


PROF. PRIYASANKAR CHAUDHURI (RETD. ON 31.12.2021)

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Academic Qualifications:	M.Sc. (Zoology)/ Calcutta University, Ph.D. (Zoology)/ Calcutta University	
Present Designation/position:	Professor (Retd. on 31.12.2021) Endocrinology, Reproductive Physiology, Invertebrate Neuroendocrinology, Soil Zoology, Evolution, Animal Physiology, Functional anatomy of Chordates	
Topics Taught:		

PUBLICATIONS (YEAR-WISE):

1. Sourabh Chakraborty, Biplab Debbarma and **P. S. Chaudhuri** (2023) Ecology and Diversity of Earthworms in Different Land-Use Systems of North-East India; A Review. Asian Journal of Conservation Biology 12 (2): 268 – 287
2. **P. S. Chaudhuri** (2023) Basic Histological Techniques (Micro Techniques) for Staining of Animal Tissue. Uttar Pradesh Journal of Zoology, **44**, 225-230.
3. Subhalaxmi Bhattacharjee and **P. S. Chaudhuri** (2022) Cocoon Biology of Sixteen Different Species of Indian Earthworms. Indian Journal of Biological Sciences **26**, 48-66.
4. **P. S. Chaudhuri** (2022) Neurosecretion in oligochaetes - a less studied subject in invertebrate research. Uttar Pradesh Journal of Zoology **43**(6), 11-18.
5. **P. S. Chaudhuri** and Ruma Datta (2021) Neuroendocrine control of cocoon production in native earthworm *Perionyx ceylanensis*. Journal of Environmental Biology **42**: 930-937.
6. **P. S. Chaudhuri** and S.K.S. Jamatia (2021) Impact of Rubber Leaf vermicompost on Tea (*Camellia sinensis*) yield and earthworm population in West Tripura (India): Agricultural Science Digest **41**(2), 274-281.
7. S. Debnath and **P. S. Chaudhuri** (2020) Growth and Reproduction of *Perionyx excavatus* (Perrier) during Vermicomposting of Different Plant Residues. Nature Environment and Pollution Technology **19**, 1937-1943.

8. Biplab Debbarma and **P. S. Chaudhuri** (2020) Earthworm casting activity and their nutrient contribution to the soils of pasture, natural forest and rubber plantation in Tripura, India, **41**(21)11-22.
9. **P. S. Chaudhuri** and Ruma Datta (2020) Studies on cocoons of Three Epigeic Earthworm Species *Perionyx excavatus* (Perrier), *Perionyx ceylanensis* (Michaelsen) and *Eudrilus eugeniae* (Kinberg) with SEM Observations. Proc. Zool. Soc. **73**(4) 430-440. <https://doi.org/10.1007/s12595-020-00351-5> (Springer).
10. Sourabh Chakraborty, Niladri Paul, and **P. S. Chaudhuri** (2020) Earthworm casting activities under bamboo plantations of West Tripura, India and their impact on soil physicochemical properties. Current Science 119(7): 1169-1177.
11. Shilpa Dhar and **P. S. Chaudhuri** (2020) Earthworm community characteristics in the soils of two terrestrial land use systems (Banana and Flower Plantations) in West Tripura (India). Uttar Pradesh Journal of Zoology, 41(9): 40-54.
12. Dipanwita Banik, **P. S. Chaudhuri**, and Anurag Bhattacharjee (2020) Cytomorphological changes in the cerebral and ventral ganglionic neurosecretory cells during copulation in epigeic earthworms. European Journal of Biological Research, 10(3): 207-2016.
13. Ruma Datta and **P. S. Chaudhuri** (2020) Vermiculture of Native Earthworm *Perionyx ceulanensis* in different experimental diets. Uttar Pradesh Journal of Zoology, 41(9)116-122.
14. **P. S. Chaudhuri** and Susmita Debnath (2020) Growth and reproductive biology of earthworms in Organic waste Breakdown Under the Indian Conditions. In: Sartaj Ahmad Bhat, Adarsh Pal Vig, Fusheng Li and Balasubramani Ravindran Editors: Earthworm Assisted Remediation of Effluents and Wastes, Springer Nature, ISBN: 978-981-15- 4522-1: pp 179-193.
15. Susmita Debnath and **P. S. Chaudhuri** (2020) Management of Invasive Weeds and leaf litter through Vermicomposting (*Perionyx excavatus*). Editors: Tilak Saha and Bipranish Kumar Tiwary; Recent trends in Biotechnology: Microbes, Environment and Human Welfare. NOVA Publishers, New York (ISBN: 978-1-53617-945- 3), pp 297-314.
16. Anurag Bhattacharjee and **P. S. Chaudhuri** (2020) Effects of posterior amputation on the cerebral neurosecretory cells of Indian earthworm, *Lampito mauritii* (Kinberg). Neurology and Neuroscience Reports Vol 3: 1-4(doi:10.15761/NNR.1000123).
17. **P. S. Chaudhuri** and Susmita Debnath (2020) Physico-chemical changes during vermicomposting of a terrestrial weed, Mikania micrantha, and leaf litters of *Acacia auriculiformis* and *Bambusa polymorpha* mixed with cow dung. Journal of Environmental Biology: 41,178-185.
18. Anurag Bhattacharjee and **P. S. Chaudhuri** (2020) Effects of dehydration and subsequent hydration stress on the cerebral neurosecretory cells of *Eudrilus eugeniae* (Kinberg, 1867). GSC Biological and Pharmacological Sciences: 11(2), 053-060.
19. Susmita Debnath and **P. S. Chaudhuri** (2020) Cocoon Biology of Earthworms of Waste

- Deposit Sites of Tripura (India). Uttar Pradesh Journal of Zoology 41(2): 32-46.
20. S.K.S. Jamatia and **P. S. Chaudhuri** (2019) Effects of Tea leaf-based diets on the growth and reproduction in two tropical earthworm species (*Pontoscolex corethrurus* and *Drawida assamensis*). Applied Biological Research 21(3): 211-220.
 21. Shilpa Dhar and **P. S. Chaudhuri** (2020) Earthworm Communities in Paddy (*Oryza sativa*) Fields of West Tripura (India). Proc. Zool. Soc. (Springer) <https://doi.org/10.1007/s12595-019-00313-6>.
 22. Dipanwita Banik and **P. S. Chaudhuri** (2019) Histogenesis of neurosecretory system in the nerve ring of *Eudrilus eugeniae* during anterior regeneration. Uttar Pradesh Journal of Zoology, 40(3), 96-104.
 23. Shilpa Dhar and **P. S. Chaudhuri** (2019) Effect of Earthworm, *Glyphidrilus* sp. on soil Physico-Chemical Properties, Growth and Yield of Paddy - An "In-Situ" Pot Culture Experiment. World Journal of Agricultural Sciences 15(4): 235-243.
 24. Biplab Debbarma and **P. S. Chaudhuri** (2019) Earthworm communities under Pasture Ecosystems in Tripura, India. International Journal of Ecology and Environmental Sciences 45(2): 179-190.
 25. **P. S. Chaudhuri** and Sourabh Chakraborty (2019) Impact of five different species of bamboo plantations on earthworm communities in West Tripura. Rec. Zool. Surv. India, 119(1): 18-33.
 26. **P. S. Chaudhuri** and Saurabh Chakraborty (2019) Bamboo (*Bambusa polymorpha*) leaf litter as a vermiculture substrate for earthworms, *Pontoscolex corethrurus* (Muller) and *Drawida assamensis* Stephenson. Science & Culture 85(3-4): 105-112.
 27. Susmita Debnath and **P. S. Chaudhuri** (2019) Earthworm communities in the waste deposit sites (cow dung heaps and municipal solid wastes) of West Tripura, India. International Journal of Ecology and Environmental Sciences 45(1): 1-14.
 28. Shilpa Dhar and **P. S. Chaudhuri** (2018) Earthworm Communities in Banana (*Musa paradisiaca*) and Paddy (*Oryza sativa*) Plantations of West Tripura, India. In: Biodiversity Conservation: Strategies and Applications (Editor, Prof. G.S. Solanki), South Eastern Book Agencies, Guwahati), p 331-346.
 29. **P. S. Chaudhuri** (2018) Earthworm Technology - A Promising Tool for Second Green Revolution. In: Advances in Waste Management. (Edn. A.S. Kalamdhad, J.Singh and K. Dhamodharan). Springer Nature, Singapore, ISBN 978-981-13-0214- 5, doi.org/10.1007/978-981-13-0215-2 pp 1-16.
 30. **P. S. Chaudhuri** (2018) Kitchen Waste-Routine Home Waste: A good source of organic manure. In: ORGANIC MANURE: Sources, Preparation and Usage in Farming Lands. (Editor: Prof S. M. Singh), Siya Publishing House, N. Delhi, pp 47-51. (ISBN:987-93-87387-01-0)
 31. S.K.S. Jamatia and **P. S. Chaudhuri** (2017) Species diversity and community

- characteristics of earthworms in managed and degraded tea plantations of Tripura. *Journal of Environmental Biology*, 38(1349-1356).
32. **P. S. Chaudhuri** (2017) Earthworm Technology- A tool for Sustainable Agriculture. The Third International Conference on Bioresource and Stress Management (November 8-11), Jaipur, Souvenir book, ISBN 978-93-84553-04-3, pp 94-99.
 33. M. Debnath, **P. S. Chaudhuri**, P.P. Chakraborty and S.K. Sil (2017) Nutrient content of native earthworm, *Eutyphoeus gammiei* (Beddard) of Tripura (India). *International Journal of Pharmaceutical Sciences and Research*, Vol. 8(11), 4832-4838
 34. Dipanwita Banik and **P. S. Chaudhuri** (2017) Regeneration ability in seventeen topsoil and subsoil earthworm species. *Journal of Environmental Biology* 28(3), 393-399.
 35. S.K.S. Jamatia and **P. S. Chaudhuri** (2017) Earthworm community structure under tea plantation (*Camellia sinensis*) of Tripura (India). *Tropical Ecology* 58(1): 105-113.
 36. Dipanwita Banik and **P. S. Chaudhuri** (2016) Neuroendocrine control of posterior regeneration in Tropical Earthworm, *Eudrilus eugeniae* (Kinberg). *Journal of Life Sciences* 10, 289-297.
 37. S.K.S. Jamatia and **P. S. Chaudhuri** (2016) Earthworm Population of Tea Plantation (*Camellia sinensis*) in Tripura (India). *The Global Journal of Life Science and Research* 2(1),173-185
 38. **P. S. Chaudhuri**, T.K. Paul, Animesh Dey (2016) Effect of rubber leaf litter vermicompost on earthworm population and yield of Pineapple (*Ananus comosus*) in West Tripura, India. *Int. J. Recycl. Org. Waste. Agricult* (Springer). DOI 10.1007/s40093-016-0120-z.
 39. Animesh Dey and **P. S. Chaudhuri** (2016) Species richness. Community organization, and spatiotemporal distribution of Earthworm in the Pineapple Agroecosystem of Tripura, India. *International Journal of Ecology* Vol 2016, <http://dx.doi.org/10.1155/2016/3190182>, page 1-19.
 40. Saurabh Chakraborty and **P. S. Chaudhuri** (2017) Earthworm communities in the bamboo plantations of West Tripura. *Proceedings of Zoological Societies* (Springer), vol 70(2) pp105-118.
 41. **Chaudhuri P. S.** and Dipanwita Banik (2015) Cytology and histology of the cerebral neurosecretory systems in some tropical earthworm species. *Cytology and Histology* 6,1-7(doi:10.4172/2157-7099,1000367).
 42. **P. S. Chaudhuri**, 2015. How an exotic earthworm appear in the rubber plantation of Tripura? *Vermico* 8(2): 3-4.
 43. G. Bhattacharjee, **P. S. Chaudhuri** and S. Bhattacharjee (2014) Reproductive strategies of some tropical earthworm species. *Science & Culture* 80 (11-12):339-346.
 44. S. Bhattacharjee, A. Dey and **P. S. Chaudhuri** (2014) Growth and reproduction of *Pontoscolex corethrurus* in the mineral soils of different age groups of rubber (*Hevea*

- brasiliensis*) under laboratory conditions. *Annals of Biological Research* 5(7): 1-9.
45. D. Ghosh, M. Sarkar, A. Datta, G. Bhattacharjee and **P. S. Chaudhuri** (2014) Preliminary studies on analysis of coelomic fluid of giant octochaetid earthworm, *Eutyphoeus gammiei*. *International Journal of Biological & Pharmaceutical Research* 5(12): 983-987.
 46. S. Nath and **P. S. Chaudhuri** (2014) Growth and reproduction of *Pontoscolex corethrurus* (Muller) with different experimental diets. *Tropical Ecology* 55(3).
 47. A. Dey and **P. S. Chaudhuri** (2014) Earthworm community structure of pineapple (*Ananus comosus*) plantations under monoculture and mixed culture in West Tripura, India. *Tropical Ecology* 55(1) 1-17.
 48. A. Dey and **P. S. Chaudhuri** (2014) Application of species accumulation curve, non-parametric richness estimators and rarefaction curves for sampling optimization, quantification and comparison of earthworm species richness in the pineapple and mixed fruit plantations of west Tripura. In: *Biology and Ecology of Tropical Earthworms* (PS Chaudhuri and SM Singh), Discovery Publishing House Pvt. Ltd, New Delhi. pp. 108-124.
 49. S. Nath and **P. S. Chaudhuri** (2014) Biological activities of earthworm species of rubber plantation under laboratory conditions. In: *Biology and Ecology of Tropical Earthworms* (PS Chaudhuri and SM Singh), Discovery Publishing House Pvt. Ltd, New Delhi. pp. 162-171.
 50. A. Dey and **P. S. Chaudhuri** (2013) Density, diversity and distribution of earthworms in pineapple plantation (*Ananas comosus*) plots of different ages in West Tripura, India. In: *Climate Change and Biodiversity* (Eds. PK Bharti, A Chauhan), Discovery Publishing House Pvt. Ltd, New Delhi, pp 61-80.
 51. A. Dey and **P. S. Chaudhuri** (2013) Quantifying earthworm species richness in the pineapple and mixed fruit plantations of West Tripura, India. *European Journal of Soil Biology* 59, 31-35.
 52. **P. S. Chaudhuri**, S. Bhattacharjee, A. Dey, S. Chattopadhyay and D. Bhattacharya (2013) Impact of age of rubber (*Heavea brasiliensis*) plantation on earthworm communities of West Tripura (India). *J. Env. Biol.* 34, 59-65.
 53. **P. S. Chaudhuri** and A. Dey (2013) Earthworm communities in the pineapple (*Ananus comosus*) and mixed fruit plantation of West Tripura, India. *Proceedings of the Zoological Society* 66(2) 105-118.
 54. Dey, S. Debnath, B. Debbarma, **P. S. Chaudhuri** (2013) A preliminary study on spider diversity from a household garden (artificial mixed plantation) in West Tripura, India. *Journal of Research in Biology* 3(5), 1009-1017.
 55. Dey, D. Deb, S. Das Chaudhuri and **P. S. Chaudhuri** (2013) A preliminary study on avifaunal species diversity of Maharaja Bir Bikram College campus, Tripura, northeast India. *International Multidisciplinary Research Journal* 3(1).

56. **P. S. Chaudhuri**, T.K. Pal, S. Nath and S.K. Dey (2012) Effects of five earthworm species on some physico-chemical properties of soil. *J. Env. Biol* 33, 713-716.
57. A. Dey and **P. S. Chaudhuri** (2012) Community characteristics of earthworms in different age groups of pineapple plantations (*Ananus comosus*) in West Tripura, India. *The Asian and Australasian Journal of Plant Science and Biotechnology* 6, 67-75.
58. A. Dey, S. Nath and **P.S. Chaudhuri** (2012) Impact of monoculture (rubber and Pineapple) practices on the community characteristics of earthworms in West Tripura (India). *NeBIO* 3(1), 53-58.
59. A. Dey and **P. S. Chaudhuri** (2012) Community analysis of earthworms in two different age groups of pineapple plantation in West Tripura, India. *NeBIO* 3(3), 54-60.
60. S. Nath and **P. S. Chaudhuri** (2012) Effect of rubber leaf litter diet on growth and reproduction of five tropical species of earthworms under laboratory conditions. *Journal of Environmental Biology* 38(2), 174-178.
61. **P. S. Chaudhuri**, A. Dey, G. Bhattacharjee and S. Nath (2012) Earthworm diversity in Tripura – present status. *Science & Culture* 78, 343-346.
62. **P. S. Chaudhuri** and S. Bhattacharjee (2011) Reproductive biology of eight tropical earthworm species of rubber plantations in Tripura, India. *Tropical Ecology* 52(1), 49-60.
63. **P. S. Chaudhuri** and S. Nath (2011) Community structure of earthworms under rubber plantations and mixed forests in Tripura. *J. Env. Biol* 32, 537-541.
64. S. Nath and **P.S. Chaudhuri** (2010) Human-induced biological invasions in rubber (*Hevea brasiliensis*) plantations of Tripura (India) - *Pontoscolex corethrurus* as a case study. *Asian J. Exp. Biol. Sci.* 1(2), 360-369.
65. **P. S. Chaudhuri**, S. Nath, T.K. Pal and S.K. Dey (2009) Earthworm casting activities under rubber (*Hevea brasiliensis*) plantations in Tripura (India). *World Journal of Agricultural Sciences* 5(4), 515-521.
66. **P. S. Chaudhuri**, S. Nath, S. Bhattacharjee and R. Paliwal (2009) Biomass, density and diversity of earthworms under rubber (*Hevea brasiliensis*) plantations in Tripura, India. *The Bioscan* 4(3), 475-479.
67. **P. S. Chaudhuri** (2009) Earthworm Technology a promising tool for second green revolution. In: *Earthworm Ecology and Environment* (Ed. S.M. Singh), International book distributing Co., Lucknow, pp. 33-49.
68. **P. S. Chaudhuri** and S. Bhattacharjee (2009) Impact of Rubber (*Hevea brasiliensis*) plantation on the Earthworm communities in Tripura (India) In: *Earthworm Ecology and Environment* (Ed. S.M. Singh), International book distributing Co., Lucknow, pp. 97-100.
69. **P. S. Chaudhuri**, S. Nath, S. Bhattacharjee and P. Chakraborty (2008) Biodiversity of earthworms in the soils under rubber plantations in Tripura (India). *Natural Rubber Research* 21, 119-124.

70. **P. S. Chaudhuri**, S. Nath, and R. Paliwal, (2008) Earthworm Population of Rubber plantations (*Hevea brasiliensis*) in Tripura (India), *Tropical Ecology* 49(2), 225-234.
71. **P. S. Chaudhuri** (2007) Vermicomposting as biotechnology for conversion of organic wastes into organic fertilizer and animal protein. In: *Earthworms for Solid Waste Management*. (Ed. S.M. Singh). International Book Distributing Co., Lucknow (Published) pp 75-87.
72. **P. S. Chaudhuri** and G. Bhattacharjee (2006) A report on hatching of a three-tailed earthworm (*Polypheretima elongata*) from India. *Natl Acad Sci Lett.* 29 (3 & 4), 131- 132.
73. M. Debnath, B. De, P.R. Bhattacharjee, R. Chaudhuri and **P. S. Chaudhuri** (2006) Effects of earthworm extract on sperm and intestinal smooth muscle of Cat. *Adv. Pharmacol. Toxicol* 7(1), 23-24.
74. **P. S. Chaudhuri** and G. Bhattacharjee (2005) Earthworms of Tripura. *Ecology, Environment and Conservation* 11(2), 295-301.
75. **P. S. Chaudhuri** (2005) Vermiculture and Vermicomposting as biotechnology for conversion of organic wastes into organic fertilizer and animal protein (Review). *Asian Journal of Microbiology, Biotechnology and Environmental Sciences* 7(3), 359-370.
76. **P. S. Chaudhuri**, T.K. Pal, G. Bhattacharjee and S.K. De (2003) Rubber leaf litters (*Hevea brasiliensis*, var RRIM 600) as vermiculture substrate for epigeic earthworms, *Perionyx excavatus*, *Eudrilus eugeniae* and *Eisenia fetida*. *Pedobiologia* 47, 796-800.
77. **P.S. Chaudhuri** and G. Bhattacharjee (2002) Capacity of various experimental diets to support biomass and reproduction of *Perionyx excavatus*. *Bioresource Technology* 82, 147-150.
78. G. Bhattacharjee and **P. S. Chaudhuri** (2002) Cocoon production, morphology, hatching pattern and fecundity in seven tropical earthworm species – a laboratory based investigation. *Journal of Bioscience* 27, 283-294.
79. **P. S. Chaudhuri** and G. Bhattacharjee (2001) Changes in the level of nutrients during processing of municipal sewage sludge by earthworms (*Polypheretima elongata* and *Eutyphoeus gammiei*). *Proc. Zool. Soc. Calcutta* 54(2), 81-83.
80. **P. S. Chaudhuri**, T.K. Pal, G. Bhattacharjee and S.K. De (2001) Nutrient changes during vermicomposting by *Perionyx excavatus* of the aquatic weed, *Trapa bispinosa* (2001) *Philippine Journal of Science* 130, 127-133.
81. G. Bhattacharjee, **P. S. Chaudhuri** and M. Datta (2001) Response of paddy (var, TRC-87-251) crop on amendment of the field with different levels of vermicompost. *Asian Jr. of Microbiol. Biotech. & Env. Sc.* 3, 191-196.
82. **P. S. Chaudhuri**, D.K. Nanda, G. Bhattacharjee and T. Nanda (2001) Organic farming through vermicomposting. *Proc. Zool. Soc. Calcutta* 54(3), 18-21.
83. **P. S. Chaudhuri**, G. Bhattacharjee, T.K. Pal and S.K. De (2001) Changes in the level of nutrients during processing of municipal sewage sludge by earthworms *Polypheretima*

elongata and *Eutyphoeus gammiei*. Proc. Zool. Soc. Calcutta 54(2), 69-72.

84. **P. S. Chaudhuri**, T.K. Pal, G. Bhattacharjee and S.K. De (2000) Chemical changes during vermicomposting (*Perionyx excavatus*) of kitchen wastes. Tropical Ecology 41, 107-110.
85. **P. S. Chaudhuri**, T.K. Pal, G. Bhattacharjee and S.K. De (2000) Chemical characterization of kitchen waste vermicompost processed by *Perionyx excavatus*. Environment and Ecology 18, 902-904.
86. **P. S. Chaudhuri** and G. Bhattacharjee (1999) Earthworm resources of Tripura. Proc. Nat Acad. Sci. India 69, 159-170.
87. **P. S. Chaudhuri** and G. Bhattacharjee (1998) A new method of kitchen waste composting by *Perionyx excavatus*. Proceedings of the National Seminar on Environment Biology (Eds. A.K. Aditya & P. Halder), Daya Publishing House, Delhi, pp 222-226.
88. G. Bhattacharjee and **P.S. Chaudhuri** (1998) Studies on cocoons of some tropical earthworms. Proceedings of the National Seminar on Environmental Biology (Eds. A.K. Aditya & P. Halder), Daya Publishing House, Delhi, pp 231-235.
89. **P. S. Chaudhuri**, D. Chaudhuri and D.K. Nanda (1998) Impact of posterior tran-section on cerebral neurosecretory elements of Indian earthworm *Eutyphoeus gammiei* (Beddard). Ind. J. Physiol. & Allied Sci. 52, 63-69.
90. D. Chaudhuri, **P. S. Chaudhuri**, T. Nanda and D.K. Nanda (1998) Temperature effect on the cerebral neurosecretory cells of earthworms, *Eutyphoeus gammiei*. Indian Biologist 30, 62-65.
91. D. Chaudhuri, **P. S. Chaudhuri** and D.K. Nanda (1997) Light and scanning electron microscopic studies on the cerebral neurosecretory system in Indian octochaetid earthworm, *Eutyphoeus gammiei* (Beddard). J. Adv. Zool 18, 102-106.
92. **P. S. Chaudhuri** and S. Gonchaudhuri (1997) Anatomy of the reproductive system of the Indian Earthworm, *Eutyphoeus gammiei*. Proc. Nat Acad. Sci. India 67, 31-38.
93. D. Chaudhuri, **P. S. Chaudhuri** and D.K. Nanda (1996) A histochemical probe of neurosecretory cells in the supraoesophageal ganglion of giant earthworm, *Eutyphoeus gammiei*. Proc. Zool. Soc, Calcutta 49, 29-42.
94. D. Chaudhuri, **P. S. Chaudhuri** and D.K. Nanda (1996) The influence of starvation on the neurosecretory cells of giant earthworm, *Eutyphoeus gammiei*. Proc. Zool Soc. Calcutta 49, 43-50.
95. **P. S. Chaudhuri**, D.K. Nanda and D. Chaudhuri (1996) Extraction of octochaetid earthworm, *Eutyphoeus gammiei* using an aqueous extract of *Polygonum hydropiper* Linn, with a comparison of other chemical methods of estimating earthworm populations. Philippine Journal of Science 125, 227-234.
96. **P. S. Chaudhuri**, D. Chaudhuri, D.K. Nanda, and B. Achari (1996) Chemical nature of earthworm repellent factor in the plant (*Polygonum hydropiper* Linn) extract. Indian Journal of Experimental Biology 34, 277-278.

97. **P. S. Chaudhuri**, D. Chaudhuri, and D.K. Nanda (1995) Cytomorphological alterations in the neurosecretory cells of earthworm *Eutyphoeus gammiei* treated with the plant (Polygonum hydropiper Linn) extract and the nature of earthworm repellent factors. Proc. Indian Natn. Sci. Acad 61, 213-224.
98. D. Chaudhuri and **P. S. Chaudhuri** (1993) Cytomorphic changes in the brain neurosecretory cells of an Indian earthworm, *Eutyphoeus gammiei* exposed to dehydration and subsequent hydration. Proc. Zool. Soc. Calcutta 46, 106-111.
99. **P. S. Chaudhuri** and D. Chaudhuri (1993) Effects of salt stress on the brain neurosecretory cells of the Indian earthworm, *Eutyphoeus gammiei*. Ind. J. Physio. & Allied Sci. 47, 159-164.
100. **P. S. Chaudhuri**, D.K. Nanda and D. Chaudhuri (1992) Retrieving of vermes from the soil following application of the aqueous extract of the plant, *Polygonum hydropiper* Linn. Proc. Zool. Soc., Calcutta 45 (Suppl. A), 445-446.
101. **P. S. Chaudhuri**, D.K. Nanda and D. Chaudhuri (1992) Histological studies on the neurosecretory system of the central nervous system of the earthworm, *Eutyphoeus gammiei* (Beddard). Proc. Zool. Soc, Calcutta 45 (Suppl. A), 289-299.
102. **P. S. Chaudhuri**, D. K. Nanda, and R. Debnath (1991) Cytomorphic studies on the neurosecretory cells in the central nervous system of the Indian Hoarse-shoe crab *Carcinoscorpius rotundicauda* (Latrielle). Functional and developmental morphology 1(1), 13-16.
103. **P. S. Chaudhuri** and D.K. Nanda (1990) Effect of aqueous extract of Polygonum hydropiper Linn on the neurosecretory cells of the nerve ring of vermes, *Eutyphoeus* sp. Science and Culture 56, 290-292.
104. **P. S. Chaudhuri** and D.K. Nanda (1990) Cytochemical studies on the ventral nerve cord neurosecretory cells earthworm, *Metaphire peguana* (Rosa, 1890). Acta Biologica Cracoveinsia 321, 61-72.
105. **P. S. Chaudhuri**, D.K. Nanda and R. Debnath (1990) Cytomorphic studies on the neurosecretory cells in the central nervous system of the Indian Horshoe crab *Carcinoscorpius rotundicauda* (Latriella). Functional and Development Morphology (Academia publication) I, 13-17.
106. **P. S. Chaudhuri** and D.K. Nanda (1989) Effects of whole-body X-irradiation on the neurosecretory system of ventral nerve chain of the earthworm, *Metaphire peguana* (Rosa 1890) J. Curr. Biosci. B 6, 20-25.
107. D.K. Nanda and **P. S. Chaudhuri** (1988) Effects of thermal stress on the ventral nerve cord neurosecretory system of tropical earthworm, *Metaphire peguana*. J. Curr. Biosci. 5, 67-71.
108. **P. S. Chaudhuri** and D.K. Nanda (1985) Effects of salt water submergence on the ventral nerve cord-neurosecretory system of earthworm, *Metaphire peguana*. Proc. 1st Nat. Symp. Comp. End. Inver. pp. 1-4.

109. D.K. Nanda, **P. S. Chaudhuri** and A.K. Bej (1984) Effects of desiccation on the ventral nerve cord-neurosecretory system of tropical earthworm, *Metaphire peguana*. Proc. Indian Acad. Sci. (Anim. Sci.) 93, 43-47.
110. D.K. Nanda and **P. S. Chaudhuri** (1983) Regeneration of the neurosecretory system of the nerve ring earthworm *Metaphire peguana*. Acta Biologica Cracoviensia 25, 63-67.
111. D.K. Nanda, L.K. Bhaumik and **P. S. Chaudhuri** (1984) Histological study of neurosecretion in the larval brain of *Anomis sabulifera*. J. Zool. Soc. India 36, 107-116.
112. **P. S. Chaudhuri** and D.K. Nanda (1982) The effects of starvation on the ventral nerve cord neurosecretory system of earthworm. *Metaphire peguana*. Acta Biologica Cracoviensia 26, 51-55.
113. D. K. Nanda and **P. S. Chaudhuri** (1982) The effect of cephalic trans-section on the micromorphological changes in the ventral nerve cord-neurosecretory system of earthworm, *Metaphire peguana* during anterior regeneration. Proc. Indian Acad. Sci. (Anim. Sci.) 91, 381-389.
114. D. K. Nanda and **P. S. Chaudhuri** (1982) Studies on the cytomorphology of the ventral nerve cord of the earthworm, *Pheretima posthuma* with special reference of neurosecretion. J. Zool. Soc. India, 34, 36-45.

SEMINAR/CONFERENCE/WORKSHOP/REFRESHER/ORIENTATIONS ETC. PARTICIPATED:

A. PAPERS PRESENTED ABROAD:

- Participated and acted as the moderator and Keynote speaker at the 10th International Conference on Agriculture & Horticulture during 2-4 October 2017 in London, UK.
- Participated as Invited Speaker in the Organic Farming Congress on 3rd October 2017 in London, UK.
- Presented paper (Invited talk) at the second International Symposium on Biological and Agricultural Sciences, Shanghai, China, 22nd -26th July 2016
- Presented paper at the 7th International Symposium on Earthworm Ecology, Cardiff, Wales, 2002
- Presented paper at the 6th International Symposium on Earthworm Ecology, Vigo, Spain, 1998
- Presented paper in the 4th International Symposium on Earthworm Ecology, Avignon, France, 1990

B. PAPERS PRESENTED IN INDIA:

- Presented Keynote speech at the International Conference on Water, Energy, and Biodiversity for Sustainable Development (December 12-14, 2020) organized by the Institution of Engineers (India), Agartala, Tripura.

- Participated in the INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN ANIMAL SCIENCES (ICRAAS-2019,6th-8th November) and delivered a plenary lecture and also served as Chairperson in the conference held at PACHUNGA UNIVERSITY COLLEGE, AIZAWL.
- Participated as a speaker in the International Conference (INTZOOCONF 2018) in Zoology, Calcutta University during 1st - 3rd February 2018.
- Delivered Lead Lecture at the 3rd International Conference on Bioresource and Stress Management (8-11th November 2017), at Jaipur, Rajasthan.
- Participated (as Chairperson in a session, oral presentation) in the International Conference on Waste Management (Recycle, April 1 & 2, 2016) by the Department of Civil Engineering, IIT (Guwahati), Assam.
- Symposium on Integrative Physiology & Comparative Endocrinology along with Brain-Storming session on Geno-Eco-Neuro-endocrinology (Invited Lecture), Department of Zoology, BHU, Varanasi (12th -14th February) 2016.
- National Seminar on Natural Resources, Diversity and Sustainable Development, North Bengal University (11-12 December, 2015) (Lead Lecture).
- Tropical Ecology Congress 10-12 December, 2014, School of Environmental Science, JNU, New Delhi.
- National Seminar on “Water & Biodiversity”, (2013), Department of Botany, Tripura University.
- International Conference on Global Ecosystem, Biodiversity & Environmental Sustainability in the 21st Century, 2012.
- National Seminar on Fauna Diversity and Ecophysiology, (2012), Department of Zoology, North Eastern Hill University, Shillong, Meghalaya.
- The Third National Symposium on Earthworm Ecology and Environment (2012), Department of Zoology, Tripura University.
- Tripura Science Congress (2011), Tripura State Council for Science & Technology, Govt. of Tripura.
- UGC sponsored National Level Seminar on “Recent Trends in Zoology”. Netaji Nagar College for Women & Surendranath College, Kolkata, 2011.
- National Seminar on Scope & Recent Development of Natural Product (2010), Iswar Chandra Vidyasagar College, Belonia, South Tripura.
- National Seminar IGNOU, 2009.
- XX Annual conference, the Physiological Society of India, 2008.
- 1st National Symposium on Earthworm Ecology, Bareilly, 2007.

- 18th All India Congress of Zoology, Lucknow, 2007.
- National symposium in the Department of Chemistry, Tripura University, 2004.
- Indian Society of Soil Biology & Ecology, Bangalore, 2001.
- 3rd IFOAM - ASIA conference, Bangalore, 1997.

MEMBERSHIP/POSITIONS IN LEARNED ACADEMIC BODIES/ORGANIZATIONS:

- National Symposium on Zoological Research in Relation to Man and Environment, Zoological Society, Calcutta University.
- Life member, Zoological Society, Kolkata.
- Life Member, Indian Society of Soil Biology & Ecology, Bangalore.
- Member, International Society for Tropical Ecology, BHU, Varanasi.
- Life Member, National Environmentalists Association.
- Member, Tripura Biodiversity Board.
- Executive member, Tripura Biotechnology Council.
- Life Member, Society of Applied Sciences, India.
- Life member, Society for Earthworm Ecology and Environmental Research (SEEER).

RESEARCH SUPERVISIONS

- 12 students awarded Ph.D.

SCHOLARSHIP/AWARD/RECOGNITIONS:

- Received Faculty Research Awards with medals for contribution in earthworm research and recipient of various awards during 2015 to 2020.
- Fellow of the National Institute of Ecology 2021, India.
- Lifetime Achievement Award (International Scientist Award on Engineering, Science and Medicine, 14-15 Sept 2019. VD Good Professional Association, Chennai, India).
- Editorial Board Member of UGC recommended Journal " Journal of Environmental Biology"(IF o.67).
- Received National Award " ENVIRONMENTAL BIOLOGIST OF THE YEAR 2017" on 5th June,17 The World Environment Day at World Clean Environment Congress (5th-6th June, 2017, Venue: India International Center, Lodhi Rd., N. Delhi) organized by Confederation of Indian Universities, Indian Indian Institute of Ecology & Environment, N. Delhi & Scientific and Environmental Research Institute, Kolkata.

- Received BHARAT SIKSHA RATAN AWARD 2016 on the 5th of October 2016, World Teachers Day in the Science City auditorium, Kolkata, in the presence of national and international dignitaries.
- Fellow of the Zoological Society, (FZS) Kolkata.
- Subject of Biographical record in Marque's who's who in Science & Engineering (2006- 2007).
- Fellow, Society of Applied Sciences, India.
- Received SEEER award "Certificate of appreciation" in recognition of an Earthworm Biologist from The Society of Earthworm Ecology and Environmental Research, India, 2012.
- "SCIENCE EXCELLENCE AWARD 2015" in the field of Zoology, Foundation for Science and Environment, Kolkata & North Bengal University, WB. Selected as the "INSPIRED TEACHER OF TRIPURA UNIVERSITY".
- Selected as the" Inspiring Teacher of Tripura University" (2013).

OTHER INFORMATION (IF ANY):

Convener and Organizer, The Third National Symposium on Earthworm Ecology and Environment, 9-11 Nov, 2012.