



Checklist of Orthoptera (Insecta) of Himachal Pradesh, India

M.S. Shishodia¹ & Sunilkumar Gupta²

¹Village Salarpur Kalan, P.O. Vidyutnagar, N.T.P.C., Dadri, District Gautam Budh Nagar, Uttar Pradesh, India

²74, Jankinagar (Santa Jee Colony), Jabalpur, Madhya Pradesh 482002, India

Email: ²sunil_gupta16@yahoo.com (corresponding author)

Orthopterans are popularly known as grasshoppers, crickets, mole-crickets, pigmy-mole-crickets and grouse locusts. The Orthoptera of Himachal Pradesh is known through the records of Hancock (1912, 1915), Bolivar (1914), Uvarov (1921, 1923, 1925, 1927 & 1942), Ramme (1933) and Dirsh (1958). Later, Chopard (1969), Bhowmik et al. (1977, 1982, 1983, 1984 & 1985), Singh & Tandon (1978), Julka et al. (1982), Ingrisch & Shishodia (1998), Shishodia & Tandon (2000), Mehta et al. (2002), Shishodia et al. (2003), Thakur & Mattu (2006) and Shishodia (2008) added some more species to the fauna of Himachal Pradesh. Recently, Saini & Mehta (2007) reported 140 species from the state.

Remarks: The actual number of species in Saini & Mehta (2007) should have been 122 and not 140 as reported. Reporting the occurrence of *Paraconophyma pcalra* (Walk.), *Loxoblemmus fascipes* (Walk.), *Teleogryllus blennus* (Serville) and *Gryllus maculatus* Chopard was erroneous. Twelve species are synonyms. *Neoconocephalus palustris* (Blatchley) is a doubtful species. *Acrida turrita* Walk. is an African species.

While revising the work on Orthoptera of Himachal Pradesh, the authors came across more species, and hence this checklist with 165 species belonging to 105 genera under 16 families. Of these, 15 species are new records, marked with single asterisk (*) studied by the first author and species marked with double (**) asterisk are in the holdings of Zoological Survey of India, Kolkata. Twenty eight species are recorded by other workers but not reported by Saini & Mehta (2007). There are no records from Hamirpur, Kinnaur and Una districts till now.

References

Bei-Bienko, G.Y. & L.L. Mishchenko (1964). Locusts and grasshoppers

Date of publication (online): 26 November 2009

Date of publication (print): 26 November 2009

ISSN 0974-7907 (online) | 0974-7893 (print)

Editor: R.M. Sharma

Manuscript details:

Ms # o1923

Received 17 January 2008

Final received 01 December 2008

Finally accepted 11 September 2009

Citation: Shishodia, M.S. & S. Gupta (2009). Checklist of Orthoptera (Insecta) of Himachal Pradesh, India. *Journal of Threatened Taxa* 1(11): 569-572.

Copyright: © M.S. Shishodia & Sunilkumar Gupta 2009. Creative Commons Attribution 3.0 Unported License. JoTT allows unrestricted use of this article in any medium for non-profit purposes, reproduction and distribution by providing adequate credit to the authors and the source of publication.

of U.S.S.R. and adjacent countries Pt II. (Israel Program for Scientific Translations, Jerusalem 1964- Izdatelstvo Akademi Nauk S.S.S.R. Moskva, 1951), Leningrad: 1-291+1-IV.

- Bhowmik, H.K. (1977).** Studies on Indian crickets (Orthoptera: Insecta) with descriptions of two species. *Records of the Zoological Survey of India* 73: 23-39.
- Bhowmik, H.K. (1977).** Studies on some Indian crickets with new distributional records of the subfamily (Gryllinae: Gryllidae: Orthoptera). *Records of the Zoological Survey of India* 73: 229-238.
- Bhowmik, H.K. & K.N. Rui (1982).** Notes on a collection of grasshoppers (Orthoptera: Acrididae) from Siwalik hills. *Indian Museum Bulletin* 17: 48-54.
- Bhowmik, H.K. & P. Halder (1983).** Preliminary distributional records with remarks on little known species of Acrididae (Orthoptera: Insecta) from the western Himalayas (Himachal Pradesh). *Records of the Zoological Survey of India* 81: 167-191.
- Bhowmik, H.K., P. Halder & S. Sur (1984).** Records of *Pusana laevis* (Uvarov) (Insecta: Orthoptera: Acrididae) from Himalayas. *Bulletin of the Zoological Survey of India* 6(1-3): 319.
- Bhowmik, H.K. (1985).** Contribution to the gryllid fauna of the Western Himalayas (Orthoptera : Gryllidae). *Records of the Zoological Survey of India*, Misc. Publ. Occasional Paper, 73: 1-85.
- Bhowmik, H.K. (1985).** Outline of distribution with an index-Catalogue of Indian grasshoppers (Orthoptera: Acrididae). Part I. Subfamilies - Acridinae, Truxalinae, Gomphocerinae and Oedipodinae. *Records of the Zoological Survey of India* Misc. Publ. Occasional Paper no. 78: 1-51, table 1.
- Bhowmik, H.K. (1985).** Three new species of grasshoppers (Orthoptera: Acrididae) from India. *Bulletin of the Zoological Survey of India* 7(2-3): 291-296.
- Bolivar, I. (1914).** Estudios entomologicos Segunda parte. *Trab. Mus. Cienc. Nat. zool., Madrid (Ser. Zool.)* 20: 1-110.
- Chopard, L. (1969).** Fauna of India, Orthoptera, Grylloidea, Vol. 2. Zoological Survey of India, 421pp.
- Dirsh, V.M. (1958).** Revision of the genus *Eyprepocnemis* Fiebr., 1853 (Orthoptera: Acridoidea). *Proc. R. ent. Soc. Lond.* B 27: 33-45.
- Hancock, J.L. (1912).** Tetrigininae (Acridiinae) in the Agricultural Research Institute, Pusa, Bihar, With the descriptions of new species. *Mem. Dept. Agric. India, ent. Series* 4(2): 131-160(133).
- Hancock, J.L. (1915).** Indian Tetrigininae. *Records of the Indian Museum* 11: 55-132.
- Ingrish, S. & M.S. Shishodia (1998).** New species and records of Tettigoniidae from India (Ensifera). *Mitt. der Schweiz. Ent. Ges.* 71: 355-371.
- Ingrish, S. & M.S. Shishodia (2000).** New taxa and distribution records of tettigoniidae from India (Orthoptera : Ensifera). *Mitt. Munch.ent. Ges.*, 90: 5-37.
- Julka, J.M., S.K. Tandon, P. Halder & M.S. Shishodia (1982).** Ecological observations on the grasshoppers (Orthoptera: Acridoidea) in solan (H.P.), India. *Oriental Insects* 61: 63-71.
- Mehta, H.S., V.K. Mattu & S.K. Thakur (2002).** Orthopteran diversity of Kalatop-Khajjiar Wild Life Sanctuary, Chamba, Himachal Pradesh. *Bionotes* 4(3): 60.
- Ramme, W. (1933).** Beitrage zur Palaearctic Orthopteran fauna (Orth. : Tettig.) II. *Mitt. zool. Berl.*, 18: 416-434.
- Saini, K. & H.S. Mehta (2007).** An inventory of the Orthoptera insects of Himachal Pradesh. *Bionotes* 9(3): 76-78.
- Shishodia, M.S. & S.K. Tandon (2000).** Orthoptera, *Wetland Ecosystem series 2 Fauna of Renuka Wetland: 73-90.* (Zoological Survey of India).
- Shishodia, M. S., H.S. Mehta, V.K. Mattu & S.K. Thakur (2003).** Orthoptera (Insecta) from Pong dam wetland, district Kangra, Himachal Pradesh, India. *Zoos' Print Journal* 18(3): 1047-1048.
- Shishodia, M.S. (2008).** Insecta: Orthoptera, pp.45-49. In: *Fauna of Pin Valley National Park (Himachal Pradesh)*. (Published by Director, Zoological Survey of India, Kolkata).
- Singh, A. & S.K. Tandon (1978).** A new species of *Cataloipus* Bolivar, 1890 (Orthoptera: Acridoidea: Eyprepocnemidinae) from North West India. *Bulletin of Zoological Survey of India* 1(1): 61-64.
- Tandon, S.K. (1976).** A Check-list of the Acridoidea (Orthoptera) of India Part I. Acrididae. *Records of the Zoological Survey of India*, Misc.

OPEN ACCESS | FREE DOWNLOAD



Systematic Account

Order: Orthoptera

Suborder: Ensifera

Infraorder: Oniidea

Superfamily: Tettigonoidea

Family: Conocephalidae

1. *Conocephalus maculatus* (Le Guillou)
2. * *Euconocephalus nasutus* (Thunberg)
3. *Euconocephalus pallidus* (Redtenbacher)
4. *Neoconocephalus palustris* (Blatchley)

5. *Ducetia japonica* (Thunberg)

6. *Elimaea* (*Orthelimaea*) *securigera* Brunner
7. * *Hexacentrus unicolor* Serville
8. *Himertula kinneari* (Uvarov)
9. *Holochlora indica* Kirby
10. *Pseudorhynchus* sp.
11. *Ruspolia lineosus* (Walker)
12. *Isopsera pedunculata* Brunner
13. *Isopsera stylata* Brunner
14. *Letana despecta* (Brunner)
15. *Letana linearis* Walker
16. *Letana megaridula* Ingrisch
17. * *Phaneroptera gracilis* Burmeister
18. * *Phaneroptera myllocerca* Ragge

Family: Mecopodidae

19. *Mecopoda elongata* (Linnaeus)

Family: Pseudophyllidae

20. *Paramorsimus robustus* (Brunner)
21. *Onomarchus* sp.

Family: Tittigoniidae

22. *Plicigastrea himalayana* Uvarov, 1923
23. *Metrioptera himalayana* Ramme, 1930
24. * *Decticides* sp.

Infraorder: Gryllidea

Superfamily: Gryllotalpoidea

Family: Gryllotalpidae

25. *Gryllotalpa africana africana* (Beauvois)
(= *Gryllotalpa fossor* Scudder)

Superfamily: Grylloidea

Family: Gryllidae

26. * *Tarbinskiellus* (*Brachytrypes*) *portentosus* (Lichtenstein)
27. *Gymnogryllus kashmirensis* Bhowmik, 1967
28. *Acheta domesticus* (Linn.)
29. *Gryllus bimaculatus* De Geer
30. *Modicogryllus blennus* (Saussure)
31. *Modicogryllus confirmatus* (Walk.)
32. *Modicogryllus facialis* (Walker)
33. *Modicogryllus tikadari* Bhowmik, 1985
34. *Plebeiogryllus guttiventris* (Walker)
35. *Teleogryllus mitratus* (Burmeister)
(= *Teleogryllus testaceus* (Walker))
36. *Teleogryllus occipitalis* (Serville)
(= *Teleogryllus mitratus* Burm.)
37. *Platygyryllus brunneri* (Saussure)
(= *Gryllus brunneri* (Saussure))
38. *Platygyryllus melanocephalus* (Serville)
39. *Turanogryllus babaulti* Chopard
40. *Turanogryllus histrio* (Sauss.)
41. *Turanogryllus jammuensis* Bhowmik, 1967
42. *Turanogryllus rufoniger* (Chopard)
43. *Loxoblemmus detectus* (Serville)
44. *Loxoblemmus equestris* Saussure
45. *Loxoblemmus macrocephalus* Chopard
46. *Loxoblemmus taicoun* Saussure
47. *Velarifictorus dehradunensis* Tandon & Shishodia 1974
48. *Velarifictorus lambai* Bhowmik, 1985
49. *Gryllodes sigillatus* (Walker)
50. *Pteronemobius csikii* (Bolivar)
51. *Pteronemobius fascipes* (Walker)
52. *Pteronemobius pantelchopardorum*

- Shishodia & Varshney
53. *Pteronemobius taprobanensis* (Walker)

Sirmour

Family: Myrmecophilidae

54. *Myrmecophilus albicinctus* var.
concolor Chopard, 1928

Shimla

Family: Scleropteridae

55. *Acanthoplistus birmanus* Saussure

Bhowmik (1985), Saini & Mehta (2007) reported from the state

Family: Mogoplistidae

56. *Gotwendia albipennis* Chopard
57. *Ornebius* sp.

Sirmour
Bilaspur

Family: Phalangopsidae

58. *Homoeogryllus cincticornis* (Walker)

Kangra

Family: Trigonidiidae

59. *Anaxipha longipennis* (Serville)
60. *Trigonidium cicindeloides* Rambur
61. *Trigonidium humbertianum* (Saussure)

Sirmour
Kangra; Sirmour
Saini & Mehta (2007) reported from the state

Family: Eneopteridae

62. *Xenogryllus* sp.

Mandi. Saini & Mehta (2007) reported from the state

Suborder: Caelifera

Infraorder: Acrididea

Superfamily: Acridoidea

Family: Acrididae

Subfamily: Acridinae

63. *Acrida exaltata* (Walker)
(= *Acrida lugubris* Burr.)
64. *Acrida indica* Dirsh
65. *Acrida gigantea* Herbst
66. *Anaptygus rectus* Ragge
67. *Ceracris deflorata* (Brunner)
(= *Phlaeoba cinctalis* Kirby)
68. *Ceracris nigricornis nigricornis* Walker
69. *Ceracris nigricornis lacta* (Bolivar)
(= *Ceracris versicolor* Brunner)
70. *Ceracris striata* Uvarov
71. *Gelastorrhinus laticornis* (Serville)
72. *Gonista sagitta* (Uvarov)
73. *Holoperca darjeelingensis* (Bolivar)
74. *Orthochtha indica* Uvarov
75. *Paraduronia simoni* Bolivar
(= *Paraphlaeoba simoni* Bolivar)
76. *Phlaeoba antennata* Brunner
77. *Phlaeoba infumata* Brunner
78. *Phlaeoba panteli* Bolivar

Bilaspur, Chamba; Kangra;
Mandi; Sirmour; Solan
Saini & Mehta (2007) reported from the state
Saini & Mehta (2007) reported from the state
Lahaul & Spiti
Saini & Mehta (2007) reported from the state
Bilaspur; Chamba; Shimla; Solan
Saini & Mehta (2007) reported from the state
Sirmour
Saini & Mehta (2007) reported from the state
Saini & Mehta (2007) reported from the state
Mandi and Solan
Solan
Saini & Mehta (2007) reported from the state
Saini & Mehta (2007) reported from the state
Bilaspur, Kangra, Mandi, Sirmour
Bilaspur, Kangra, Mandi, Sirmour

Subfamily: Oedipodinae

79. *Acrotylus humbertianus* Saussure
80. *Acrotylus insubricus inficitus* (Walker)
81. *Aiolopus thalassinus tamulus* (Fabr.)
(= *Aeolopus tamulus* (Fabr.))
82. *Aiolopus thalassinus thalassinus* (Fabr.)
83. *Bryodemata luctuosum indum* (Saussure)
84. ** *Bryodemata tuberculatum* (Fabr.)
85. *Chloebora grossa* Sauss.
(= *Chloebora bramina* Sauss.)
86. *Gastrimargus africanus africanus* (Sauss.)
87. *Gastrimargus africanus sulphureus* Bei-Bienko
88. *Gastrimargus marmoratus* (Thunb.)
(= *Gastrimargus transverses* (Thunb.))
89. *Heteropternis respondens* (Walk.)
90. ** *Locusta migratoria ph. danica* (Linn.)
91. *Oedaleus abruptus* (Thunb.)
92. *Oedipoda himalayana* Uvarov
93. *Pusana laevis* (Uvarov)
94. *Scintharista blanchardiana* (Sauss.)

Kangra
Saini & Mehta (2007) reported from the state.
Bilaspur; Chamba; Kangra; Mandi
Solan
Lahaul & Spiti
Shimla
Shimla
Kangra; Kulu-Manali; Mandi; Shimla
Lahaul & Spiti; Shimla
Saini & Mehta (2007) reported from the state
Kangra
Kulu-Manali
Bilaspur; Chamba; Kangra; Mandi; Sirmour; Solan
Lahaul & Spiti
Kangra; Mandi

- (= *Quiroguesia blanchardiana* Sauss.)
 95. *Scintharista notabilis pallipes* Uvarov (= *Quiroguesia notabilis* Walk.)
 96. *Sphingonotus longipennis* Sauss. (= *Sphingonotus Indus* Sauss.)
 97. *Sphingonotus octofasciatus* (Serville); Bei-Bienko & Mishchenko, 1951
 98. ** *Sphingonotus eurasius eurasius* Mishchenko; Bei-Bienko & Mishchenko, 1951
 99. *Pseudosphingonotus savignyi* (Saussure) (= *Sphingonotus savignyi* Sauss.)
 100. *Trilophidia annulata* (Thunberg)
- Subfamily: Gomphocerinae**
 101. *Chorthippus (Chorthippus) indus* Uvarov
 102. *Chorthippus (Glyptobothrus) hammerstroemi* (Miram)
 103. *Chorthippus biguttulus biguttulus* (Linn.)
 104. *Chorthippus vagans* (Eversman)
 105. *Dnopherula (Aulacobothrus) luteipes* (Walker)
 106. *Dnopherula (Aulacobothrus) sinensis* (Uvarov)
 107. *Dnopherula (Aulacobothrus) socius* (Bolivar)
 108. *Madurea cephalotes* Bolivar
 109. *Mesopsis cylindricus* (Kirby) (= *Aswathamanus cylindricus* Kirby)
- Subfamily: Hemiacridinae**
 110. *Spathostemum prasiniferum prasiniferum* (Walk.)
 111. *Hieroglyphus banian* (Fabr.)
 112. *Hieroglyphus concolor* (Walk.)
 113. * *Hieroglyphus oryzivorus* Carl
 114. ** *Parahieroglyphus bilineatus* (Bolivar)
- Subfamily: Oxyinae**
 115. *Oxya hyla hyla* Serville
 116. *Oxya hyla intricata* (Stål)
 117. *Oxya fuscovittata* (Marschall)
 118. *Oxya velox* (Fabr.)
- Subfamily: Coptacridinae**
 119. *Eucoptacra praemorsa* (Stål)
 120. *Eucoptacra saturata* (Walk.)
- Subfamily: Calliptaminae**
 121.* *Caloptenopsis glaucopsis collina* Uvarov, 1950
- Subfamily: Tropidopolinae**
 122. *Oxyrrhepes obtusa* (De Haan)
- Subfamily: Eyprepocnemidinae**
 123. *Cataloipus himalayensis* Singh & Tandon, 1978
 124. ** *Choroedocus capensis* (Stål)
 125. *Choroedocus illustris* (Walk.)
 126. *Choroedocus robustus* (Serville)
 127. *Eyprepocnemis alacris alacris* (Serville)
 128. *Eyprepocnemis rosea* Uvarov, 1942
 129. *Heteracris nobilis* (Uvarov, 1942)
 130. *Tylotropidius varicornis* (Walk.)
 131. ** *Shirakiacris shirakii* (Bolivar)
- Subfamily: Catantopinae**
 132. *Diabolocantops innotabilis* (Walker)
 133. *Diabolocantops sukhdæ* Bhowmik, 1985
 134. *Catantops simlae* Dirsh, 1956
 135. *Xenocatantops humilis humilis* (Serville)
 136. *Xenocatantops jagabandhui* Bhowmik, 1985
 137. *Xenocatantops karnyi* (Kirby)
 138. *Paraconophyma scabra* (Walk.)

- Kangra; Mandi; Solan
 Saini & Mehta (2007)
 reported from the state
 Kangra; Kulu; Lahaul & Spiti; Mandi; Sirmour
 Saini & Mehta (2007)
 reported from the state
 Lahaul & Spiti
 Kangra
 Bilaspur; Kangra; Kulu; Mandi; Solan
 Lahaul; Shimla
 Kulu; Mandi; Solan
 Kangra
 Kangra
 Bilaspur; Kulu; Mandi; Shimla; Solan
 Saini & Mehta (2007)
 reported from the state
 Kangra
 Saini & Mehta (2007)
 reported from the state
 Saini & Mehta (2007)
 reported from the state
 Bilaspur; Kangra; Mandi; Sirmour; Solan
 Kulu; Mandi
 Saini & Mehta (2007)
 reported from the state
 Solan
 Mandi
 Chamba; Kangra; Kulu-Manali; Mandi
 Saini & Mehta (2007)
 reported from the state
 Chamba; Kangra; Solan
 Kulu-Manali; Mandi
 Saini & Mehta (2007)
 reported from the state
 Chamba; Kangra; Sirmour
 Saini & Mehta (2007)
 reported from the state
 Kangra; Sirmour
 Kulu; Solan
 Kulu; Kangra; Mandi; Sirmour; Solan
 Sirmour
 Himachal Pradesh
 Saini & Mehta (2007)
 reported from the state.
 Kangra
 Kulu- Manali
 Mandi; Sirmour; Solan
 Saini & Mehta (2007)
 reported from the state
 Kulu-Manali; Solan
 Kangra; Mandi; Sirmour; Solan
 Kulu-Manali; Mandi
 Solan
 Kangra
 Kulu; Mandi; Sirmour
 Kulu
 Solan
 Chamba; Lahaul-Spiti; Mandi; Sirmour; Solan
 Bilaspur; Mandi
 Bilaspur; Chamba; Kangra; Mandi; Sirmour; Solan
 Chamba; Kulu-Manali; Mandi; Shimla; Sirmour; Solan

- Subfamily: Cyrtacanthacridinae**
 139. *Pachyacris violascens* (Walk.)
 140. *Pachyacris vinosa* (Walker)
 141. *Chondracris rosea* (De Geer)
 142. *Cyrtacanthacris tatarica* (Linn.)
 143. *Patanga succincta* (Johansson)
- Family: Pyrgomorphae**
 144. *Aularches miliaris* (Linn.)
 145. *Aularches punctatus* Drury
 146. *Atractomorpha crenulata crenulata* (Fabr.)
 147. *Pyrgomorpha* sp.
 148. ** *Tagasta marginella* Thunberg
 149. *Poeciloceris pictus* (Fabr.)
 150. *Chrotogonus (Chrotogonus) trachypterus trachypterus* (Blanch.)
- Infraorder: Tetrigidea**
Superfamily: Tetrigoidea
Family: Tetrigidae
 151. *Fieberiana pachymera* (Fieber)
 152. *Eucrietettix grandis* (Hancock)
 153. *Eucrietettix montanus* (Hancock) (= *Crietettix montanus* Hancock, 1912)
 154. *Thoradonta* sp.
 155. *Teredorus frontalis* Hancock
 156. *Euparatettix variabilis* (Bolivar) (= *Euparatettix tenuis* Hancock)
 157. *Pseudoparatettix histricus* (Stål) (= *Euparatettix histricus* (Stål))
 158. *Hedotettix attenuatus* Hancock
 159. *Hedotettix costatus* Hancock
 160. *Hedotettix gracilis* Hancock
 161. *Coptotettix conspersus* Hancock
 162. *Ergatettix dorsiferus* (Walker)
 163. *Ergatettix güntheri* Steinmann
- Infraorder: Tridactylidea**
Superfamily: Tridactylloidea
Family: Tridactylidae
 164. *Tridactylus thoracicus* Guerin
 165. *Xya* sp.
- Kulu-Manali; Mandi
 Kangra; Mandi
 Mandi
 Chamba; Solan
 Chamba; Solan
 Bilaspur; Chamba; Kangra; Mandi; Sirmour; Shimla
 Kangra; Kulu; Sirmour
 Kangra
 Kulu-Manali
 Kangra
 Chamba; Kangra; Sirmour
 Saini & Mehta (2007)
 reported from the state
 Chamba; Mandi; Sirmour; Solan
 Shimla
 Sirmour
 Mandi; Shimla; Sirmour; Solan (Type species from Dharampur, 1500m)
 Sirmour
 Chamba
 Chamba; Kangra; Sirmour
 Saini & Mehta (2007)
 reported from the state
 Kangra; Sirmour
 Kulu; Solan
 Kulu; Kangra; Mandi; Sirmour; Solan
 Sirmour
 Sirmour
 Sirmour



Figure 1. Map of Himachal Pradesh

Publ., Occ. Paper 3: 1-48.

- Tandon, S.K. (1990).** Distributional pattern of grasshoppers of India: The distribution of genus *Hieroglyphus* Krauss (Orthoptera: Acridoidea: Acrididae) in the Indian region. *Hexapoda* 2(1-2): 1-8.
- Thakur, S.K. & V.K. Mattu (2006).** Orthoptera diversity of Pin Valley National Park, Lahaul and Spiti, India: Fauna of Protected areas, 27. *Zoos' Print Journal* 21(4): 2225.
- Uvarov, B.P. (1921).** Records and descriptions of Indian Acrididae. *Ann. Mag. Nat. Hist. London* 9(7): 480-509.
- Uvarov, B.P. (1923).** Some new or interesting Orthoptera from Persia, Baluchistan and Western Indian (with a plate). *Journal of the Bombay Natural History Society* 29(3): 643-652.
- Uvarov, B.P. (1925).** Insects: Orthopteres, Acrididae. In *Misson Guy Babault dans les Provinces Centrales de l' Inde et dans l' region occidentale de l' Himalaya*, 1914. Insectes. 40 pp. 1 pl. Paris.
- Uvarov, B.P. (1927).** Distributional records of Indian Acrididae. *Records of the Indian Museum* 29: 233-239.
- Uvarov, B.P. (1942).** Palaearctic Acrididae new to the Indian fauna. *Eos, Madrid* 18: 97-103.

