaria (Choudhary & Khan, 2002; Siddiqui & Singh, 2004)
32	<i>Pareronia ceylanica ceylanica</i> (C & R Felder)	Dark Wanderer	Mandsaur, Ujjain (unpublished data)
Subfamily: Coliadinae			
33	<i>Catopsilia pomona</i> (Fabricius)	Lemon or Common Emigrant	Balaghat, Bind, Chhindwara, Chhatarpur, Dhar, Gwalior, Hoshangabad, Indore, Jabalpur, Jhabua, Mandla, Morena, Panna, Ratlam, Sagar, Seoni, Shahdol, Sidhi, Shivpuri, Tikamgarh, Ujjain, Umaria (Chandra et al., 2000a,b; Chandra et al., 2002; Choudhary & Khan, 2002.)
34	<i>Catopsilia pyranthe pyranthe</i> (Linn.)	Mottled Emigrant	Balaghat, Bind, Bhopal, Chhatarpur, Chhindwara, Hoshangabad, Indore, Jabalpur, Mandla, Sidhi, Umaria (Chandra et al., 2000a,b; Chandra et al., 2002; Choudhary & Khan, 2002.)
35	<i>Terias hecabe simulata</i> (Moore)	Common Grass Yellow	Balaghat, Betul, Bind, Chhatarpur, Chhindwara, Damoh, Datia, Dhar, Gwalior, Jabalpur, Jhabua, Mandla, Mandsaur, Panna, Sidhi, Umaria (Siddiqui & Singh, 2004; Choudhary & Khan, 2002; Chandra et al., 2000a,b)
36	<i>Terias laeta laeta</i> (Boisduval)	Spotless Grass Yellow	Dhar, Jabalpur, Jhabua, Morena, Sagar, Sidhi, Umaria (Chandra et al., 2000a,b; Chandra et al., 2002; Choudhary & Khan, 2002)
37	<i>Terias brigitta rubella</i> (Wallace)	Small Grass Yellow	Balaghat, Dhar, Hoshangabad, Jabalpur, Jhabua, Seoni, Umaria (Chandra et al., 2000b; Chandra et al., 2002; Choudhary & Khan, 2002.)
38	<i>Terias andersoni</i> Moore	One Spot Grass Yellow	Umaria (Choudhary & Khan, 2002.)
III Family: Danaidae			
Subfamily: Danainae			
39	<i>Danaus chrysippus</i> (Linn)	Common Tiger	Balaghat, Betul, Bind, Chhatarpur, Chhindwara, Damoh, Dhar, Gwalior, Indore, Jabalpur, Jhabua, Khargaon, Mandla, Mandsaur, Morena, Panna, Ratlam, Sagar, Seoni, Shivpuri, Sidhi, Tikamgarh, Ujjain, Umaria (Chandra et al., 2000a,b; Chandra et al., 2002; Choudhary & Khan, 2002.)
40	<i>Danaus genutia</i> (Cramer)	Striped Tiger	Bhopal, Balaghat, Chhatarpur, Chhindwara, Gwalior, Hoshangabad, Jabalpur, Jhabua, Mandla, Mandsaur, Sagar, Seoni, Shahdol, Shivpuri, Sidhi, Tikamgarh, Ujjain, Umaria (Chandra et al., 2000a; Chandra et al., 2002; Choudhary & Khan, 2002.)
41	<i>Tirumala limniace leopardus</i> (Butler)	Blue Tiger	Balaghat, Bhopal, Dhar, Hoshangabad, Indore, Jhabua, Mandla, Panna, Seoni, Umaria (Chandra et al., 2000b; Chandra et al., 2002; Choudhary & Khan, 2002.)
Subfamily: Euploeinae			
42	<i>Euploea core core</i> (Cramer)	Common Indian Crow	Balaghat, Bind, Chhindwara, Dhar, Indore, Jabalpur, Jhabua, Mandla, Morena, Seoni, Shivpuri, Sidhi, Sihore, Umaria (Chandra et al., 2000a,b; Chandra

Species	Common Name	Distribution	
		Madhya Pradesh	Chhattisgarh
43 <i>Euploea mulciber</i> (Cramer)	Striped Blue Crow	<i>et al.</i> , 2002; Choudhary & Khan, 2002.)	
IV Family: Satyridae			
Subfamily: Satyrinae			
Tribe: Melanitini			
44 <i>Melanitis leda ismene</i> (Cramer)	Common Evening Brown	Balaghat, Chhattarpur, Jabalpur, Mandla, Mandsaur, Morena, Ratlam, Seoni, Sidhi, Tikamgarh, Ujjain, Umaria (Chandra <i>et al.</i> , 2000a,b; Chandra <i>et al.</i> , 2002; Choudhary & Khan, 2002.)	Bastar, Dantewara, Kanker, Sarguja, (Gupta & Shukla, 1987; Singh & Chandra, 2002; Chandra, 2006)
45 <i>Melanitis phedima bethami</i> de Niceville	Dark Evening Brown	Balaghat, Hoshangabad (Choudhary & Khan, 2002)	
46 <i>Melanitis phedima varaha</i> Moore	Dark Evening Brown	Hoshangabad (Larsen, 1988)	
47 <i>Melanitis zitenius zitenius</i> (Herbst)	Great Evening Brown		Bastar, Dantewara (Gupta & Shukla, 1987; Singh & Chandra, 2002)
Tribe: Elymniini			
48 <i>Elymnias hypermnestra undularis</i> (Drury)	Common Palmfly		Bastar, Dantewara (Gupta & Shukla, 1987; Singh & Chandra, 2002)
Tribe: Lethini			
49 <i>Lethe rohria</i> (Fabricius)	Common Tree Brown	Balaghat, Hoshangabad, Mandla, Panna, Umaria (Siddiqui & Singh, 2004; Choudhary & Khan, 2002; Chandra <i>et al.</i> , 2000b)	Bastar (Chandra, 2006)
50 <i>Lethe europa europa</i> (Fabricius)	Bamboo Tree Brown	Balaghat, Hoshangabad, Mandla, Umaria (Chandra <i>et al.</i> , 2000b; Choudhary & Khan, 2002)	Bastar, Raipur (Singh & Chandra, 2002)
51 <i>Lethe drypetis</i> Hewitson	Tamil Tree Brown		Bastar, Bilaspur (Chandra, 2006)
Tribe: Mycalesini			
52 <i>Mycalesis igilia mercea</i> Evans	Small Long-brand Bush Brown		Hoshangabad (Evans, 1932)
53 <i>Mycalesis lepcha bethami</i> (Moore)	Lepcha Bush Brown	Hoshangabad (Evans, 1932)	Bilaspur (unpublished data)
54 <i>Mycalesis mineus</i> (Linn.)	Dark Branded Bush Brown	Hoshangabad, Seoni (Chandra <i>et al.</i> , 2000b; 2002)	Bilaspur (unpublished data)
55 <i>Mycalesis pereus tabitha</i> (Fabricius)	Common Bush Brown	Hoshangabad, Panna (Chandra <i>et al.</i> , 2000b; Siddiqui & Singh, 2004)	Bastar, Dantewara, Kanker (Gupta & Shukla, 1987; Singh & Chandra, 2002; Chandra, 2006)
56 <i>Mycalesis visala visala</i> Moore	Long brand- Bush Brown	Hoshangabad, Panna (Siddiqui & Singh, 2004; Betham, 1890-91)	Bastar, Dantewara, Kanker (Singh & Chandra, 2002)
57 <i>Orsotriaena medus medus</i> (Fabricius)	Nigger	Bastar, Dantewara (Gupta & Shukla, 1987; Singh & Chandra, 2002; Chandra, 2006)	
Tribe: Ypthimini			
58 <i>Ypthima asterope</i> (Klug)	Common Threering	Balaghat, Hoshangabad, Mandla, Nimar, Seoni, Umaria (Witt, 1909; Chandra <i>et al.</i> , 2000b, 2002; Choudhary & Khan, 2002)	
59 <i>Ypthima huebneri</i> Kirby	Common Fourring	Balaghat, Hoshangabad, Mandla, Umaria (Chandra <i>et al.</i> , 2000b; Choudhary & Khan, 2002)	Bastar (Gupta & Shukla, 1987)
60 <i>Ypthima baldus satpura</i> Evans	Common Fivering	Hoshangabad (Evans, 1932), Umaria (Choudhary & Khan, 2002)	
61 <i>Ypthima ceylonica ceylonica</i> Hewitson	White or Ceylon Fourring	Hoshangabad (Chandra <i>et al.</i> , 2000b)	Bastar, Dantewara (Singh & Chandra, 2002), (Chandra, 2006)
62 <i>Ypthima inica</i> Hewitson	Lesser Three-ring	Hoshangabad (Chandra <i>et al.</i> , 2000b)	
63 <i>Ypthima lisandra striata</i> Hampson	Jewel Fourring	M.P. (Larsen, 1988; Wynter-Blyth, 1957)	
V Family: Nymphalidae			
Subfamily: Biblidinae			
64 <i>Ariadne merione</i> (Cramer)	Common Castor	Panna (Siddiqui & Singh, 2004), Umaria (Choudhary & Khan, 2002)	Bastar, Raigarh (Gupta & Shukla, 1987; Singh & Chandra, 2002)
65 <i>Byblia ilithyia</i> Drury	Joker	Nimar (Witt, 1909; Wynter-Blyth, 1957)	
Subfamily: Agrynninae			
Tribe: Argynnini			
66 <i>Argyreus hyperbius hyperbius</i> Drury	Indian Fritillary	Hoshangabad (Chandra, <i>et al.</i> , 2000b)	Bastar, Dantewara, Kanker (Gupta & Shukla, 1987; Singh & Chandra, 2002; Chandra, 2006)
67 <i>Phalanta phalantha</i> (Drury)	Common Leopard	Balaghat, Bhopal, Chhattarpur, Hoshangabad, Jabalpur, Mandla, Seoni, Shahdol, Shivpuri, Sidhi, Umaria (Chandra <i>et al.</i> , 2000a; Chandra <i>et al.</i> , 2002; Choudhary & Khan, 2002)	
68 <i>Phalanta alcippe</i> Stoll	Small Leopard		Bastar, Dantewara (Chaudhury,

Species	Common Name	Distribution	
		Madhya Pradesh	Chhattisgarh
			1995; Singh & Chandra, 2002)
Subfamily: Nymphalinae			
Tribe: Vanessidi			
69	<i>Cynthia cardui</i> (Linn.)	Painted Lady	Balaghat, Mandla, Seoni, Shivpuri, Umaria (Chandra, <i>et al.</i> , 2002; Choudhary & Khan, 2002)
70	<i>Precis iphita pluvialtilis</i> Fruhstorfer	Chocolate Pansy	Balaghat, Chhindwara, Hoshangabad, Jabalpur Mandla, Panna, Umaria (Siddiqui & Singh, 2004; Choudhary & Khan, 2002)
71	<i>Junonia atlites</i> (Linn.)	Grey Pansy	Balaghat, Bhopal, Chhindwara, Jabalpur, Mandla, Panna, Seoni, Umaria (Siddiqui & Singh, 2004; Chandra <i>et al.</i> , 2002; Choudhary & Khan, 2002)
72	<i>Junonia almana almana</i> (Linn.)	Peacock Pansy	Balaghat, Chhindwara, Jabalpur, Mandla, Morena, Panna, Seoni, Shahdol, Shivpuri, Umaria (Siddiqui & Singh, 2004; Chandra <i>et al.</i> , 2002; Choudhary & Khan, 2002)
73	<i>Junonia hierta hierta</i> (Fabricius)	Yellow Pansy	Balaghat, Bhopal, Hoshangabad, Jabalpur, Mandla, Panna, Seoni, Umaria (Siddiqui & Singh, 2004; Chandra <i>et al.</i> , 2002; Choudhary & Khan, 2002)
74	<i>Junonia orithya swinhoi</i> Butler	Blue Pansy	Balaghat, Bhind, Bhopal, Chhattarpur, Hoshangabad, Jabalpur, Mandla, Morena, Panna, Seoni, Shivpuri, Sidhi, Tikamgarh, Ujjain, Umaria (Siddiqui & Singh, 2004; Chandra <i>et al.</i> , 2002; Choudhary & Khan, 2002; Chandra <i>et al.</i> , 2000a)
75	<i>Junonia lemonias vaisya</i> (Fruhstorfer)	Lemon Pansy	Balaghat, Bhind, Bhopal, Chhattarpur, Hoshangabad, Jabalpur, Mandla, Mandsaur, Panna, Seoni, Shivpuri, Sidhi Tikamgarh, Ujjain, Umaria (Siddiqui & Singh, 2004; Chandra <i>et al.</i> , 2002; Choudhary & Khan, 2002; Chandra <i>et al.</i> , 2000a,b)
Tribe: Hypolimini			
76	<i>Kallima inachus huegeli</i> (Kollar)	Orange Oakleaf	Hoshangabad, Panna, Umaria (Chandra <i>et al.</i> , 2000b; Choudhary & Khan, 2002; Siddiqui & Singh, 2004)
77	<i>Hypolimnas bolina</i> (Linn.)	Great Eggfly	Balaghat, Bhopal, Chhindwara, Indore, Jabalpur, Mandla, Ratlam, Seoni, Shahdol, Shivpuri, Umaria (Chandra <i>et al.</i> , 2002; Choudhary & Khan, 2002)
78	<i>Hypolimnas misippus</i> (Linn.)	Danaid Eggfly	Balaghat, Bhind, Bhopal, Chhattarpur, Chhindwara, Hoshangabad, Indore, Jabalpur, Jhabua, Mandla, Mandsaur, Morena, Panna, Ratlam, Seoni, Shahdol, Shivpuri, Sidhi, Tikamgarh, Ujjain, Umaria (Chandra <i>et al.</i> , 2000a,b; Chandra <i>et al.</i> , 2002; Choudhary & Khan, 2002; Siddiqui & Singh, 2004)
Subfamily: Limenitidinae			
Tribe: Neptini			
79	<i>Neptis hylas astola</i> Moore	Common Sailer	Balaghat, Chhindwara, Hoshangabad, Jabalpur, Mandla, Panna, Shahdol, Umaria (Siddiqui & Singh, 2004; Choudhary & Khan, 2002; Chandra <i>et al.</i> , 2000b)
80	<i>Neptis jumbah</i> Moore	Chestnut-streaked Sailer	Balaghat, Hoshangabad, Mandla (Chandra <i>et al.</i> , 2000b; Choudhary & Khan, 2002.)
81	<i>Neptis nandina hampsoni</i> Moore	Clear Sailer	M.P. (Larsen, 1988)
82	<i>Neptis soma</i> Moore	Sullied Sailer	Balaghat, Jabalpur, Mandla (Choudhary & Khan, 2002)
83	<i>Phaedyma collumella</i> (Cramer)	Short Banded Sailer	Balaghat, Hoshangabad, Mandla, Umaria (Chandra <i>et al.</i> , 2000b; Choudhary & Khan, 2002)
84	<i>Pantoporia hordonia hordonia</i> (Stoll)	Common Lascar	
			Bastar, Dantewara (Gupta & Shukla, 1987; Singh & Chandra, 2002; Chandra, 2006)
Tribe: Limenitidini			
85	<i>Athyma nefte</i> Cramer	Colour Sergeant	Bastar (Chandra, 2006)
86	<i>Athyma ranga ranga</i> Moore	Blackvein Sergeant	Bastar (unpublished data)
87	<i>Athyma selenophora</i> (Kollar)	Staff Sergeant	Balaghat, Mandla, Umaria (Choudhary & Khan, 2002)
			Bastar, Bilaspur, Dantewara (Singh & Chandra, 2002)
88	<i>Athyma perius</i> (Linn.)	Common Sergeant	Chhindwara, Hoshangabad, Panna, Umaria (Siddiqui & Singh, 2004; Choudhary & Khan, 2002; Chandra <i>et al.</i> , 2000b)
			Bastar, Bilaspur, Dantewara (Gupta & Shukla, 1987; Singh & Chandra, 2002)

Species	Common Name	Distribution	
		Madhya Pradesh	Chhattisgarh
89 <i>Modusa procris procris</i> (Cramer)	Commander	Balaghat, Mandla, Panna, Umaria (Choudhary & Khan, 2002; Siddiqui & Singh, 2004)	Bastar, Bilaspur (Singh & Chandra, 2002; Chandra, 2006)
Tribe: Euthaliini			
90 <i>Tanaecia lepidea</i> (Butler)	Grey Count	Balaghat, Mandla, (Choudhary & Khan, 2002)	Bastar, Bilaspur, Dantewara (Gupta & Shukla, 1987; Singh & Chandra, 2002; Chandra, 2006)
91 <i>Symphaedra nais</i> (Forster)	Baronet	Balaghat, Chhindwara, Jabalpur, Mandla, Panna, Seoni, Sidhi, Shahdol, Umaria (Siddiqui & Singh, 2004; Choudhary & Khan, 2002; Chandra <i>et al.</i> , 2000)	Bastar, Dantewara (Gupta & Shukla, 1987; Singh & Chandra, 2002; Chandra, 2006)
92 <i>Euthalia aconthea garuda</i> (Moore)	Common Baron	Balaghat, Mandla, Panna, Umaria (Siddiqui & Singh, 2004; Choudhary & Khan, 2002.)	Bastar, Sarguja (Gupta & Shukla, 1987; Singh & Chandra, 2002; Chandra, 2006)
93 <i>Euthalia lubentina</i> (Cramer)	Gaudy Baron	Balaghat, Mandla, Umaria (Choudhary & Khan, 2002)	Bastar (Chandra, 2006)
Subfamily: Charaxinae			
Tribe: Charaxini			
94 <i>Polyura athamas</i> (Drury)	Common Nawab	Indore, Nimar (Witt, 1909; Wynter-Blyth, 1957)	Bastar (unpublished data)
95 <i>C haraxes bernardus</i> Fabricius	Tawny Rajah	Balaghat, Mandla, Umaria (Choudhary & Khan, 2002)	Bastar (Chandra, 2006)
96 <i>Charaxes solon</i> Fabricius	Black Rajah	Balaghat, Mandla, Panna, Umaria (Choudhary & Khan, 2002; Siddiqui & Singh, 2004)	Bastar, Bilaspur (Chandra, 2006)
Subfamily: Acraeinae			
97 <i>Acraea terpsicore</i> (Linn)	Tawny Coster	Balaghat, Bhopal, Chhattarpur, Chhindwara, Hoshangabad, Jabalpur, Mandla, Panna, Seoni, Tikamgarh, Ujjain, Umaria (Chandra <i>et al.</i> , 2000b; Choudhary & Khan, 2002; Chandra <i>et al.</i> , 2002; Siddiqui & Singh, 2004)	Bastar, Bilaspur, Dantewara (Gupta & Shukla, 1987; Singh & Chandra, 2002; Chandra, 2006)
VI Family: Riodinidae			
Subfamily: Riodininae			
98 <i>Abisara echerius suffusa</i> Moore	Plum Judy	Balaghat, Hoshangabad, Nimar, Chhindwara, Mandla, Umaria (Witt, 1909; Chandra <i>et al.</i> , 2000b; Choudhary & Khan, 2002)	Bastar, Dantewara (Gupta & Shukla, 1987; Singh & Chandra, 2002; Chandra, 2006)
VII Family: Lycaenidae			
Subfamily: Curetinae			
99 <i>Curetis bulis</i> Westwood	Bright Sunbeam	Hoshangabad (Betham, 1890-91; Wynter-Blyth, 1957)	Bastar (unpublished data)
100 <i>Curetis dentata dentata</i> Moore	Toothed Sunbeam	Hoshangabad, Panna (deNiceville, 1890; Evans, 1932; Siddiqui & Singh, 2004)	
101 <i>Curetis thetis thetis</i> (Drury)	Indian Sunbeam	Hoshangabad (Betham, 1890-91)	
Subfamily: Polyommatainae			
Tribe: Polyommataini			
102 <i>Prosotas noreia</i> Felder	White-Tipped Line Blue	Umaria (Choudhary & Khan, 2002)	
103 <i>Caleta decidia</i> Hewitson	Angled Pierrot		Bastar, Dantewara (Gupta & Shukla, 1987; Singh & Chandra, 2002)
104 <i>Jamides bochus bochus</i> (Cramer)	Dark Cerulean	Nimar (Witt, 1909; Betham, 1890-91)	
105 <i>Jamides celeno aelianus</i> (Fabricius)	Common Cerulean	Balaghat, Hoshangabad, Mandla, Panna, Umaria (Siddiqui & Singh, 2004; Choudhary & Khan, 2002; Chandra, 2000b)	Bastar, Dantewara (Gupta & Shukla, 1987; Singh & Chandra, 2002)
106 <i>Jamides alecto</i> Felder	Mettalic Cerulean		Bastar (Chandra, 2006)
107 <i>Catochrysops strabo strabo</i> (Fabricius)	Forget-Me-Not	Seoni, Sidhi (Chandra <i>et al.</i> , 2000a & 2002)	Bastar, Bilaspur, Dantewara (Gupta & Shukla, 1987; Singh & Chandra, 2002; Chandra, 2006)
108 <i>Lampides boeticus</i> (Linn.)	Pea Blue	Balaghat, Mandla, Panna, Sidhi, Umaria (Siddiqui & Singh, 2004; Choudhary & Khan, 2002; Chandra <i>et al.</i> , 2000)	Bastar, Bilaspur, Dantewara, Kanker (Gupta & Shukla, 1987; Singh & Chandra, 2002)
109 <i>Leptotes plinius</i> (Fabricius)	Zebra Blue	Balaghat, Mandla, Panna (Siddiqui & Singh, 2004); Umaria (Choudhary & Khan, 2002)	Bastar, Dantewara (Gupta & Shukla, 1987; Singh & Chandra, 2002)
110 <i>Castalius rosimon rosimon</i> (Fabricius)	Common Pierrot	Balaghat, Hoshangabad, Mandla, Panna, Seoni, Sidhi, Umaria (Chandra <i>et al.</i> , 2000a,b; Choudhary & Khan, 2002; Chandra <i>et al.</i> , 2002; Siddiqui & Singh, 2004)	Bastar, Bilaspur, Dantewara (Gupta & Shukla, 1987; Singh & Chandra, 2002)
111 <i>Tarucus callinara</i> Butler	Spotted Pierrot		Bastar, Dantewara (Gupta & Shukla 1987; Singh & Chandra, 2002)

Species	Common Name	Distribution	
		Madhya Pradesh	Chhattisgarh
112	<i>Tarucus indica</i> Evans		Bastar (unpublished data)
113	<i>Tarucus nara</i> (Kollar)	Rounded Pierrot	Bastar (unpublished data)
114	<i>Tarucus balkanica nigra</i> (Bethune-Baker)	Black Spotted Pierrot	
115	<i>Zizeeria knysna karsandra</i> (Moore)	Dark Grass Blue	Bastar, Dantewara, Kanker (Gupta & Shukla, 1987; Singh & Chandra, 2002)
116	<i>Zizina otis sangra</i> (Moore)	Lesser Grass Blue	Bastar, Dantewara, Kanker (Singh & Chandra, 2002)
117	<i>Pseudozizeeria maha</i> (Kollar)	Pale Grass Blue	Dantewara (Gupta & Shukla, 1987; Singh & Chandra, 2002)
118	<i>Zizula hylax</i> Fabricius	Tiny Grass Blue	Bastar, Dantewara, Kanker (Gupta & Shukla, 1987; Singh & Chandra, 2002)
119	<i>Everes lacturnus</i> Godart	Indian Cupid	
120	<i>Talicauda nyseus</i> Guerin Meneville	The Red Pierrot	
121	<i>Pithecopis corvus</i> Fruhstorfer	Quaker	Bastar (unpublished data)
122	<i>Azonus ubaldus</i> Stoll	Bright Babul Blue	
123	<i>Azonus uranus</i> Butler	Dull Babul Blue	
124	<i>Celastrina lavendularis puspa</i> (Moore)	Plain Hedge Blue	
125	<i>Acytolepis lilacea</i> Hampson	Hampson's Hedge Blue	
126	<i>Acytolepis puspa</i> Horsfield	Common Hedge Blue	
127	<i>Euchrysops cnejus</i> (Fabricius)	Gram Blue	Bastar, Dantewara, Kanker (Gupta & Shukla, 1987; Singh & Chandra, 2002)
128	<i>Chilades laius laius</i> (Cramer)	Lime Blue	
129	<i>Chilades parrhasius</i> (Fabricius)	Small Cupid	
130	<i>Chilades pandava</i> (Horsfield)	Plains Cupid	Bastar (Gupta & Shukla, 1987; Singh & Chandra, 2002)
131	<i>Freyeria trochilus putli</i> (Kollar)	Grass Jewel	
Subfamily: Aphnaeinae			
132	<i>Spindasis vulcanus vulcanus</i> Fabricius	Common Silverline	Bastar (Gupta & Shukla, 1987)
133	<i>Spindasis ictis ictis</i> (Hewitson)	Shot Silverline	
134	<i>Spindasis elima elima</i> (Moore)	Scarce Shot Silverline	
Subfamily: Theclinae			
Tribe: Arhopalini			
135	<i>Narathura amantes</i> Hewitson	Large Oakblue	Bastar, Bilaspur (Chandra, 2006)
136	<i>Narathura atrax</i> Hewitson	Dark Broken-Band Oakblue	Bilaspur (unpublished data)
137	<i>Narathura pseudocentaurus</i> (Doubleday)	Western Centaur Oakblue	Bastar (unpublished data)
Tribe: Amblypodini			
138	<i>Amblypodia anita</i> (Hewitson)	Leaf Blue	
139	<i>Iraota timoleon timoleon</i> (Stoll)	Blue Silver Streak	Bastar (Chandra, 2006)
Tribe: Loxurini			
140	<i>Loxura atymnuscontinentalis</i> Fruhstorfer	Yamfly	Bastar, Bilaspur (Gupta & Shukla 1987)
Tribe: Iolaini			
141	<i>Pratapa deva</i> (Moore)	White Royal	
142	<i>Tajuria cippus</i> (Fabricius)	Peacock Royal	Bastar, Bilaspur (unpublished data)
143	<i>Tajuria jehana</i> Moore	Plains Blue Royal	Bastar (Gupta & Shukla, 1987; Singh & Chandra, 2002)
Tribe: Hypolycaenini			
144	<i>Chilaria othona</i> (Hewitson)	Orchid Tit	Bastar (Wynter-Blyth, 1957)
Tribe: Deudorigini			
145	<i>Virachola isocrates</i> (Fabricius)	Common Guava Blue	

Species	Common Name	Distribution	
		Madhya Pradesh	Chhattisgarh
146 <i>Rapala iarbus</i> Fabricius	Indian Red Flash	Balaghat, Chhindwara, Hoshangabad, Jabalpur, Jhabua, Mandla, Panna, Seoni, Sidhi, Umaria (Chandra <i>et al.</i> , 2000a,b; Chandra <i>et al.</i> , 2002; Choudhary & Khan, 2002; Siddiqui & Singh, 2004)	Bastar, Bilaspur (Chandra, 2006)
147 <i>Rapala manea schistacea</i> (Moore)	Slate Flash		Bastar (Chandra, 2006)
Suborder: Grypocera			
VIII Family: Hesperiiidae			
Subfamily: Coeliadinae			
148 <i>Bibasis sena</i> Moore	Orange Tailed Awlet	Hoshangabad (Betham, 1890-91)	
149 <i>Hasora chromus</i> Cramer	Common Banded Awl	Balaghat, Mandla, Panna, Umaria (Siddiqui & Singh, 2004; Choudhary & Khan, 2002.)	Bastar (Chandra, 2006)
150 <i>Badamia exclamationis</i> (Fabricius)	Brown Awl	Sidhi, Umaria (Chandra <i>et al.</i> , 2000; Choudhary & Khan, 2002)	Bilaspur (unpublished data)
Subfamily: Pyrginae			
151 <i>Celaenorrhinus ambareesa</i> (Moore)	Malabar Flat	Balaghat, Hoshangabad, Mandla, Umaria (Chandra, <i>et al.</i> , 2000b; Choudhary & Khan, 2002)	
152 <i>Celaenorrhinus leucocera</i> (Kollar)	Common Spotted Flat	M.P.(Ghosh & Chaudhury, 1997)	Bastar (Chandra, 2006)
153 <i>Coladenia indrani</i> (Moore)	Tricolour Pied Flat	Nimar (Witt, 1909; Betham, 1890-91)	
154 <i>Sarangesa purendra</i> (Moore)	Spotted Small Flat	Umaria (Choudhary & Khan, 2002)	
155 <i>Sarangesa dasahara</i> (Moore)	Common Small Flat	Umaria (Choudhary & Khan, 2002)	
156 <i>Gerosis bhagava</i> (Moore)	Common Yellow-breast Flat	Hoshangabad (Betham, 1890-91; Chandra <i>et al.</i> , 2000b)	
157 <i>Tagiades japetus atticus</i> (Fabricius)	Suffused Snow Flat	M.P. (Wynter-Blyth, 1957)	
158 <i>Odontoptilum ransonnettii</i> (R. Felder)	Golden Angle	Umaria (Choudhary & Khan, 2002.)	Bilaspur (unpublished data)
159 <i>Spialia galba</i> (Fabricius)	Indian Skipper	Balaghat, Mandla, Umaria (Choudhary & Khan, 2002)	Bastar, Bilaspur, Kanker (Gupta & Shukla, 1987; Singh & Chandra, 2002)
Subfamily: Hesperinae			
160 <i>Arnetta vindhiana</i> Moore	Vindhyan Bob	Indore, Wynter-Blyth, 1957)	
161 <i>Udaspes folus</i> (Cramer)	Grass Demon	Panna, Umaria (Siddiqui & Singh, 2004; Choudhary & Khan, 2002)	Bastar (Chandra, 2006)
162 <i>Telicota ancilla bambusae</i> (Moore)	Dark Palm Dart	Balaghat, Hoshangabad, Mandla, Panna, Seoni, Umaria (Siddiqui & Singh, 2004; Choudhary & Khan, 2002; Chandra <i>et al.</i> , 2002; Chandra <i>et al.</i> , 2000)	Bastar (Chandra, 2006)
163 <i>Pelopidas mathias mathias</i> (Fabricius)	Small Branded Swift	Balaghat, Hoshangabad, Mandla, Panna, Seoni, Sidhi, Umaria (Siddiqui & Singh, 2004; Choudhary & Khan, 2002; Chandra <i>et al.</i> , 2002; Chandra <i>et al.</i> , 2000a,b)	Bastar (Chandra, 2006)
164 <i>Pelopidas assamensis</i> (Wood-Mason & de Niceville)	Great Swift	M.P. (Wynter-Blyth, 1957)	
165 <i>Caltoris kumara</i> Moore	Blank Swift		Bastar, Bilaspur (unpublished data)
166 <i>Suastus gremius</i> (Fabricius)	Indian Palm Bob	Balaghat, Mandla, Umaria (Choudhary & Khan, 2002)	Bilaspur (unpublished data)
167 <i>Taractrocera maevius</i> (Fabricius)	Common Grass Dart	M.P. (Ghosh & Chaudhury, 1997)	
168 <i>Potanthus confucius</i> (Felder)	Tropic Dart	M.P. (Ghosh & Chaudhury, 1997)	
169 <i>Potanthus pseudomaesa</i> Moore	Common Dart	Central Provinces (Evans, 1932)	
170 <i>Parnara naso bada</i> (Moore)	Straight Swift	Central India (Evans, 1932; Ghosh & Chaudhary, 1997)	
171 <i>Baoris farri farri</i> (Moore)	Paintbrush Swift	Central India (Ghosh & Chaudhary, 1997)	Bilaspur (unpublished data)
172 <i>Borbo cinnara</i> Walker	Rice Swift	Balaghat, Mandla, Seoni, Sidhi, Umaria (Chandra, <i>et al.</i> , 2000a; Choudhary & Khan, 2002)	
173 <i>Borbo bevani</i> Moore	Bevan's Swift	Indore, Nimar (Witt, 1909; Wynter-Blyth, 1957)	Bastar (Chandra, 2006)
174 <i>Matapa aria</i> (Moore)	Common Redeye	Sidhi, Umaria (Chandra <i>et al.</i> , 2000a; Choudhary & Khan, 2002)	

India (Lepidoptera: Rhopalocera). *Journal of the Bombay Natural History Society* 85(1) : 26-43.

Siddiqui, A. & S.P. Singh (2004). A checklist of the butterfly diversity of Panna Forest (M.P). *National Journal of Life Sciences* 1(2): 403-406.

Singh, R.K. (1977). On a collection of butterflies (Insecta) from Bastar district, Madhya Pradesh, India, *Newsletter Zoological Survey of India* 3(5): 323-326.

Singh, R.K. & K. Chandra (2002). An inventory of butterflies of Chhattisgarh. *Journal of Tropical Forestry* 18(1): 67-74.

Smetacek, P. (2006). Checklist of South Asian Skipper Butterflies (Lepidoptera: Hesperiiidae). *Bionotes* 8(4): 92-95.

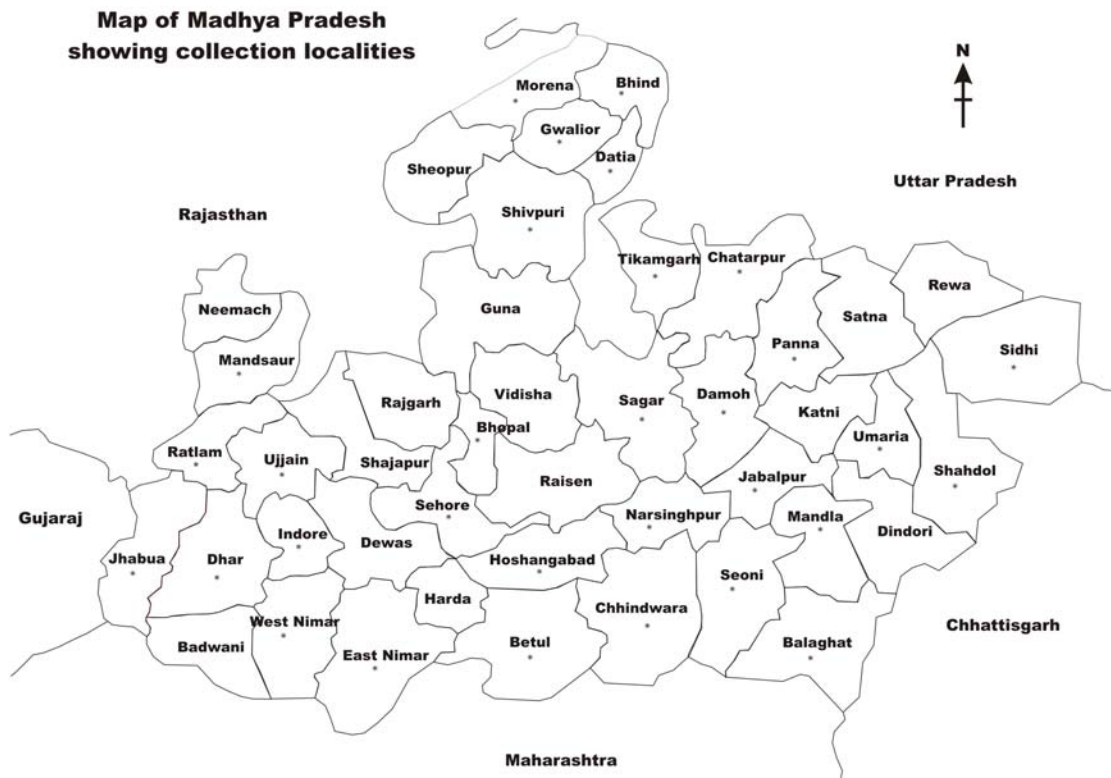
Smetacek, P. (2007). Checklist of South Asian Skipper Butterflies (Lepidoptera: Hesperiiidae). *Bionotes* 9(1): 13-17.

Swinhoe, C. (1886). On the Lepidoptera of Mhow. *Proceedings of Zoological Society of London* 421-465pp.

Talbot, G. (1939). *The Fauna of British India Including Ceylon and Burma, Butterflies - 2nd Edition Vol 1*. Taylor & Francis Ltd., London, 600pp.

Talbot, G. (1947). *The Fauna of British India Including Ceylon and Burma, Butterflies - 2nd Edition Vol 2*. Taylor & Francis Ltd., London, 506pp.

Varshney, R.K. (1993). Index *Rhopalocera indica*. Part III. Genera of butterflies from India and neighbouring countries (Lepidoptera: (A) Papilionidae, Pieridae and Danaidae). *Oriental Insect* 27: 347-372.



Map of Chhattisgarh showing collection localities

Varshney, R.K. (1994). Index *Rhopalocera indica*. Part III. Genera of butterflies from India and neighbouring countries (Lepidoptera: (B) Satyridae, Nymphalidae, Libytheidae and Riodinidae). *Oriental Insect* 28: 151-198.

Varshney, R.K. (1997). Index *Rhopalocera indica*. Part III. Genera of butterflies from India and neighbouring countries (Lepidoptera: (C) Lycaenidae). *Oriental Insect* 31: 83-138 A,B,C.

Varshney, R.K. (2006). An estimate of the numbers of butterfly species in the Indian Region. *Bionotes* 8(3): 61-63.

Witt, D.O. (1909). The butterflies (Rhopalocera) of the Nimar district, Central Provinces. *Journal of the Bombay Natural History Society* 19(3): 564-571.

Wynter-Blyth, M.A. (1957). *Butterflies of the Indian Region*. Bombay Natural History Society, Bombay, 523pp.

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