



RAMMOHAN COLLEGE

FACULTY ACADEMIC PROFILE

Name: **Dr Santi Ranjan Dey**

Department: **Department of Zoology**

Email: srdey1@rediffmail.com, srdey@hotmail.com

Academic background: **Ph. D**

Positions: **Assistant Professor**

Awards/ Honours: **Prof. B.B. Sarkar Memorial Oration 2014**

Research interest: **Ecology, Taxonomy, Bioinformatics, Molecular Biology, Microbiology (Metagenomics)**

Ongoing Project: **DST WB sponsored “Development of Digital Key of Neuroptera (Insecta) Associated with Aphids (Homoptera: Aphididae), 2018 – 2021.**

Selected publications:

1. Roy, Chayanika, Paul, Sanjay Kumar, Dutta Chowdhury, Kaustav and **Dey, Santi Ranjan**. 2017. Population Dynamics on Soil Insects in Greater Kolkata, West Bengal: A Review. *Int. J. Exp. Res. Rev.*, (ISSN- 2455-4855), Vol. 11 (June): pp 35-42. RIF 1.13
2. Paul, Sanjay Kumar, Roy, Chayanika, Dutta Chowdhury, Kaustav and **Dey, Santi Ranjan**. 2017. A Review on Ornithology of Kolkata Metropolitan Area. *Int. J. Exp. Res. Rev.*, (ISSN- 2455-4855), Vol. 11 (June): pp 52-55. RIF 1.13

3. Pal, Ankush, Bandyopadhyay, Biplab, **Dey, Santi Ranjan**, Ganguli, Sayak, Singh, Pankaj Kumar and De, Mitu. 2017. Documentation and Diversity Analysis by DNA Fingerprinting of the indigenous Mango (*Mangifera indica* L.) Germplasm of West Bengal. *Int. J. Exp. Res. Rev.*, (ISSN- 2455-4855), Vol. 11 (June): pp 21-34. RIF 1.13
4. **Dey, Santi Ranjan**, 2017. Effect of Variable Concentration of Dissolved Oxygen (DO) on Population Growth Rate and food Conversion Ratio in Fish: Model “Molly” [*Poecilia sphenops* (Valenciennes), 1846]. *Indian Journal of Biology* (p-ISSN 2394-1391, e-ISSN 2455-8249) IJB, Vol.4 No.1 Jan-June 2017, pp. 19 – 22.
5. **Dey, Santi Ranjan**, 2016. Biology and feeding efficacy of *Brumoides suturalis* (Fabricius) (Coccinellidae: Coleoptera), a native predator of whitefly, *Aleuroclava pentatuberculata* (Sundarraj & David), a mulberry pest: In search of an effective bio-control agent for sericulture in West Bengal. *J. Environ.& Sociobiol.* (eISSN 2454-2601):13(2), Dec. 157-162pp.
6. **Dey, Santi Ranjan**, Singh, Pankaj K., Ganguly, Sayak and De, Mitu 2016. Seri - Bioinformatics - to enhance the silken touch. *J. Environ. & Sociobiol.* (eISSN 2454-2601):13(2), Dec. 207-216pp.
7. **Dey, Santi Ranjan**, 2016. Green leafhopper (GLH), *Nephotettix virescens* (Distant) and rice tungro disease (RTD). The Beats of Natural Sciences. (ISSN-2348-7615) Vol. 3, Issue 3-4 (September-December), Article No. 3. pp 1-7.
8. **Dey, Santi Ranjan** and De, Mitu 2016. Identification of Rice Tungro Disease (RTD) tolerant traditional varieties of rice (*Oryza sativa* L.) of West Bengal using forced inoculation methods with insect vector, green leafhopper (GLH), *Nephotettix virescens* (Distant). *Global Journal for Research Analysis* (ISSN- 2277-8160), Vol. 5, Issue 11 (Nov), pp 231-232.
9. **Dey, Santi Ranjan**, Sikdar, Samir Ranjan, Ghose, Tapas Kumar and De, Mitu. 2016. Study of the Efficiency of Neuropteran predator, *Hemerobius indicus* Kimmins as potential Biocontrol agent of notorious aphid, *Lipaphis erysimi* (Kaltenbuch) on *Brassica campestris* Linn. (cv. B-9). *International Journal of Experimental Research and Review* (ISSN- 2455-4855), Vol. 7 (Oct): pp 21-31.

10. **Dey, Santi Ranjan**, 2016. Arsenic in Surface Water of Murshidabad, West Bengal, India: An unprecedented Situation. *Indian Journal of Biology* (**p-ISSN 2394- 1391, e-ISSN 2455-8249**) IJB, Vol.3 No.1 Jan-June 2016, pp. 49 – 55.
11. Dutta, Upasana, Ambiya, Md. Golam, Bhattacharya, Shilanjana and **Dey, Santi Ranjan**. 2016. Observations on biology of freshwater snail *Bellamya bengalensis* (Lamarck, 1882): an important requisite for commercial cultivation. *J. Environ. & Sociobiol.* (**ISSN 0973-0834**): 13 (1) June 2016: 123-130pp.
12. De, Mitu, Panigrahi, Ashis Kumar, Roy, Anirban and **Dey, Santi Ranjan**. 2016. A comparative account of the impact of the urban development on plant and wetland dependent bird population along the two arms of an ox-bow lake, Motijheel in Murshidabad district. *Indian Journal of Biology* (**p-ISSN 2394- 1391, e-ISSN 2455-8249**) IJB, Vol.3 No.1 Jan-June 2016, pp. 41 – 47.
13. Chattoraj, Sayantani, **Dey, Santi Ranjan**, Ambiya, Golam and Bhattacharya, Shilanjana. 2016. Vertebrate Biodiversity in and around Ahiran: An important Wetland in Murshidabad, West Bengal, India. *Indian Journal of Biology* (**p-ISSN 2394- 1391, e-ISSN 2455-8249**) IJB, Vol.3 No.1 Jan-June 2016, pp. 57 – 66.
14. **Dey, Santi Ranjan**, Ghose, Tapas Kumar and De, Mitu 2016. Diversity analysis for resistance to rice Tungro disease (RTD) among some advanced breeding lines and cultivars of rice (*Oryza sativa* L.) using mass screening and forced inoculation methods with insect vector, green leafhopper (GLH), *Nephotettix virescens* (Distant). Proceedings of the UGC sponsored One Day State Level Seminar on 'Modern Aspects of Plant Sciences with Special Emphasis to Biodiversity and Conservation' (**ISBN 978-93-81687-56-7**) on 23rd May, 2016 organized by the Department of Botany, Acharya Jagadish Chandra Bose College, Kolkata in collaboration with Bangabasi College, Kolkata pp 62-67.

15. Ambiya, Md. Golam, Bhattacharya, Silanjan, Dutta, Upasana and **Dey, Santi Ranjan**. 2015. The possibilities of Sustainable Management in Ahran Beel: A case Study. Global Journal of Environmental Science and Research (ISSN – 2349 – 7335) Vol. 2 No. 3, Oct – December 2015, pp 115- 121.
16. **Dey, Santi Ranjan**, 2015. Pre and post Monsoon analysis for arsenic in surface water discharge in some sampling sites in Murshidabad district. Bodhi Bijan. (ISSN 2277-4831) Vol. 3. No. 3 pp 75 -80.
17. De, Mitu, Chowdhury, Rita, Chattoraj, Sounima, Dutta, Upasana, Tripathy, Smritiratan Pal, Ankush and **Dey, Santi Ranjan**, 2015. Studies on Antifertility Activity of Bark Aqueous Extracts of *Aegle marmelos* (L.) Corr. in male *Bandicota bengalensis* (Gray, 1835): In search for a potential Rodenticide. Indian Journal of Biology (ISSN 2394- 1391) IJB, Vol.2 No.2 Jul-Dec 2015, pp. 135- 139.
18. **Dey, Santi Ranjan**, 2015. Brain plasticity and behavior modification in individuals with Autism Spectrum Disorder (ASD). Proceedings of the UGC Sponsored National Seminar on 'Behaviour Modification of Children with Special Needs' (ISBN: 978-93-83660-16-2) on 2nd December, 2015 organized by the Department of Education, Jadavpur University, in collaboration with Arogya Sandhan Charitable Trust. 46-53pp.
19. **Dey, Santi Ranjan**, 2015. Ladybirds to the rescue: The aphidophagous ladybird beetle as a bio-control agent. The Beats of Natural Sciences. (ISSN-2348-7615) Vol. 2, Issue 3 (September), Article No. 6. 1-6.
20. Chowdhury, Rita, Chattoraj, Sounima, Bandyopadhyay, Ananya and **Dey, Santi Ranjan**, 2015. Teratogenic and Embryogenic effects of Synthetic Pyrethroids on chick (*Gallus domesticus*) embryo. Indian Journal of Biology (ISSN 2394- 1391) Vol. 2. No. 1. Jan- June, 2015, 61-65pp.

21. Saha, Meghna, Sarkar, Indra, Barik, Labani, Das, Rudra Prasad and **Dey, Santi Ranjan**, 2015. Butterfly Diversity of Berhampore Girls' College Campus, Murshidabad, West Bengal, India: A Preliminary Assessment. *The Beats of Natural Sciences*. (ISSN-2348-7615) Vol. 2, Issue 2 (June), Article No. 2. 1-12.
22. Das, Jhulik, Saha, Meghna and **Dey, Santi Ranjan**, 2015. Status and Predatory Ichthyofauna Diversity of Malda and Murshidabad district of West Bengal: An Approach towards Biodiversity Management. *The Beats of Natural Sciences*. (ISSN-2348-7615) Vol. 2, Issue 1 (March), Article No. 3. 1-8.
23. **Dey, S. R.**, 2014. Comparison of Ichthyofauna Diversity of Two Transitional Districts of West Bengal: An Approach towards Biodiversity Management. In. Sanyal, A. K., Gupta, S. K. and Manna, S. (Eds.). *Biodiversity and Livelihood: Proceedings of the National Conference on Biodiversity- Issues, Concerns & Future Strategies*, (ISBN 978-93-92258-17-9) organized by West Bengal Biodiversity Board, Kolkata from 16th – 18th January, 2014, *Proc. Nat. Conf. Biodv.* pp 157-168.
24. De, Mitu, Das, Jhulik, Saha, Meghna, Pal, Ankush and **Dey, Santi Ranjan**, 2014. Documentation and Characterization of the Indigenous Mango (*Mangifera indica* L.) varieties of Malda and Murshidabad districts of West Bengal. *J. Environ. & Sociobiol.* (ISSN 0973-0834): 11(2), Dec, 2014: 187-198pp.
25. **Dey, Santi Ranjan**, 2014. Biology of *Retipenna jubingensis* (Hölzel) (Neuroptera: Chrysopidae) from Murshidabad, West Bengal. *The Beats of Natural Sciences*. (ISSN-2348-7615) Vol. 1, Issue 4 (December), Article No. 4. 1-11.
26. **Dey, S. R.** Basu, I., and De, M. 2014. The challenges of including individuals with Autism Spectrum Disorder (ASD) in class: towards a paradigm shift in inclusive education. *Proceedings of the International Seminar on 'Inclusion in Education for the Challenged Children: Present Context'*, (ISBN: 978-93-83660-03-2) on 6th December, 2014 organized by Department of Education, Jadavpur University, in collaboration with Arogya Sandhan Charitable Trust. 54-58pp.

27. **Dey, Santi Ranjan**, 2014. Developmental stages of *Hemerobius indicus* Kimmins (Hemerobiidae: Neuroptera) from Western Himalaya, India. The Beats of Natural Sciences. (ISSN-2348-7615) Vol. 1, Issue 3 (September), Article No. 5. 1-8.
28. **Dey, Santi Ranjan**, 2014. Survey report of the beneficial predator, Neuroptera (Insecta) from Murshidabad district, West Bengal. *J. Environ. & Sociobiol.* (ISSN 0973-0834): 11(1), June, 2014: 37-41.
29. **Dey, S. R.** 2014. Aphid Pest Management with Neuroptera (Insecta). The Beats of Natural Sciences. (ISSN-2348-7615) Vol. 1, Issue 1 (March), Article No. 6. 1-5.
30. **Dey, S. R.** 2014. Survey and identification of Predator Biodiversity of Mustard Aphid *Lipaphis erysimi* (Kaltenbuch) for designing integrated Pest Management Strategy. Proceedings of UGC Sponsored National Conference on Biodiversity: Interrelationship between Flora, Fauna and Human (ISBN: 978-81-929410-0-4) organized by Department of Anthropology, Botany and Zoology of Mrinalini Datta Mahavidyapith, Vidyapith Road, Birati, Kolkata- 700 051 in Collaboration with Department of Anthropology, West Bengal State University, Barasat, West Bengal on 29th & 30th September, 2013. pp 127-131.
31. **Dey, S. R.** 2014. Biological control of aphids by Neuroptera (Insecta): Progress towards environment friendly Integrated pest management (IPM) strategy. Proceedings of the UGC sponsored State Level seminar on 'Progress of Science vis-à-vis Environment' (ISBN 978-93-5174-670-6) organized by Sarojini Naidu College for Women in collaboration with Motijheel college on 14th January, 2013. pp 64- 69.
32. De, Mitu and **Dey, Santi Ranjan**, 2013. Screening folk rice varieties of West Bengal for relative tolerance to angoumois grain moth, *Sitotroga cerealella* (Olivier) (Lepidoptera: Gelechiidae) and identification of factors contributing to the tolerance. *J. Environ. & Sociobiol.* (ISSN 0973-0834): 10(2), Dec, 2013: 201-212.

33. **Dey, Santi Ranjan**, 2013. A checklist of Ichthyofauna of Malda district. Proceedings of UGC Sponsored National Conference 'Animal biodiversity: it's conservation and management for sustainable development' (NCABCMSD). **ISBN No. 978-1-62951-081-1**. Organized by Department of Zoology, Shri Siddheshwar Mahavidyalaya, Majalgaon, Maharashtra on 3rd and 4th October, 2013. pp 283-287.

34. **Dey, Santi Ranjan** and De, Mitu. 2013. Identification of Aphids, Aphid Host Plants and Aphidophagous Chrysopidae (Neuroptera: Insecta) from Murshidabad, West Bengal: A Step towards Integrated Pest Management (IPM). Proceedings of UGC Sponsored National Conference 'Animal biodiversity: it's conservation and management for sustainable development' (NCABCMSD). **ISBN No. 978-1-62951-081-1**. Organized by Department of Zoology, Shri Siddheshwar Mahavidyalaya, Majalgaon, Maharashtra on 3rd and 4th October, 2013. pp 279-282.

35. De, Mitu and **Dey, Santi Ranjan**, 2013. Screening West Bengal rice landraces against rice tungro disease and determination of inheritance pattern of tungro resistance. Proceedings of the Centenary Session of the Indian Science Congress, Kolkata, 3rd January – 7th January, 2013. Part II, Section of Plant Sciences. Abstracts of poster presentations. Poster No. 70 page 106.

36. **Dey, Santi Ranjan**, 2013. Endangered fauna of West Bengal. In: 'Newer Concepts in Life Sciences.' (Eds. Sandip Mukhopadhyay and Asok K. Biswas), Proceedings of the Refresher Course in Life Sciences held during 19th Nov, 2012 to 8th Dec, 2012, organized by the UGC-ASC and Department of Botany, Calcutta University, pp: 139.

37. De, M., **Dey, S. R.** and Ghose T. K. 2012. Advances in Rice Tungro Disease (RTD) resistance and management: From Conventional to Molecular Breeding. Plant Science Research in Human Welfare. (**ISBN 978-93-80673-71-4**). **Edition 1**. Nov 2012. Proceedings of UGC Sponsored National Seminar on 'Plant science research in Human Welfare' organized by Department of Botany, Bidhannagar College, Kolkata in collaboration with Botanical Survey of India on 11th and 12th January, 2012 pp 59-68.

38. **Dey, S. R.**, De, M., Ghose T. K., Sikdar, S. and Bhattacharya, D. K. 2012. Assessment of *Hemerobius indicus* Kimmins as Aphid Predator of *Lipaphis erysimi* (Kaltenbuch) on Brassica campestris (cv. B-9). Proceedings of UGC Sponsored State Level Seminar on 'Advancement of Biological Science towards Sustainable Development' organized by Department of Zoology, Berhampore Girls' college, Murshidabad in collaboration with West Bengal Biodiversity Board, Kolkata on 29th and 30th March, 2012 pp 98-106.
39. De, M., **Dey, S. R.**, Bandyopadhyay, S., Das, B., Sengupta, S. and Ghose T. K. 2011. Dwindling rice (*Oryza sativa* L.) genetic wealth of West Bengal. Recent advances in Plant Sciences-Diversity, Conservation & its applications (**ISBN: 978-81-929646-6-9**) Edition 1, Proceedings of UGC Sponsored National Seminar organized by Department of Botany, Rishi Bankim Chandra College, Kanthalpara, Naihati, 24 Parganas (North), West Bengal in Collaboration with Department of Botany, West Bengal State University, Barasat, 24 Parganas (North) on 18th & 19th November, 2011. pp 68-75.
40. De, M., Bandyopadhyay, S., **Dey, S. R.**, Das, B., Sengupta, S. and Ghose T. K. 2011. On-Farm Conservation of Rice Landrace Genetic Diversity In West Bengal. *Emerging Trends in Plant Science* (**ISBN- 978-93-80673-52-3**) Edition 1, Proceedings of UGC Sponsored National Level Seminar Organized by PG Department of Botany, Barasat Government College in Collaboration with Indian Statistical Institute, Kolkata on 14th & 15th July, 2011. pp 37-45.
41. De, M., Bandyopadhyay, S., **Dey, S. R.**, Das, B., Sengupta, S., Debnath, M. and Ghose T. K. 2010. Evaluation of Genetic Diversity in Rice (*Oryza sativa* L.) Landraces of West Bengal by Agromorphological Characterisation. *Proceedings of the State Level Seminar on 'Playing God: expanding Frontiers of Biotechnology'* 6th and 7th November, 2009, organized by Gurudas College, Kolkata in collaboration with Indian Institute of Chemical Biology, Kolkata, West Bengal, India, p:65-69.
42. **Dey, Santi Ranjan**, De, M. and Ghose T. K. 2010. Identification of Tolerant Rice (*Oryza sativa* L.) Cultivars against *Sitotroga cerealella* (Oliver) [Lepidoptera: Gelechiidae]. *Proceedings of the State Level Seminar on 'Playing God: expanding Frontiers of Biotechnology'* 6th and 7th November, 2009, organized by Gurudas College, Kolkata in collaboration with Indian Institute of Chemical Biology, Kolkata, West Bengal, India, p: 121-128.

43. Dey, N., Biswas, S., RayChaudhury, T., **Dey S. R.**, De, M. and Ghose, T. K. 2005. RAPD-based genetic diversity analysis of aromatic rice (*Oryza sativa* L.). *Plant Cell Biotech. Mol. Biol*, 6(3&4): 133-142.
44. Bhattacharya, D. K. and **Dey, S. R.** 2002. New species, New Combination and New Records of Genus *Mallada* Navas (Neuroptera: Chrysopidae) from Western Himalaya. *Philippine Journal of Science*, 131(1): 41-45.
45. Bhattacharya, D. K. and **Dey, S. R.** 2002. *Retipenna jubingensis* (Neuroptera: Chrysopidae) a potential predator of aphid. ***Proceedings of the National Seminar on 'Integrated Pest Management in the Current Century'*** November 29-30, 2002, Department of Agricultural Entomology, BCKV, West Bengal, India, p: 142-145.
46. Bhattacharya, D. K. and **Dey, S. R.** 2001. Taxonomy of Some Aphid Species (Homoptera: Aphididae) of Garhwal Range of Western Himalaya. ***Entomon***, 26(3&4): 263 – 269.
47. Bhattacharya, D. K. and **Dey, S. R.** 2001. Biodiversity Inventory of Neuropteran Insects Associated with Aphids (Homoptera: Aphididae) of Western Himalaya. ***Entomon***, 26(Spl. Issue): 320 – 325.
48. Bhattacharya, D. K. and **Dey, S. R.** 2000. A Checklist of Neuroptera (Insecta) of Western Himalaya, India. ***Trans. Zool. Soc. East. India***, 4(2): 49-52.
49. Pal, S., **Dey, S. R.**, Bhattacharya, D. K., Das, S. R. and Nandi, N. C. 1998. Macrophyte Preference and Insect Diversity of Fresh Water Wetland of South Eastern Bengal. ***Proceedings of the National Seminar on Environmental Biology***.1998: 165-169. Daya Publishing House, New Delhi.
50. **Dey, S. R.** and Bhattacharya, D. K. 1997. Development and Larval Voracity of an Aphidophagous Predator, *Hemerobius indicus* Kimmins (Hemerobiidae: Neuroptera) in Garhwal Range of Western Hiamalaya. ***J. Aphidology***, 11(1): 129-131.

51. Bhattacharya, D. K. and **Dey, S. R.** 1996. A New Species and A New Record of Aphids (Homoptera: Aphididae) From Garhwal Range of Western Himalaya, India. *Entomon*, 21: 285-289.

DR. S. R. DEY'S ORAL PRESENTATIONS/ POSTER PRESENTATIONS/SHORT COMMUNICATIONS/ABSTRACTS (without subsequent full paper publication).

1. Dey, Santi Ranjan, 2017. New Record of endangered Amphibia: Chordata from wetlands of Murshidabad, West Bengal. Oral presentation in the West Bengal Biodiversity Board sponsored National Seminar 'Exploring the Modern Approach in Biological Science: From Genome to Organism (Chapter II)' organized by the Department of Zoology, Sidho-Kanho-Birsa University on 21st -22nd February, 2017.
2. Dey, Santi Ranjan, 2017. Micronutrient enhancement in Sugarcane Molasses with *Ricinus communis* addition: An Indigenous Technology. Presentation as Resource person in the Department of Higher Education, Science and Technology and Biotechnology (Government of West Bengal) sponsored State Level Seminar on Micronutrient Deficiencies: Prevention and Control organized by the Department of Physiology, Berhampore Girls' College, Berhampore, Murshidabad on 18th -19th February, 2017.
3. Dey, Santi Ranjan, 2017. Recent notes on the Biology of *Bellaya bengalensis* (Lamarck, 1882). Poster presentation at the UGC-Sponsored National Seminar on 'Recent Advances in Biological Sciences' organized by Department of Microbiology, Gurudas College in collaboration with Indian Institute of Chemical Biology, Jadavpur & Dum Dum Motijheel College, Kolkata on 17th and 18th February, 2017.
4. Roy, Srijoni and Dey, Santi Ranjan 2017. Recent development of Beta Key of Indian Coniopterygidae, Neuroptera: Insecta. Poster presentation at the UGC-Sponsored National Seminar on 'Recent Advances in Biological Sciences' organized by Department of Microbiology, Gurudas College in collaboration with Indian Institute of Chemical Biology, Jadavpur & Dum Dum Motijheel College, Kolkata on 17th and 18th February, 2017.
5. Dey, Santi Ranjan, 2017. Chemical Castration of male *Bandicota bengalensis* (Gray, 1835) by Bark Aqueous Extracts of *Aegle marmelos* (L.) Corr. Poster presentation at the UGC Sponsored National Level Seminar on 'Recent Advances in Chemical Science and application' organized by Department of Chemistry, Vidyasagar College for Women (VCFW)

in collaboration with Department of Chemistry, Vidyasagar Evening College (VEC) on 6th and 7th January, 2017.

6. Ambiya, Md. Golam, Bhattacharya, Shilanjani and Dey, Santi Ranjan 2016. Species Diversity and Abundance of Water birds of Ahiran Lake, Murshidabad, West Bengal. Oral presentation at the UGC Sponsored National Level Seminar "Recent advances in Plant Sciences for the Welfare of our people" organized by Department of Botany, Sripat Singh College, Jiaganj, Murshidabad, West Bengal in association with Berhampore Girls' College, Berhampore, Murshidabad on Nov 30th 2016.
7. Dey, Santi Ranjan 2016. A Revision of Indian Coniptyrigidae, Neuroptera: Insecta. Oral presentation at the UGC Sponsored National Level Seminar "Recent advances in Plant Sciences for the Welfare of our people" organized by Department of Botany, Sripat Singh College, Jiaganj, Murshidabad, West Bengal in association with Berhampore Girls' College, Berhampore, Murshidabad on Nov 30th 2016.
8. Ambiya, Md. Golam and Dey, Santi Ranjan 2016. Water bird diversity in winter and summer at Motijheel lake, Murshidabad, West Bengal. Oral presentation at the UGC Sponsored National Level Seminar on From molecules to ecosystem-a zoological perspective organized by Department of Zoology, Ramakrishna Mission Vivekananda Centenary College, Rahara, Kolkata-700118 in collaboration with Department of Zoology, West Bengal State University, Barasat, Kolkata on 22nd September, 2016.
9. Dey, Santi Ranjan, Singh, Pankaj K., Ganguly, Sayak and De, Mitu 2016. Bioinformatics-an emerging tool for silk research. Oral presentation at the UGC Sponsored National Level Seminar on From molecules to ecosystem-a zoological perspective organized by Department of Zoology, Ramakrishna Mission Vivekananda Centenary College, Rahara, Kolkata-700118 in collaboration with Department of Zoology, West Bengal State University, Barasat, Kolkata on 22nd September, 2016.
10. Dey, Santi Ranjan. 2016. Human exposure to Arsenic through food chain. Poster presentation at the UGC-Sponsored National Seminar on "Environmental Awareness: Demand of the Day" organized by Environmental Development Committee, The Bhawanipur Education Society College, Kolkata in collaboration with Department of Environmental Science University of Calcutta, Kolkata on 9th and 10th September, 2016.

11. Dey, Santi Ranjan. 2016. Chordate Component of Patan Wetland Ecosystem, Murshidabad. Oral presentation at the UGC Sponsored National Level Seminar on “Conservation of Biodiversity and Natural Resources in Sustainable Development” organized by Department of Zoology, Acharya Prafulla Chandra College, New Barrackpur in collaboration with Bajkul Milani Mahavidyalaya, Purba Medinipur on 6th & 7th September, 2016.
12. Banerjee, Sumana and Dey, Santi Ranjan. 2016. Molecular Modeling, A Future Tool for Molecular Medicine: Retinol Dehydrogenase 16 – Case Study. Oral presentation at the Consortium for an integrated research on molecular medicine: Search for novel biopharmaceuticals from natural resources of West Bengal organized by the Department of Zoology, West Bengal State University, Barasat, 24 Pgs (N), West Bengal (SDT – FIST, Govt. of India and DBT – BOOST. Govt. of India sponsored Department) on 25th February, 2016.
13. Dey, Santi Ranjan. 2015. Arsenic in Surface water of Murshidabad: An urgent call for implementation of Sustainable Development in West Bengal, India. Oral presentation at the National Conference on Natural Resources, Diversity and Sustainable Development organized by the Department of Zoology, University of North Bengal in association with Foundation of Science and Environment, Kolkata in collaboration with West Bengal Biodiversity Board on 11th – 12th December, 2015.
14. Bhattacharya, Silanjan and Dey, Santi Ranjan. 2015. Diversity of Fish Fauna in Transitional district of West Bengal. Oral presentation at the National Conference on Natural Resources, Diversity and Sustainable Development organized by the Department of Zoology, University of North Bengal in association with Foundation of Science and Environment, Kolkata in collaboration with West Bengal Biodiversity Board on 11th – 12th December, 2015.
15. De, Mitu and Dey, Santi Ranjan. 2015. Aquaresources of Patan Wetland, Murshidabad: Floral and Faunal Diversity. Oral presentation at the National Conference on Natural Resources, Diversity and Sustainable Development organized by the Department of Zoology, University of North Bengal in association with Foundation of Science and Environment, Kolkata in collaboration with West Bengal Biodiversity Board on 11th – 12th December, 2015.
16. **Dey, Santi Ranjan.** 2015. Survey and documentation of the Ichthyofaunal Diversity of Malda District of West Bengal. Oral presentation in the Department of Science and Technology, Govt. of West Bengal & West Bengal Biodiversity Board sponsored International Seminar ‘ Exploring the Modern Approach in Biological Science: From Genome to Organism’ organized by the Department of Zoology, Sidho-Kanho-Birsa University in association with

Social Environmental and Biological Association (SEBA), Kolkata on 25th -27th November, 2015.

17. De, Mitu, Roy, Anirban and **Dey, Santi Ranjan**. 2015. Changes in aquatic vegetation and the wetland dependent bird population vis-à-vis urban development on the two arms of an ox-bow lake in Murshidabad: A comparative account. Poster presentation in the Department of Science and Technology, Govt. of West Bengal & West Bengal Biodiversity Board sponsored International Seminar ' Exploring the Modern Approach in Biological Science: From Genome to Organism' organized by the Department of Zoology, Sidho-Kanho-Birsa University in association with Social Environmental and Biological Association (SEBA), Kolkata on 25th -27th November, 2015.
18. Ambiya, Md. Golam, Bhattacharya, Silanjan, De, Mitu and **Dey, Santi Ranjan**. 2015. Vertebrate biodiversity of Ahran: an important wetland of Murshidabad, West Bengal, India. Poster presentation in the Department of Science and Technology, Govt. of West Bengal & West Bengal Biodiversity Board sponsored International Seminar ' Exploring the Modern Approach in Biological Science: From Genome to Organism' organized by the Department of Zoology, Sidho-Kanho-Birsa University in association with Social Environmental and Biological Association (SEBA), Kolkata on 25th -27th November, 2015.
19. Dutta, Upasana, Ambiya, Md. Golam, Bhattacharya, Silanjan and **Dey, Santi Ranjan**. 2015. Studies on population dynamics of *Bellamyia bengalensis* (Lamarck, 1822): An important requisite for commercial culture. Poster presentation in the Department of Science and Technology, Govt. of West Bengal & West Bengal Biodiversity Board sponsored International Seminar ' Exploring the Modern Approach in Biological Science: From Genome to Organism' organized by the Department of Zoology, Sidho-Kanho-Birsa University in association with Social Environmental and Biological Association (SEBA), Kolkata on 25th - 27th November, 2015.
20. **Dey, Santi Ranjan**. 2015. Displacement of the wetland-dependent bird population vis-à-vis urban development in an ox-bow lake in Murshidabad. Poster presentation in UGC sponsored National Seminar on 'Development and Displacement: Revisiting the unresolved contradictions' organized by the Departments of History and Economics, St. Paul's Cathedral Mission College, Kolkata in collaboration with Rammohon College, Kolkata on 6th October, 2015.

21. **Dey, S. R.** 2014. Brain plasticity, **early behavioral intervention** and associated physiological symptoms in young individuals with Autism Spectrum Disorder (ASD). Oral presentation at Physicon 2014, the XXVIth Annual National Conference of The Physiological Society of India organized by the Department of Physiology and the Department of Zoology, Berhampore Girls' College, Berhampore, Murshidabad, West Bengal in collaboration with the Central Sericultural Research and Training Institute, Berhampore, Murshidabad on 19th – 21st December, 2014.

22. **Dey, S. R.,** Basu, I., Chakraborty, C., Chakrabarty, R. and De, M. 2014. Development of Play skills with Behavioral changes among children with Autistic Spectrum Disorders (ASD) following Play Therapy. Oral presentation at Physicon 2014, the XXVIth Annual National Conference of The Physiological Society of India organized by the Department of Physiology and the Department of Zoology, Berhampore Girls' College, Berhampore, Murshidabad, West Bengal in collaboration with the Central Sericultural Research and Training Institute, Berhampore, Murshidabad on 19th – 21st December, 2014.

23. Dey, Santi Ranjan. 2014. Awareness of Autism Spectrum Disorder (ASD) in West Bengal: A pre requisite for Genetic Counselling. Oral presentation in the UGC (UPE-II) Sponsored International Seminar on 'Education of People with Special Needs' organized by the Special Education & HEPSN Cell, Jadavpur University in joint collaboration with Turnstone Global, Kolkata on 4th and 5th March 2014.

24. Dey, Santi Ranjan. 2014. Comparison of Ichthyofauna Diversity of Two Transitional Districts of West Bengal: An Approach towards Biodiversity Management. Poster presentation in the National Conference on Biodiversity: Issues, Concerns and Future strategies (NCB-2014) organized by the West Bengal Biodiversity Board (Department of Environment, Government of West Bengal) held on 16th – 18th January, 2014.

25. Dey, Santi Ranjan. 2013. Survey and identification of predator biodiversity of mustard aphid *Lipaphis erysimi* (Kaltenbuch) for designing Integrated Pest Management (IPM) Strategy. Presented as an oral presentation in the UGC sponsored National Conference on Biodiversity: Interrelationship between flora, fauna and human organized by the Departments of Anthropology, Botany and Zoology of Mrinalini Datta Mahavidyapith, Birati,

Kolkata in collaboration with Department of Anthropology, West Bengal State University, Barasat on 29th and 30th September, 2013.

26. De, Mitu, Dey, Santi Ranjan, Bandyopadhyay, Souvik, Das, Basabadutta and Ghose, Tapas Kumar. 2013. Identification of novel genotypes among the rice biodiversity of West Bengal. Presented as a poster presentation in the UGC sponsored National Conference on Biodiversity: Interrelationship between flora, fauna and human organized by the Departments of Anthropology, Botany and Zoology of Mrinalini Datta Mahavidyapith, Birati, Kolkata in collaboration with Department of Anthropology, West Bengal State University, Barasat on 29th and 30th September, 2013.
27. De, Mitu, Dey, Santi Ranjan, Bandyopadhyay, Souvik, Das, Basabadutta and Ghose, Tapas Kumar. 2013. Documentation of the folk rice varieties of West Bengal: a fast depleting natural resource. Poster presentation in the National Seminar on natural resources and heritage conservation issues in India organized by Social, Environmental and Biological Association (SEBA) on 8th September, 2013.

28. Dey, Santi Ranjan. 2013. Biological control of aphids by Neuroptera (Insecta): Progress towards environment friendly integrated pest management (IPM) strategy. Oral presentation in the UGC sponsored seminar on Progress of Science vis-à-vis Environment organized by Sarojini Naidu College for Women in collaboration with Motijheel College on 14th January, 2013.

29. De, Mitu, Dey, Santi Ranjan, Bandyopadhyay, Souvik and Ghose, Tapas Kumar. 2012. Multivariate analysis of folk rice germplasm for identification of tungro tolerance
30. donor : towards development of markers for molecular breeding program. Poster Presentation at the one day National Level Seminar on 'Emerging Trends in Cell and Molecular Biology' held on 14th December, 2012, organized by the Department of Life Science and Biotechnology, Jadavpur University.
31. De, Mitu, Dey, Santi Ranjan, Bandyopadhyay, Souvik, Das, Basabadutta, Sengupta, Shamik and Ghose, Tapas Kumar. 2012. Documentation and characterization of the non Basmati aromatic Rice Landraces of West Bengal as a safeguard measure against Biopiracy. Oral presentation in the National Level Conference on "Biodiversity: Threats and Conservation through Traditional and Biotechnological approaches" sponsored by UGC, CSIR & Dept. of

- Science and Technology, Govt. of West Bengal. Organized by Dum Dum Motijheel College in collaboration with Bose Institute and Botanical Survey of India on 4th – 6th Feb, 2012.
32. Dey, Santi Ranjan and De, Mitu. 2012. Biodiversity of green lacewings (Neuroptera: Chrysopidae) with their prey aphids and Aphid Host Plants of Western Himalaya. Poster presentation in the National Level Conference on "Biodiversity: Threats and Conservation through Traditional and Biotechnological approaches" sponsored by UGC, CSIR & Dept. of Science and Technology, Govt. of West Bengal. Organized by Dum Dum Motijheel College in collaboration with Bose Institute and Botanical Survey of India on 4th – 6th Feb, 2012.
33. De, M., Dey, S. R. and Ghose T. K. 2012. Advances in Rice Tungro Disease (RTD) Resistance and management: from Conventional to molecular breeding. Oral presentation in the UGC Sponsored National Seminar on 'Plant Science Research in Human Welfare' organized by Department of Botany, Bidhannagar College, Kolkata in collaboration with Botanical Survey of India on 11th and 12th January, 2012.
34. De, Mitu, Dey, Santi Ranjan, Bandyopadhyay, Souvik, Das, Basabadutta, Sengupta, Shamik and Ghose, Tapas Kumar. 2011. Traditional Rice and Rice in Tradition: An Assessment of the Traditional Rice Diversity of West Bengal. Oral presentation in the National Symposium on "Plant Diversity and Resources: Evolution, Analyses, Stress and Challenges and Palaeophytodiversity: Its Aspects and Prospects. Organised by Botanical Society of Bengal, Kolkata in collaboration with Department of Botany and CAS in Botany, University of Calcutta. 20th- 22nd December, 2011.
35. De, Mitu, Dey, Santi Ranjan, Bandyopadhyay, Souvik, Das, Basabadutta, Sengupta, Shamik and Ghose, Tapas Kumar. 2011. Evaluation, utilization and conservation of versatile rice (*Oryza sativa* L.) biodiversity in the post Green Revolution era. Oral presentation in the UGC Sponsored National Seminar on " Biodiversity- Crisis, Conservation & Management" Organised by Department of Botany & Chemistry, East Calcutta Girls' College, Lake Town, Kolkata-89 in collaboration with West Bengal Biodiversity Board, Dept. of Environment, Govt. of West Bengal. 8th and 9th December, 2011.
36. De, Mitu, Dey, Santi Ranjan, Bandyopadhyay, Souvik, Das, Basabadutta, Sengupta, Shamik and Ghose, Tapas Kumar. 2011. Dwindling rice (*Oryza sativa* L.) genetic diversity of West Bengal: Base Line data for future Conservation Strategy. Oral presentation in the UGC Sponsored National Seminar on "Recent Advances in Plant Sciences- Diversity, Conservation & its Applications" Organised by Department of Botany, Rishi Bankim Chandra College, Kanthalpara, Naihati, 24 Parganas, West Bengal in collaboration with Department of Botany, West Bengal State University, Barasat, West Bengal. 19th Nov, 2011.

37. De, Mitu, Dey, Santi Ranjan, Bandyopadhyay, Souvik, Das, Basabadutta, Sengupta, Shamik and Ghose, Tapas Kumar. 2011. Impact of Genetic Erosion on Sustainable Rice Production: A Case Study in West Bengal. Poster presentation in the UGC Sponsored National Level Seminar on Organic Agriculture and Biosafety. Organized by Bioscience Departments, Gurudas College, Kolkata 54 in collaboration with Bidhan Chandra Krishi Viswa Vidyalaya, Kalyani. 18th Nov, 2011.
38. Dey, Santi Ranjan, De, M. and Ghose T. K. 2011. Screening Rice Genotypes for Resistance to Rice Tungro Disease (RTD): Environmentally safe option for Tungro Disease Management. Poster presentation in the UGC Sponsored National Level Seminar on 'Organic Agriculture and Biosafety' Organized by Bioscience Departments, Gurudas College, Kolkata 54 in collaboration with Bidhan Chandra Krishi Viswa Vidyalaya, Kalyani. 18th Nov, 2011.
39. Das, B., Sengupta, S., Debnath, M., RoyChaudhury, T.; Biswas, S., De, M., Dey, N., Dey, S. R., Ghosh, M and Ghose, T. K. 2008. Genetic Diversity Assessment of Rice Landraces of West Bengal North East India. International symposium to commemorate the 150th Birth Anniversary of Sir J. C. Bose and the Birth Centenary of Prof. S. M. Sircar. " An Journey from Plant Physiology to Plant Biology' Bose Institute, Kolkata. 24-28th November, 2008.
40. Mitu De, Narottam Dey, Santi Ranjan Dey, Basabadutta Das, Tathagata Ray Chaudhuri, Sudarsana Biswas and Tapas Kumar Ghose. (2008). Rice (*Oryza sativa* L.) landraces of West Bengal: Assessment of the genetic diversity. International Seminar on Multidisciplinary Approaches in Angiosperm Systematics. Department of Botany, University of Kalyani. 11th – 13th October 2008.
41. De, M.; Dey, S. R.; Dey, N.; RoyChaudhury, T. and Ghose, T.K. (2008). Determination of Genetic Diversity of Rice (*Oryza sativa* L.): Landraces of West Bengal. National Seminar on 'Science since Linnaeus.' Bidhannagar College, Kolkata-64 and sponsored by Department of Higher Education, West Bengal, 18 -19 March, 2008.
42. Das, B., Dey, N., Biswas, S., RayChaudhury, T., **De, M.**, Dey, S. R. and Ghose, T. K. 2006. An Attempt to Understand Biodiversity. State Level Seminar on Biodiversity, Biotechnology and Biosafety: A New Horizon in Biology. Department of Zoology, Vidyasagar College, Kolkata. 10-11 February, 2006.
43. Dey, N.; Biswas, S.; Raychaudhury, T.; De, M.; Dey, S. R.; Prasad, M. and Ghose, T.K. 2004. Grain and kernel dimensions in rice: genetic diversity and QTL mapping. National Conference on Plants, Microbes and Environment: Issues and Challenges. March 20-21, 2004. Department of Botany, University of Burdwan, Burdwan 713 104, West Bengal, India. pp 65.

44. Sudarsana Biswas, Narottam Dey, Tathagata Raychaudhuri, Santi Ranjan Dey, Mitu De, Manoj Prasad and Tapas Kumar Ghose. (2004). Identification of a major QTL for cooked kernel elongation on Chromosome 8 of rice (*Oryza sativa* L.) 8th ADNAT Symposium on Comparative and Functional Genomics, Center for Cellular and Molecular Biology, Hyderabad, February 23-24, 2004.
45. Dey, N.; Biswas, S.; RoyChaudhury, T.; Dey, S. R.; De, M. and Ghose, T. K. (2003) Use of PCR-Based SSLP Markers in Rice Breeding. National Conference on Application of Identified Chemical and Biological Technologies in Agriculture, Jadavpur University, Kolkata, March 14-15, 2003.
46. RoyChaudhury, T; Dey, N; Biswas, S; Dey, S. R., De, M. and Ghose, T.K. (2002). DNA Fingerprinting: A Tool for Determining Genetic Diversity in Rice (*Oryza sativa* Linn.). National Conference on Biodiversity-Past and Present, The Palaeobotanical Society, Lucknow, 28-29 November, 2002.
47. Roy Chaudhury, T.; Biswas, S; Dey, S. R., Dey, N.; De, M. and Ghose, T.K. (2002). Identification of PCR-based SSLP Markers Linked with Aroma in Rice. International Symposium on Plant Biodiversity: Conservation and Evaluation, Bose Institute, Kolkata, 17-19 December, 2002.
48. Biswas, S.; RoyChaudhury, T.; Dey, S. R.; Dey, N.; De, M. and Ghose, T.K. (2002). Assessment of Genetic Diversity in Rice Based on Agromorphology and DNA-Markers. International Symposium on Plant Biodiversity: Conservation and Evaluation, Bose Institute, Kolkata, 17-19 December, 2002.
49. De, M.; Dey, S. R.; Biswas, S.; Dey, N.; RoyChaudhury, T.; and Ghose, T.K. (2002) Genetic Diversity of Rice (*Oryza sativa* Linn.): Landraces of West Bengal. International symposium on Plant Biodiversity: Conservation and Evaluation, Bose Institute, Kolkata, 17-19 December, 2002

Participation in Workshops by Dr. Santi Ranjan Dey

1. Participated in a 7 day Short Term Course on 'Bioinformatics' organized by UGC Human Resource Development Centre, University of Calcutta held during 25th – 31st January, 2017.
2. Participated in a 7 day Short Term Course: Season II on Soft Skills Development and Stress Management organized by the Department of Philosophy and the Department of Sociology Department of Philosophy and the Department of

Sociology of Sarojini Naidu College for Women in collaboration with Centre for Counselling Services and Studies in Self Development, Jadavpur University during 9th February to 17^h February 2016.