


## Information on Scientific Staff for Updating ZSI Website

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7	Broad Area of Specialization		Entomology								
8	Taxa Expertise		Collembola & Thysanura								
9	Complete list of publications	<b>45(Forty five)</b>  <b>(Annexure -1 attached)</b>	Arrange publications in following sub headings: <ol style="list-style-type: none"> <li>1. Books</li> <li>2. Monographs</li> <li>3. Papers in journals</li> <li>4. Papers in Symposium proceedings</li> <li>5. Popular articles</li> <li>6. Online articles/checklists/other resources (provide URL)</li> <li>7. Softwares/Electronic keys (provide URL)</li> </ol>								
10	Details of Taxa Described	Taxa name with author and year	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Class</th> <th>Order</th> <th>Family</th> <th>Publication Details</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Class	Order	Family	Publication Details				
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## ANNEXURE –I

### **\*BOOKS PUBLISHED: TWO**

**1. Mandal, G.P.** and A.K.Hazra.2007. Pictorial Handbook of Collembola (Insecta: Apterygota) (Part -1). *Zool. Surv. Ind. Hand book Series. Pages: 1-34 +plates 4.*  
(Published by the Director, *Zool. Surv. India*, Kolkata).

**2. Mandal, G.P.** and A.K.Hazra. 2007. Pictorial Handbook of Thysanura (Insecta: Apterygota). *Zool. Surv. Ind. Hand book Series. Pages: 1-43.* (Published by the Director, *Zool. Surv. India*, Kolkata).

### **\*OCCASIONAL PAPER PUBLISHED: TWO**

**1. Mandal, G.P.** and A. K. Hazra. **2007.** Impact of some heavy metal and microbial flora on soil micro fauna in reclaimed wetland embankment of Kolkata. *Records of the Zool. Surv. Ind. Occasional Paper No.266:* 1-40. Plates-41-47.

**2. Mandal, G.P.** and A.K.Hazra. **2009.** The Diversity of Collembola (Hexapoda) from East and North East India with some notes on their Ecology. *Records of the Zool. Surv. Ind. Occasional Paper. no. 298. pp 1-206.*

**\*RESEARCH PAPER PUBLISHED: FORTY ONE(41)**

- 1) **Mandal, G.P.**, Hazra, A.K. & S.K. Mitra, 2001. Diversity and distribution of Collembola (Apterygota: Insecta) from Sikkim Himalaya, *Orion Press. International*, Vol. **1**, pp. 144-148. (In Collaboration)
- 2) **Mandal, G.P.**, Hazra, A.K. and S.K. Mitra, 2001. Diversity and distribution of Collembola (Apterygota: Insecta) from Manipur. *Environment & Ecology.*, **19**(3):519 – 522. (In Collaboration)
- 3) **Mandal, G.P.** and Hazra, A.K. 2002. Collembola insects from Sri Venkateshara National Park, Tirupati, Andhra-Pradesh. *Bionotes*: **4**(4): 89.
- 4) **Mandal, G.P.**, Mitra, S.K. and A.K. Hazra, 2004. On some collection of Collembola (Apterygota: Insecta) from Uttaranchal, India. *Rec. Zool. Surv. Ind.*, **102** (3-4): 1-9.
- 5) **Mandal, G.P.**, A.K. Hazra, S. K. Mitra and B. Bhattacharyya, 2003. Insecta: Apterygota: Collembola. Fauna of Sikkim. *Zool. Surv. Ind. State fauna series.*, **9**(2): 109-123.
- 6) **Mandal, G.P.**, M. Biswas and A.K. Hazra, 2003. Insecta: Thysanura (Apterygota) Fauna of Sikkim. *State Fauna Series 9* (part 2) *Zool. Surv. Ind.*: 101-107.
- 7) **Mandal. G. P.**, A.K. Hazra and Mitra, S.K. 2004. Faunal diversity of Nayachar, a newly emerged Island: Orthoptera (Acridoidea). *Rec. Zool. Surv. Ind.* **102**(1-2): 83-95.

- 8) **Mandal, G.P.** and A.K. Hazra.2004. Diversity and distribution of Collembola (Insecta: Apterygota) from Western-ghat (part-I) *Orion Press Int.* vol. **III** pp. 499-504.
- 9) **Mandal, G.P.** and A.K. Hazra .2004. Studies on the diversity and distribution of Thysanura (Insecta) from Himachal Pradesh with Zoo-geographical relationship. *Orion Press Int.*, vol. **III**, pp. 505-509.
- 10) **Mandal, G.P.** and A.K. Hazra 2004. On a collection of Collembola (Insecta: Apterygota) from Ghastsila, Jharkhand. *Bionotes*, **6** (2):48.
- 11) **Mandal, G. P.** and A.K. Hazra.2004. On a collection of Collembola insects from Jammu and Kashmir. *Bionotes*, vol. **6** (1): pp. 30.
- 12). **Mandal,G.P.**, A.K.Hazra, S.K.Mitra and B.Bhattacharyya.2004.Insecta: Apterygota: Collembola. Fauna of Manipur. *State Fauna Series 10, Zool. Surv. Ind.* pp.: 51 – 66.
- 13) **Mandal, G.P.** and Hazra, A.K. 2004. On some collection of Collembola (Insecta: Apterygota) from Himachal Pradesh with zoo-geographical notes. *Bionotes*, **6**(4), pp.116.
- 14) **Mandal, G.P.** and A.K. Hazra. 2005. Notes on some Collembola (Apterygota: Insecta) from Rajasthan. *Rec. Zool. Surv. Ind.* **104**. (Part 1-2): 1-6.
- 15) **Mandal, G.P.**, Hazra, A.K. and M. K. Dey. 2005. Diversity and distribution of Arthropods fauna in relation to Mangrove vegetation on newly emerged Island on the River Hooghly, W.B. *Rec. Zool. Surv. Ind.*: **104** (part 3-4): 1-3.

- 16) Mandal, G.P.,** Hazra, A.K. and M. K. Dey. 2005. Different levels of Salinity with reference to Microbial changes in Nayachar Islands at Haldia, West Bengal. *Orion Press Int.*, vol. **IV**, pp. 10-14.
- 17) Mandal, G.P.,** K.K.Suman and Hazra, A.K. 2005. Soil arthropods communities in the decomposition of house hold garbage. *Bionotes*, **Vol.7** (2):58-59.
- 18) Mandal, G.P.** and Hazra, A.K. 2005. Insecta: Apterygota: Collembola. Fauna of Western Himalaya (**Part-2**). *Zool. Surv. India*. Pp.61-65
- 19) Mandal, G.P.** and B. Mitra.2006. Check list of mosquitoes from Andaman & Nicobar Islands. *Bionotes*, **Vol.8** (2):50.
- 20) Mandal, G.P.** and Hazra, A.K. 2006. Insecta: Collembola. Fauna of Nagaland. *Zool. Surv. Ind. State fauna series* **12**: pp. 67-74.
- 21) Mandal, G.P.** and Hazra, A.K. 2006. Insecta: Collembola. Fauna of Arunachal Pradesh. *Zool. Surv. Ind. State fauna series*, **13(Part 2)**: pp: 55-65
- 22) Mandal, G.P. and** A.K.Hazra. 2007. On some collection of Collembola (Insecta: Apterygota) from Pithoragarh distt. Uttaranchal. *Bionotes*, **Vol. 9**, No.1.pp.28
- 23) Mandal, G.P. and** A.K.Hazra. 2007. Insecta: Apterygota: Collembola. Fauna of Andhra Pradesh. *Zool. Surv. India. State Fauna Series*, **5(3)**: 87-104
- 24) Mandal, G.P. and** A.K.Hazra. 2007. Insecta: Apterygota: Thysanura. Fauna of Andhra Pradesh. *Zool. Surv. India. State Fauna Series*, **5(3)**: 105-113

- 25) **Mandal, G.P. and A.K.Hazra.** 2007. On a collection of Collembola (Insecta: Apterygota) from the Corbett National Park, Uttarakhand. *Bionotes*, **Vol. 9**, No.2,pp.64
- 26) **Mandal, G.P., S. K. Mandal and A.K.Hazra.** 2007. Short and Long horned grasshoppers, Grouse Locusts and Crickets from Kudremukh National Park, Karnataka, India. *Fauna of Conservation Area Series*, **32**:15-25
- 27) **Mandal, G.P., A.K.Hazra and K.K.Suman.** 2007. A study on the population of soil arthropods fauna in tobacco leaf litter bags buried under soil, a preliminary report. *Rec. Zool. Surv. Ind.***107** (3):57-62
- 28) **Mandal, G.P., A.K.Hazra and K.K.Suman.**2007. Role of soil Ph on the Collembolan fauna of two uncultivated fields of North 24 pgs, W.B. *Rec. Zool. Surv. Ind.* **107** (3):51-56
- 29) **Mandal, G.P., A.K.Hazra and K.K.Suman.**2007. Role of microbial population on the distribution of Collembola at waste disposal site, Dhapa, Kolkata. *Rec. Zool. Surv. Ind.* **107** (3):63-69
- 30) **Mandal, G.P., et.al.**2007.Collembolan fauna of Mizoram. *Zool. Surv. India. State fauna Series.* **14**:129-141
- 31) **Mandal, G.P.**2008. On a collection of Collembola Insects from the Okhla Reserve Forest, near Gaziabad(U.P).Uttarakhand. *Bionotes*, **Vol. 10**, No.1,pp.31
- 32) **Mandal, G.P.**2008. High altitudinal Collembola(Hexapoda) and their impact on Environment. A preliminary report. *Published in International seminar on High altitudinal fauna, Solan, Himachal Pradesh.October,2008.*

- 33) **Mandal, G.P. and A.K.Sanyal. 2009.** Soil invertebrate fauna of LADAK. *Envis News Letter*. Vol.no.15(1&2):13
- 34) **Mandal, G.P. and A.K.Hazra. 2010.** Insecta: Collembola. Fauna of Uttarakhand. *Zool. Surv. Ind. State fauna series, 18(Part 2)*: pp: 1-12.
- 35) **Mandal, G.P. and A.K.Hazra. 2010.** Insecta: Thysanura. Fauna of Uttarakhand. *Zool. Surv. Ind. State fauna series, 18(Part 2)*: pp: 13-16.
- 36) Mandal, G.P. & H.S.Mehta. **2011.** Collembola (Hexapoda) in Cold Desert Region of India- A Preliminary Report. *In Global Change, Biodiversity and Livelihoods in Cold Desert Region of Asia*. Edited by Saxena, Liang & Xue. pp: 61-63
- 37) Mandal, G.P. **2010.** Checklist of Collembola from India. [www.zsi.gov.in](http://www.zsi.gov.in)
- 38) Mandal, G.P. **2010.** Checklist of Thysanura (Microcoryphia and Zygentoma) from India. [www.zsi.gov.in](http://www.zsi.gov.in)
- 39) Mandal, G.P. **2011.** Checklist of Protura from India. [www.zsi.gov.in](http://www.zsi.gov.in)
- 40) Mandal, G.P. **2011.** Checklist of Diplura from India. [www.zsi.gov.in](http://www.zsi.gov.in)
- 41) Mandal, G.P. Endemic species list of Collembola, Thysanura, Protura & Diplura from India. *IUCN Red list*.

**\*ABSTRACT PUBLISHED: FIFTEEN (15)**

- 1) **Mandal, G.P., et. al.** 2000. Faunal diversity of Nayachar, a newly emerged Island: Orthoptera (Acridoidea). Abstract published on Proc. 87<sup>th</sup> Indian Science Congress, **Part-III**, Pune, 2000.
- 2) **Mandal, G.P., et. al.** 2000. Studies on some collection of Thysanura (Apterygota: Insecta) from Thar Desert, India. Abstract published on Proc. 87<sup>th</sup> Indian Science Congress, **Part-III**, pp.63, Pune, 2000.
- 3) **Mandal, G.P., et. al.** 2001. Studies on some collection of Collembola (Apterygota: Insecta) from Nagaland. Abstract published on Proc. 88<sup>th</sup> Indian Science Congress, **Part-III**, New Delhi, 2001, pp.12.
- 4) **Mandal, G.P., et. al.** 2002. Studies on some collection of Collembola (Apterygota: Insecta) from some areas of Himachal Pradesh. Abstract published on Proc. 89<sup>th</sup> Indian Science Congress, **Part-iii**, pp.70, Lucknow.
- 5) **Mandal, G.P.** 2003. Studies on some collection of Collembola from Sri Venkateshara National Park, Tirupati, Andhra-Pradesh. Abstract published on Proc. 90<sup>th</sup> Indian Science Congress, **Part-iii**, pp.7, Bangalore.
- 6) **Mandal, G.P., et.al.** 2003. Notes on some collection of Collembola (Apterygota: Insecta) insects from Rajasthan. Abstract published on Proc. 90<sup>th</sup> Indian Science Congress, **Part-iii**, pp.7, Bangalore.

- 7) **Mandal, G.P.**, *et.al.* 2005. A study on the population of soil arthropods fauna in Tobacco leaf litter bags buried under soil, a preliminary report. Abstract published on Proc. 90<sup>th</sup> Indian Science Congress, **Part-II**, pp.24, Ahemadabad, 2005.
- 8) **Mandal, G.P.**, *et.al.* 2005. Role of soil arthropods communities on the decomposition of House holds garbage, w.r.s to Collembola. Abstract published on Proc. 90<sup>th</sup> Indian Science Congress, **Part-II**, pp.56, Ahemadabad, 2005.
- 9) **Mandal, G.P.**, *et.al.* 2005. Soil fauna & their similarity index in a planted Mangroove forest and natural Mangroove forest area of a newly emerged Island. Abstract published on Proc. 90<sup>th</sup> Indian Science Congress, **Part-II**, pp.23, Ahemadabad, 2005.
- 10) **Mandal, G.P.**, *et.al.* 2005. Role of soil arthropods communities on the decomposition of House holds garbage, w.r.s to Collembola (**IN HINDI**). Abstract *published in 9<sup>th</sup> National Scientific Seminar in Hindi*, organized by **Gurukul Kangri University, Hardwar**, and Uttaranchal.15-17 May, 2005
- 11) **Mandal, G.P.**, *et.al.* 2006. Ecological studies of Collembolan population in Hilltop and Foothill of Darjelling Himalayas, West Bengal, India. Abstract *published Proc. 93<sup>rd</sup> Indian Science Congress, held at Hyderabad, 3-7, 2006.*
- 12) **Mandal, G.P.** and R.S.Mridha. 2007. Bio-ecology, Veterinary and Forensic important Diptera from Sundarbans, West-Bengal. Abstract *published in Proc. 94<sup>th</sup> Indian Science Congress, held at Annamalai Univ., Chidambaram, Chennai 3-7, 2007.*

13) **Mandal, G.P.**, A.K.Hazra and K.K.Suman. 2007 Role of soil Ph on the Collembolan fauna of two uncultivated fields of North 24 pgs, W.B. Abstract *published in Proc. 94th Indian Science Congress, held at Annamalai Univ., Chidambaram, Chennai 3-7, 2007.*

14) **Mandal, G.P.**, A.K.Hazra and K.K.Suman. 2007. Role of fungi population on the distribution of Collembola at waste disposal site, Dhapa, Kolkata. Abstract *published in Proc.94th Indian Science Congress, held at Annamalai Univ., Chidambaram, Chennai 3-7, 2007.*

15). **Mandal, G.P.** 2011. Collembola (Hexapoda) fauna from Bibhuti Bhushan wild life sanctuary, Parmadan, North 24 pgs, West Bengal. Abstract published in *Proc.98th Indian Science Congress, held at Chennai 3-7, 2011.*