

Faculty Profile (Template for BGC WEBSITE)

Name : DR. SUMANA SAHA
Email : sahasumana2010@gmail.com
Designation : Associate Professor & Head
Department: Post Graduate Department of Zoology Barasat
 Government College

Education Qualification: (Institutional Details) : M.Sc., B.Ed., Ph.D.

Ph.D.: 1996 : University of Calcutta
 B.Ed. : 1991 : University of Calcutta [Acharya Jagadish Chandra Bose College]
 M.Sc./ M.A.: 1989 : University of Calcutta
 B.Sc./ B.A.: 1987 : University of Calcutta [Presidency College]



Teaching Experience: 23 years

College	Post	Department	From	To	Teaching Experience
Lady Brabourne College, Govt. of West Bengal, P1/2, Suhrawardy Avenue, Kolkata – 700017.	Permanent post (Full time) Lecturer (W.B.E.S.) (1997-2000) Senior Lecturer (2000-2005) Reader/Associate Professor (2005-2012)	Department of Zoology	23.08.1997	31.01.2012	U.G Hons. and General classes in Zoology
Darjeeling Govt. College, Lebong Cart Road, Darjeeling- 734101, West Bengal	Permanent post (Full time) Associate Professor (W.B.E.S)	P.G. Department of Zoology	02.02.2012	01.02.2016	U.G Hons. and General classes in Zoology and P.G (M.Sc.) classes in Zoology
Barasat Govt. College, 10, K.N.C.Road, Barasat, Kolkata- 700124	Permanent post, (Full time) Assistant Professor (W.B.E.S)	P.G. Department of Zoology	04.02.2016	Till date	U.G Hons. and General classes in Zoology and P.G (M.Sc.) classes in Zoology

Specialization: Zoology : Entomology

Research Experience: 30 years

1. Junior Research Fellow –CSIR (1990-1992) at Entomology Laboratory, Department of Zoology, University of Calcutta
2. Senior Research Fellow – CSIR (1992-1995) at Entomology Laboratory, Department of Zoology, University of Calcutta
3. Post Doctoral Research (1995-2015) : at Entomology Laboratory, Department of Zoology, University of Calcutta
4. Post Doctoral Research (2016-till date) : at IRDM Faculty Centre, Department of Agricultural Biotechnology, Ramakrishna Mission Vivekananda University, Narendrapur, Kolkata

Research Interests : Taxonomy, Biodiversity, Ecology & Biology of insects & spiders of agricultural crops / forest trees.

Grants received :

As Principal Investigator

Title of the Project	Funding agency	Duration	Total outlay (Rs.)
1. Diversity Assessment of Round Headed Borers (Cerambycidae : Coleoptera) of Dooars, West Bengal	UGC (Regional Office, Kolkata)	2 years (2008-2010)	Rs. 86,500/-
2. Spiders (Araneae : Arachnida) of Tea Ecosystem of Assam	UGC (Regional Office, Kolkata)	2 years (2012-2014)	Rs.1,70,000/-

As Co-Investigator/Technical Supervisor

Title of the Project	Funding Agency	Duration	Collaboration if any	Total outlay (Rs.)
1. Insect Faunal Diversity of Jaldapara Wildlife Sanctuary	UGC, New Delhi	3 years (2001-2004)	With Prof. D. Raychaudhuri, Entomology Laboratory, Dept. of Zoology, University of Calcutta	3,32,560/-
2. Insect Faunal Diversity of Buxa Tiger Reserve, Jalpaiguri, West Bengal.	MOEF, GOI, New Delhi	3 years (2001-2004)	Do	11,64,674/-
3. Studies on the Borers Attacking Shade Trees of Tea Plantations.	NTRF, C/o Tea Board, Kolkata	3 years (2002-2005)	Do	11,14,840/-
4. Inventorising the Spiders as Bioresource of Dooars & Darjeeling District of West Bengal.	DBT, GOI, New Delhi	3 years 6 months (2006-2010)	Do	14,33,000/-

5. Assessment of Spiders as Second Order of Bio-control Agents in Tea Ecosystem with special reference to Assam and Dooars of West Bengal.	NTRF, C/o Tea Board, Kolkata	3 years (2008-2011)	Do	13,21,640/-
6. Assessment & Documentation of Faunal Diversity of Buxa Tiger Reserve : Insects & Spiders.	West Bengal Biodiversity Board, GOWB	2 years (2009-2011)	Do	6,42,000/-
7. Survey on the incidence of insect pests and predators including spiders in Tea Plantations.	Tea Board, Ministry of Commerce & Industry, Dept. of Commerce, GOI	XIth – XIIth plan period	With Prof. D. Raychaudhuri, Entomology Laboratory, Dept. of Zoology, University of Calcutta & Dr. A. Basu Majumder, Research Officer, Tea Board	2,00,000/- for every 6 months
8. Exploration of spiders (Arachnida : Araneae) of eastern Himalaya under All India Coordinated Project on Capacity Building in Taxonomy (AICOPTAX)	MOEF, GOI, New Delhi	3 years (2014-2017)	With Prof. D. Raychaudhuri, (Ex Prefessor, Dept. of Zoology, University of Calcutta, Kolkata) Honorary Professor, Dept. of Agricultural Biotechnology, IRDM Faculty Centre, Ramakrishna Mission Vivekananda University, Narendrapur, Kolkata.	55,41,260/-

No. of Publications : 162 (**Annexure : I**)

Books with ISBN No. : 11 (International : 6; National : 5)

No. of Research Papers : 141 (International :61; National :80)

General Articles : 10

Awards & Achievements:

***Invertebrate Specialist** – ‘ZOO Outreach Organisation’, Coimbatore/CBSG, India & South Asia (2001).

* **Spider Specialist** – ‘International Society of Arachnology (ISA), Paris, France (2003).

* **Taxon Editor** – ‘National Chemical Laboratory for Biodiversity Informatics, Pune (2004).

* **Book Reviewer** – West Bengal Council of Higher Secondary Education (2005).

* **Advisor** of the Interview Board in Staff Selection Commission, GOI (Eastern Region) (2010 & 2011).

* **Technical Supervisor**, All India Coordinated Project On Taxonomy (AICOPTAX), Mins. Env.& Forests, GOI.

* **Participated in 11th Conference of the Parties to the Convention on Biological Diversity (COP 11)** held at Hyderabad from Oct.1-19, 2012.

* Received prestigious “**Science Excellence Award 2015**” of Foundation for Science and Environment for contribution in the field of **Science Education and Research**.

* Received prestigious “**J. L. Bhaduri Memorial Medal for Excellence in Research 2015-16**” from Zoological Society, Kolkata.

* Received prestigious “**National Teaching Excellence Award 2016**” from International Benevolent Research Foundation, Kolkata in association with Confederation of Indian Universities, New Delhi.

* Received prestigious “**Pearl Foundation Best Women Associate Professor Award 2016**” from Pearl – A Foundation For Educational Excellence, Madurai, Tamil Nadu, India in recognition of outstanding contributions in the field of Zoology in India.

- Identified as **Associate Editor** of the **Journal MUNIS ENTOMOLOGY & ZOOLOGY** (published from **Turkey**) (2016-continuing).
- Received prestigious “**Outstanding Paper Award**” in 3rd Regional Science and Technology Congress (Southern Region), 2018 in Kolkata organised by Bidhgannagar College, Govt. of West Bengal & Dept. of Science & Technology And Biotechnology, Govt. of West Bengal.
- **Reviewer** of the **Journal Proceedings Zoological Society-Springer Publication** (2018-continuing).
- Received prestigious “**Outstanding Paper Award**” in 26th West Bengal State Science and Technology Congress, 2019.
- Secured “**Second Position**” in National level e-poster Competition in COVID-19 lockdown jointly organized by IQAC & P.G. Department of Conservation Biology, Durgapur Government College & Durgapur Wildlife Information & Nature Guide Society (WINGS) held from 5-12 June, 2020 on the occasion of World Environment Day Celebration.
- Secured “**Award Winning Photography**” in the online photography competition “NATURE THROUGH LENS” organized by Department of Zoology, Sree Chaitanya College, Habra held on June 12, 2020.

Membership of Learned Societies/ Editorial Boards, etc. :

1. Life Member Zoological Society, Kolkata
2. Life Member Bombay Natural History Society
3. Journal Editorial Board Members : **Associate Editor** of the **Journal MUNIS ENTOMOLOGY & ZOOLOGY, Turkey**

No. of Conferences/seminars attended: (Last 5 years) :

Sl. No.	Title of the Paper Presented	Title of Conference/ Seminar	Organized by	Whether International/ National/State/ Regional/College/or University Level
1.	On the diversity of flower beetles (Scarabaeidae : Coleoptera) of Buxa Tiger Reserve (BTR), West Bengal, Dooars, India	Environment and Ecology	Bharathiar University, Coimbatore March 7-9, 2016	2 nd International Conference
2.	Spider fauna of Meghalaya, India.	Biodiversity: Exploration, Exploitation, Conservation and Management–Vision and	Barasat Govt. College in collaboration with The Zoological Society,	National

		Mission	Kolkata & West Bengal Biodiversity Board, November 19-20, 2016	
3.	A study on the visiting profile of Lycaenids to their common host plants as potential pollinators	Biodiversity: Exploration, Exploitation, Conservation and Management–Vision and Mission	Barasat Govt. College in collaboration with The Zoological Society, Kolkata & West Bengal Biodiversity Board, November 19-20, 2016	National
4.	Affirming length of body or part/s thereof as a determinant of capture area of spider web	Biodiversity: Exploration, Exploitation, Conservation and Management–Vision and Mission	Barasat Govt. College in collaboration with The Zoological Society, Kolkata & West Bengal Biodiversity Board, November 19-20, 2016	National
5.	Faunistic records of click beetles (Elateridae : Coleoptera) from tea gardens of Darjeeling, West Bengal, India	Biodiversity: Exploration, Exploitation, Conservation and Management–Vision and Mission	Barasat Govt. College in collaboration with The Zoological Society, Kolkata & West Bengal Biodiversity Board, November 19-20, 2016	National
6.	Ecobiology of a mimetic set of brush footed butterflies of Taki, North 24 Parganas, West Bengal	Neo-classical Approaches in Zoological Sciences & A Zoological Society Initiative IInd National ‘Young Scientists Meet’	Dept. of Zoology. University of Madras, Chennai & The Zoological Society, Kolkata, February 16-17, 2017	National Conference
7.	–	DST, GOI sponsored Training Workshop on “Biodiversity Conservation	Wildlife Institute of India, Dehradun from 13-17 th Feb., 2017	National
8.	Spider fauna of Dehing Patkai Wildlife Sanctuary, Assam, India	Fourth Indian Biodiversity Congress (IBC 2017)	University of Pondicherry, Pondicherry, TamilNadu, March 10-12, 2017.	National
9.	Does <i>evarcha</i> (Araneae: Salticidae) have any prospect in the control of mosquitoes?	Vector-Born and Zoonotic Diseases : Emerging challenges in surveillance, diagnosis and contro; in the context of global travel, urbanization and climate [Organised by change Asutosh College in collaboration with Society of Medical Arthropodology (SOMA), Hyderabad	Organised by Asutosh College in collaboration with Society of Medical Arthropodology (SOMA), Hyderabad, [held on 8-9 th December, 2017]	National
10.	Site and trap colour determine landing of alate aphids for invasion to winter crops/flowering plants	Recent Trends in Science towards Sustainable Development	Acharya Prafulla Chandra College, Kolkata in collaboration with Indian Chemical Society, August 6-7, 2018	International
11.	A study on the myrmecophilous association between ants and aphids in the RKMVU Farmland	Recent Trends in Science towards Sustainable Development	Acharya Prafulla Chandra College, Kolkata in collaboration with Indian Chemical Society, August 6-7, 2018	International
12.	Ant faunal diversity of Bibhutibhushan Wildlife Sanctuary, North 24 parganas, West Bengal, India	International Biodiversity Congress (IBC 2018)	Organized in Forest Research Institute, Dehradun, India held on 4-6 th October, 2018]	International

13.	Anecdote of spiders and their model ants of Bibhutibhushan Wildlife Sanctuary, N- 24 Parganas, West Bengal	3 rd Regional Science and Technology Congress (Southern Region), 2018 in Kolkata 26 th West Bengal State Science and Technology Congress, 2019 in Science City, Kolkata	Organised by Bidhannagar College, Govt. of West Bengal & Dept. of Science & Technology And Biotechnology, Govt. of West Bengal [18-19 th December, 2018] – Received “Outstanding Paper Award” Organised by Science and Technology and Biotechnology, GOWB [28 th Feb. -1 st March, 2019] Received “Outstanding Paper Award”	Regional State
14.	Bioecology of dung beetle, <i>Oniticellus cinctus</i> (Fabricius) (Coleoptera : Scarabaeidae: Coprinae) occurring in the dairy farm of Ramakrishna Mission Ashrama, Narendrapur, West Bengal	7 th India Biodiversity Meet 2019	Organized by Indian Statistical Institute, Kolkata, held on 19-21 November, 2019	International
15.	Diversity and abundance of soil microarthropods in three different garden plots of Ramakrishna Mission Vivekananda Ashrama, Narendrapur, South 24-Parganas, West Bengal	7 th India Biodiversity Meet 2019	Organized by Indian Statistical Institute, Kolkata, held on 19-21 November, 2019	International
16.	Aquatic insects biodiversity of two fresh water ponds of Ramakrishna Mission Ashrams, Narendrapur, S-24 Parganas	7 th India Biodiversity Meet 2019	Organized by Indian Statistical Institute, Kolkata, held on 19-21 November, 2019	International
17.	Diversity of spider fauna in backyard rice agroecosystem	National level e-poster competition in COVID-19 lockdown on “March towards better future with clean environment	Organized jointly by the Internal Quality Assurance Cell (IQAC) and P.G. Department of Conservation Biology, Durgapur Government College and Durgapur Wildlife Information & Nature Guide Society (WINGS) held from 5th to 12th June, 2020 on the occasion of World Environment Day Celebration. -‘ Awarded Second Position ’	National

Annexure – I

List of Publications

A. Books

1. Lamiids of Laos : A translated version of 'Lamiines due Laos' by J.A. Rondon and S. von Breuning (from French). **2002**. Publ. Zool. Soc., Calcutta, pp. 238 (with D. Raychaudhuri).
2. Insects attacking shade trees of Tea Plantations in the Dooars & Darjeeling **2008**. Publ. National Tea Research Foundation, C/o Tea Board, Kolkata, pp. 60. (with D. Raychaudhuri).
3. Report on the visit to the State Poultry Farm, Govt. of West Bengal, Tollygunge, Kolkata. **2011** : Under the "Centre with Potential of Excellence" Scheme (XIth Plan), sponsored by UGC, New Delhi, pp 14.
4. Spiders-A Potential Component In Tea Pest Management. **2012**. Publ. National Tea Research Foundation, C/o Tea Board, Kolkata, pp. 93 (with D. Raychaudhuri, T. K. Roy & D.C.Dhali).
5. Atlas of Insects and Spiders of Buxa Tiger Reserve. **2014**. Publ. West Bengal Biodiversity Board and Nature Books India, Kolkata: 357pp. [ISBN : 9382258124] (with D. Raychaudhuri).
6. Spiders (Araneae : Arachnida) of Tea Ecosystem of Assam. **2015**. Publ. LAP Lambert Academic Publishing, Germany, 192pp. [ISBN : 978-3-659-49985-2] (with D. Raychaudhuri).
7. Spiders (Araneae: Arachnida) of Reserve Forests of Dooars: Gorumara National Park, Chapramari Wildlife Sanctuary and Mahananda Wildlife Sanctuary. **2015**. Publ. World Scientific News, Poland, 20 : 339pp [EISSN : 2392-2192] (with D.Raychaudhuri, S.Sen and D .C. Dhali).
8. Spiders : A Proficient Candidate in Practicing IPM for Darjeeling Tea. **2016**. Publ. World Scientific News, Poland, 38 : 62pp [EISSN : 2392-2192] (with D. Raychaudhuri and T.K.Roy).
9. Litter and ground dwelling spiders (Araneae: Arachnida) of reserve forests of Dooars, West Bengal. **2017**. Publ. World Scientific News, Poland, 63 : 242pp [EISSN : 2392-2192] (with D.Raychaudhuri and D.C.Dhali).

B. Papers :

1992

1. Dynamics of *Aphis gossypii* Glover infesting chilli and sunflower in West Bengal. *Proc. Zool. Soc. Calcutta*, 45 (Suppl.A) : 411-419 (with S. Dasgupta and D. Raychaudhuri). [ISSN : 0373- 5893]

1994

2. Heteropodidae and Lycosidae of Buxa Tiger Reserve, West Bengal. *Acta arachnol.*, 43(1) : 43- 48 (with V. Biswas and D. Raychaudhuri). [ISSN : 0005-202]
3. Spider fauna of Buxa Tiger Reserve. *Proc. Ninth Nat. Zool. Conf. Bangladesh*, pp. 93-102 (with V. Biswas and D. Raychaudhuri).

1995

4. Araneidae of Buxa Tiger Reserve, West Bengal, *Acta arachnol.*, 44(1) : 11-14 (with V. Biswas, S.C. Majumder and D. Raychaudhuri). [ISSN : 0005-202]
5. A new name for *Heteropoda acuta* Saha, Biswas et Raychaudhuri, 1994 (Araneae : Heteropodidae). *Acta arachnol.*, 44(1) : 15-16 (with V. Biswas and D. Raychaudhuri).[ISSN : 0005-202]
6. Insect-plant interactions with cotton aphid, *Aphis gossypii* Glover and chilli, *Capsicum annuum* L. as a model. *Ann. Entomol.*, 13(2) : 71-86 (with D. Raychaudhuri). [ISSN : 0013-8746]

1996

7. Spiders of the Genus *Oxyopes* Latreille (Araneae : Oxyopidae) of Buxa Tiger Reserve, West Bengal, *Acta arachnol.*, 45(1) : 53-61(with V. Biswas, B. Kundu, M. Kundu and D. Raychaudhuri). [ISSN : 0005-202]
8. Tiger beetles of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Insect Environment*, 2(3) : 68-69 (with D. Raychaudhuri). [ISSN : 0975-1963]

9. Temperature specific responses of *Aphis gossypii* Glover (Homoptera : Aphididae) on *Capsicum annum* L. Res. Bull. (Sci.) Panjab University, Chandigarh, 46 : 107-137 (with D. Raychaudhuri). [ISSN : 0555-7631]

1997

10. Tortoise beetles (Cassidinae) of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Insect Environment*, 2(4) : 129-130 (with D. Raychaudhuri). [ISSN : 0975-1963]
11. Araneidae and Theridiidae of Buxa Tiger Reserve, West Bengal : Genera *Leucage* White, *Cyrtophora* Stoliczka and *Theridula* Emerton. *Entomon*, 22(3&4) : 229-233 (with V. Biswas and D. Raychaudhuri). [ISSN : 0377-9335]
12. Factors affecting *Aphis gossypii* Glover population on chilli, *Capsicum annum* I. Res. Bull. (Sci.) Panjab University, Chandigarh, 47(1-4) : 171-197 (with D. Raychaudhuri). [ISSN : 0555-7631]
13. Cicadas (Cicadidae : Homoptera) of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Insect Environment*, 3(1) : 23 (with D. Raychaudhuri). [ISSN : 0975-1963]
14. Tortoise beetles (Cassidinae : Chrysomelidae) of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Flora and Fauna*, 3(2) : 71-86 (with D. Raychaudhuri). [ISSN : 1028-0863]

1998

15. Moths of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Zoo's Print*, 13(5) : 24 (with D. Raychaudhuri). [ISSN : 0971-6378]
16. Butterflies of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Insect Environment*, 3(4) : 114-115 (with D. Raychaudhuri). [ISSN : 0975-1963]
17. Short-snouted weevils (Coleoptera : Curculionidae) of Buxa Tiger Reserve, Jalpaiguri, West Bengal, *Insect Environment*, 4(1) : 23 (with D. Raychaudhuri). [ISSN : 0975-1963]
18. Scarab beetles (Scarabaeidae : Cetoniinae, Dynastinae) of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Insect Environment*, 4(1) : 23-24 (with D. Raychaudhuri). [ISSN : 0975-1963]
19. Leaf chafer beetles (Scarabaeidae : Rutelinae : Anomalini) of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Insect Environment*, 4(1) : 24 (with D. Raychaudhuri). [ISSN : 0975-1963]
20. Leaf chafer beetles (Scarabaeidae : Rutelinae : Adoretini, Parastasiini) of Buxa Tiger Reserve, Jalpaiguri, West Bengal, India. *Insect Environemnt*, 4(2) : 59 (with D. Raychaudhuri). [ISSN : 0975-1963]
21. Interacting ants in the cotton aphid (*Aphis gossypii* Gl.) / Chilli (*Capsicum annum* L.) ecosystem. *Zoos' Print*, 13(11) : 31-32 (with D. Raychaudhuri). [ISSN : 0975-1963]
22. Fungus beetles (Coleoptera) of Buxa Tiger Reserve, Jalpaiguri, West Bengal : Endomychidae & Erotylidae. *Insect Environment*, 4(3) : 92 (with D. Raychaudhuri). [ISSN : 0975-1963]
23. Beetles (Brenthidae, Helotidae and Meloidae) of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Insect Environment*, 4(3) : 99 (with D. Raychaudhuri). [ISSN : 0975-1963]
24. Aphids and their associated insects of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *J. Aphidology*, 12(1&2) : 9-20 (with B. Kundu and D. Raychaudhuri). [ISSN : 0970-3810]

1999

25. Vibgyor in the Nymphalid (Lepidoptera, Excluding Danainae) Butterflies of Buxa Tiger Reserve (B.T.R.), Jalpaiguri, West Bengal. *Proc. Nat. Sem. Insect and Environment*, Sept. 18-20, 1997, Panjab University, Chandigarh, pp. 41-50 (with D. Raychaudhuri).
26. Stag Beetles (Lucanidae) and Bess Beetles (Passalidae) of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Insect Environment*. 4(4) : 125 (with D. Raychaudhuri). [ISSN : 0975-1963]
27. Addition to the Lepidopteran Fauna of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Insect Environment*, 4(4) : 132 (with D. Raychaudhuri). [ISSN : 0975-1963]
28. Natural enemies of chilli ecosystem in West Bengal. *Insect Environment*, 4(4) : 137 (with D. Raychaudhuri). [ISSN : 0975-1963]

29. Swallowtailed Butterflies (Papilionidae) of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Res. Bull. (Sci.) Panjab University, Chandigarh*, 49(I-IV) : 67-85 (with D. Raychaudhuri). [ISSN : 0555-7631]
30. Notes on five other nymphalid butterflies recorded from Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Res. Bull. (Sci.) Panjab University, Chandigarh*, 49(I-IV) : 93-95 (with D. Raychaudhuri). [ISSN : 0555-7631]

2000

31. Longicorn beetles (Cerambycinae, Prioninae : Cerambycidae) of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *J. Bombay nat. Hist. Soc.*, 97(1) : 74-91 (with D. Raychaudhuri). [ISSN : 0006- 6982]
32. Lamiids (Cerambycidae) of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Insect Environment*, 5(4) : 185 (with D. Raychaudhuri). [ISSN : 0975-1963]
33. Scavenger beetles (Scarabaeidae : Coprinae) of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Insect Environment*, 6(1) : 43-44 (with D. Raychaudhuri). [ISSN : 0975-1963]

2001

34. Bugs (Heteroptera) of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Insect Environment*, 7(2) : 96 (with D. Raychaudhuri). [ISSN : 0975-1963]
35. Danaid butterflies (Nymphalidae : Danainae) of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Res. Bull. (Sci.) Panjab University, Chandigarh*, 51(1-4) : 61-69 (with D. Raychaudhuri). [ISSN : 0555-7631]

2002

36. Leaf beetles (Chrysomelidae : Coleoptera) of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Insect Environment*, 7(4) : 189-190 (with D. Raychaudhuri). [ISSN : 0975-1963]
37. Report on the chrysomelid beetles (Galerucinae, Halcitinae and Cassidinae) of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Insect Environment*, 8(1) : 21 (with D. Raychaudhuri). [ISSN : 0975-1963]
38. Further addition to the butterflies of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Insect Environment*, 8(2) : 89 (with D. Raychaudhuri). [ISSN : 0975-1963]
39. Wasps and ants (Vespoidea : Hymenoptera) of Jaldapara Wildlife Sanctuary. *Insect Environment*, 8(1) : 34-35 (with S. Bhattacharjee and D. Raychaudhuri). [ISSN : 0975-1963]
40. Chrysomelid beetles, bugs and butterflies of Jaldapara Wildlife Sanctuary, Jaldapara, West Bengal. *Insect Environment*, 8(2) : 86-87 (with D. Raychaudhuri). [ISSN : 0975-1963]
41. Grasshoppers, Crickets, Mantids (Orthoptera) of Jaldapara Wildlife Sanctuary. *Insect Environment*, 8(3) : 118 (with S. Bhattacharjee and D. Raychaudhuri). [ISSN : 0975-1963]
42. Studies on the Borers attacking shade trees of tea plantations. In *Tea Research : New Trend Proc. 3rd Workshop. N.T.R.F., April 26, Kolkata* : 55-56 (with T. Dalui, C. Ray and D. Raychaudhuri).
43. Pierid butterflies (Lepidoptera) of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Res. Bull. (Sci.), Panjab University, Chandigarh*, 52 : 37-42 (with D. Raychaudhuri). [ISSN : 0555-7631]

2003

44. Ants of Jaldapara Wildlife Sanctuary, West Bengal (Hymenoptera : Formicidae). *Bionotes*, 5(1) : 19 (with S. Bhattacharjee and D. Raychaudhuri). [ISSN : 0972-1800]
45. Addition to the Cicada (Cicadidae : Homoptera) fauna of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Insect Environment*, 9(1) : 17 (with D. Dutta and D. Raychaudhuri). [ISSN : 0975-1963]
46. New lynx spiders, *Oxyopes* Latreille (Oxyopidae) from Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Entomon.* 28(4) : 321-327 (with D. Raychaudhuri). [ISSN : 0377-9335]

2004

47. A new species of spider of the genus *Peucezia* Thorell (Oxyopidae : Araneae) from Digha, Midnapore, West Bengal, India. *J. Bombay nat. Hist. Soc.*, 101(2) : 288-290 (with D. Raychaudhuri). [ISSN : 0006-6982]

48. A survey of spiders (Araneae : Araneidae) of Jaldapara Wildlife Sanctuary, West Bengal with description of a new *Zilla* species. *Entomon*, 29(3) : 245-252 (with D. Raychaudhuri). [ISSN : 0377-9335]
49. Hitherto unknown genera of spiders, *Ordgarius* Keyserling, *Pasilobus* Simon (Araneidae) and *Strigoplus* Simon (Thomisidae) from Eastern India. *J. Bombay nat. Hist. Soc.*, 101(3) : 425- 428 (with D. Raychaudhuri). [ISSN : 0006-6982]

2006

50. Heteropodine spiders (Sparassidae : Araneae) from Jaldapara Wildlife Sanctuary, Jalpaiguri, West Bengal. *J. Bombay Nat. Hist. Soc.*, 103(1) : 82-86 (with D. Raychaudhuri). [ISSN : 0006-6982]
51. Lynx spiders (Oxyopidae : Araneae) from Betla Forest, Jharkhand, India. *J. Bombay Nat. Hist. Soc.*, 103(1) : 87-89 (with D. Raychaudhuri). [ISSN : 0006-6982]

2007

52. New crab spider of the genus *Thomisus* Walckenaer from Kolkata, West Bengal. *Munis Entomology & Zoology*, 2(2) : 439-442 (with D. Raychaudhuri). [ISSN : 1306-3022]
53. Crab spiders (Araneae : Thomosidae) of Jaldapara Wildlife Sanctuary, Jalpaiguri, West Bengal-I. *J. Bombay Nat. Hist. Soc.*, 104(1) : 58-63(with D. Raychaudhuri). [ISSN : 0006-6982]

2009

54. Typical orb weavers (Araneidae : Araneae) of Mahananda Wildlife Sanctuary, West Bengal, *Insect Environment*, 15(1) : 30-31 (with S. Sen & D. Raychaudhuri). [ISSN : 0975-1963]
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