

CURRICULUM VITAE

Animesh Dey, Ph. D

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<https://scholar.google.com/citations?user=KOItaAMAAAAJ&hl=en>

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PERMANENT ADDRESS:

Sankar Chowmuhani, Ramnagar Road No. 4, Agartala – 799002, West Tripura India

ACADEMIC PROFILE:

Teaching Experience	:	06 Years
Research Experience	:	13 Years
ResearchGate citations	:	287
	:	h – index, 09
	:	Research Interest Score, 252.6
Google Scholar citations	:	309
	:	h – index, 09
	:	i10 – index, 09
Scopus Citations	:	120
	:	h – index, 05
Scopus ID	:	55596492600
Orcid ID	:	0009-0006-3401-4074
WoS Researcher ID	:	KBC – 9023-2024
Vidwan ID	:	493753
Domain of Interest	:	Ecology, Biodiversity, Animal Physiology, Biostatistics, Genetics, Tools & Techniques, Ethology, Animal Taxonomy

RESEARCH INTEREST:

- Exploration and assessment of Animal Biodiversity
- Sampling Techniques, their uses and optimization of sampling size

- Community Ecology
- Impact of agro-ecosystems on under and over-ground community structure
- Impact of Land-use types on biodiversity and community structure
- In-situ and Ex-situ earthworm technology

EDUCATIONAL DEGREES:

Ph. D	Department of Zoology, Tripura University (A Central University), Suryamaninagar. Thesis: Ecological Studies on Earthworms of Pineapple (<i>Ananus Comosus</i>) Plantation with Special Reference to Their Community Characteristics (2014)
M. Sc.	Department of Zoology, Tripura University (A Central University), Suryamaninagar; Gold Medallist (2006).
B. Sc.	Department of Zoology, Maharaja Bir Bikram College, Agartala, Tripura (West); Gold Medallist (2004)
H.S. (+2)	Umakanta Academy, Agartala, Tripura (2001)
Secondary	Umakanta Academy, Agartala, Tripura (1999)

PRESENT POSITION:

Assistant Professor Department of Zoology, Faculty of Science, Tripura University (A Central University), Suryamaninagar-799022, India (February 2024-)

PROFESSIONAL EXPERIENCE:

Assistant Professor Department of Zoology, Ramkrishna Mahavidyalaya, Kailashahar, Unakoti Tripura, India; Directorate of Higher Education, Government of Tripura (December 2022 – February 2024).

Assistant Professor Department of Zoology, Holy Cross College (NAAC Grade A+), Jubatara, West Tripura, India (July 2019 – November 2022).

EXPERIENCE IN RESEARCH:

Research in MBB College: Served as Junior Research Fellow in the Earthworm Research Laboratory, Maharaja Bir Bikram College, Agartala under DST, New Delhi

Research in MBB College: Worked as Research Fellow in the Institutional Level Biotech Hub, Maharaja Bir Bikram College, Agartala under DBT, New Delhi

Research in Tripura University: Actively involved in Post-Doctoral Research in the Earthworm Research Laboratory, Tripura University (A Central University)

TRAINING:

Faculty Development Programme: Completed One Week Offline Faculty Development Programme on “Holistic and Multidisciplinary Education” under Malaviya Mission Teacher Training Centre (MMTTC) of University Grants Commission (UGC) organized by MMTTC Tripura University (A Central University) (16th March, 2026 – 21st March, 2026).

Karmayogi Jan Seva Program: Completed 1 day “Rastriya Karmayogi Large Scale Jan Seva Program” provided by the Capacity Building Commission, Department of Personnel & Training, Govt of India, with knowledge partner, Illumine Knowledge Resources (01 September, 2025).

Faculty Induction Programme: Completed Four Weeks Online Faculty Induction Programme “Guru-Dakshata” under Malaviya Mission Teacher Training Centre (MMTTC) of University Grants Commission (UGC) organized by MMTTC Tripura University (A Central University) (November 2024 – December 2024)

MEMBER OF PROFESSIONAL/ TECHNICAL COMMITTEES:

Member of Expert Committee on Animal Resource Development and Fishery, Tripura Biodiversity Board, Forest Department, Government of Tripura

PUBLICATION HIGHLIGHTS:

Book Authored:

1. **Dr. Animesh Dey** (2025) *Ecology of Earthworms in Tropical Agroecosystems: Insights from Pineapple Plantations of Tripura, North-East India*. First Edition; ISBN: 978-81-991363-1-1 (BP International)
2. **Dr. Animesh Dey** (2023) *Earthworms of the Pineapple Agro-Ecosystems of Tripura*. First Edition; ISBN: 978-93-5747-141-1 (IIP Iterative International Publishers)

Book chapters:

1. **Dey A, Das L, Shil S** (2026) Morphometric and Machine Learning-Based Classification of Vertebrate Blood Using Hemin Crystal Geometry. In: *Emerging Trends in Medical Research and Practice*, Volume: 01 (Ed. Anieche JE), ZenToks Publication, India, pp. 8-17. ISBN: 978-81-986895-9-7
2. **Dey A, Debbarma N, Bodo D, Chaudhuri PS** (2026) Neurosecretory Responses of Native, Endogeic Earthworm *Metaphire posthuma* (Vaillant, 1868) to Sub-acute Hyperthermic and Hypothermic Stress. In: *Applied Healthcare Science*, Volume: 01 (Ed. Kaur A), ZenToks Publication, India, pp. 94-101. ISBN: 978-81-958975-0-6

3. **Dey A** (2025) An Optimised Method to Obtain Total RNA from Juvenile Earthworm (*Perionyx excavatus*) Tissue. In: *Advances in Animal Sciences*, Volume: 01 (Eds. Patil SJ, Tamizhazhagan V, Alejos MS, Mohan Kumar BS), Cornous Publications LLP, Puducherry, India, pp. 48-54. **ISBN: 978-81-973154-5-9**
4. **Dey A, Chaudhuri PS** (2024) Impact of Rubber Leaf Litter Vermicompost on Earthworm Population and Pineapple (*Ananas comosus*) Productivity in West Tripura, India. In: *Research Advances and Challenges in Agricultural Sciences*, Volume: 09 (Ed. Muhammad Shehzad), BP International, London, UK, pp 01-19. **ISBN: 978-81-973514-5-7**
5. **Dey A, Chaudhuri PS** (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. **ISBN: 978-93-5056-360-1**

Journal Publications:

1. **Dey A, Das D** (2025) Odonata diversity as a bioindicator of habitat quality in an urban landscape: Insights from Tripura University Campus, Northeast India. *Acta Entomology and Zoology*, **6(2)**, 157 – 165.
2. Narayanan SP, Paliwal R, Kurien VT, Nath S, **Dey A**, Nandy S, Kar P, Goldar S, Thomas AP, Julka JM (2025) Description of two new *Kanchuria* Julka, 1988 (Clitellata: Megascolecidae) species of earthworms from Tripura State, North-eastern India. *ZOOTAXA*, **5647(2)**, 101-116.
3. Chaudhuri PS, **Dey A** (2025) Copulatory behaviour, copulation process and cocoon biology in Earthworms –A review. *Journal of Environmental. Biology*, **46(2)**, 153-166
4. Chaudhuri PS, Paul TK, **Dey A**, Dutta M, Dey SK (2016) Effects of rubber leaf litter vermicompost on earthworm population and yield of pineapple (*Ananas comosus*) in West Tripura, India, *International Journal of Recycling of Organic Waste in Agriculture* **5(2)**, 93-103 (Springer).
5. **Dey A, Chaudhuri PS** (2016) Species Richness, Community Organization, and Spatiotemporal Distribution of Earthworms in the Pineapple Agro-ecosystems of Tripura, India, *International Journal of Ecology* (Hindawi), Volume 2016, Article ID 3190182, 19 pages, <http://dx.doi.org/10.1155/2016/3190182>
6. **Dey A, Chaudhuri PS** (2014) Earthworm community structure of pineapple (*Ananas comosus*) plantations under monoculture and mixed culture in West Tripura, India *Tropical Ecology* **55(1)**, 1-17.
7. Bhattacharjee S, **Dey A, Chaudhuri PS** (2014) Growth and reproduction of *Pontoscolex corethrurus* in the mineral soils of different age groups of rubber (*Hevea brasiliensis*) plantations under laboratory conditions. *Annals of Biological Research* **5(7)** 1 – 9.
8. Chaudhuri PS, **Dey A** (2013) Earthworm communities in the Pineapple (*Ananas comosus*) and Mixed Fruit Plantations of West Tripura, India. *Proceedings of Zoological Society* **66(2)**, 105-118.
9. Chaudhuri PS, Bhattacharjee S, **Dey A**, Chattopadhyay S, Bhattacharjee D (2013) Impact of age of rubber (*Hevea brasiliensis*) plantation on earthworm communities of West Tripura (India). *Journal of Environmental Biology* **34**, 59-65.

10. **Dey A**, Chaudhuri PS (2013a) Quantifying earthworm species richness in the pineapple and mixed fruit plantations of West Tripura, India. *European Journal of Soil Biology* **59**, 31-35.
11. **Dey A**, Chaudhuri PS (2013b) Ecological studies on earthworm communities of pineapple (*Ananas comosus*) plantations in west Tripura (India). *International Journal of Advanced Bioscience* **1(2)**, 17-23.
12. **Dey A**, Debnath S, Debbarma B, Chaudhuri PS (2013c) A preliminary study on spider diversity from a house hold garden (artificial mixed plantation) in West Tripura, India. *Journal of Research in Biology* **3(5)**, 1009-1017.
13. **Dey A**, Deb D, Das Chaudhuri S, Chaudhuri PS (2013d) A preliminary study on avifaunal species diversity of Maharaja Bir Bikram college Campus, Tripura, north east India. *International Multidisciplinary Research Journal* **3(2)**, 36-43.
14. **Dey A**, Nath S, Chaudhuri PS (2012) Impact of monoculture (rubber and pineapple) practice on the community characteristics of earthworms in West Tripura (India). *NeBIO* **3(1)**, 53-58.
15. Chaudhuri PS, **Dey A**, Bhattacharjee G, Nath S (2012) Earthworm diversity in Tripura – Present status. *Science & Culture* **78(7-8)**, 343-346.
16. **Dey A**, Chaudhuri PS (2012a) Community characteristics of earthworms in different age groups of pineapple plantations (*Ananus comosus*) in West Tripura, India. *Asian and Australasian Journal of Plant Science and Biotechnology* **6 (1)**, 67-75.
17. **Dey A**, Chaudhuri PS (2012b) Community analysis of Earthworms in two different age groups of Pineapple plantation in West Tripura, India. *NeBIO* **3(3)**, 54-60.

Conference Proceedings:

1. **Dey A**, Chaudhuri PS (2014) Application of species accumulation curves, 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* (Eds. PS Chaudhuri, SM Singh), Discovery Publishing House Pvt. Ltd., New Delhi. pp. 108-124. ISBN: 978-93-5056-509-4

RESOURCE PERSON/ INVITED TALK:

1. As Resource Person in the **Three Day's (26–28 November, 2025) Workshop on “Career Landscape in Life Sciences”** organized by Department of Zoology and Biotech Club, Holy Cross College (NAAC A+), Agartala, West Tripura.
2. As Resource Person in the Seminar on the Celebration of **International Day for Biological Diversity 2025** Organised by Tripura Biodiversity Board (TBB) (May 22, 2025).
3. As Resource Person in the **Three Day's (27–29 November, 2024) Workshop on “Wings of Inquiry: A Beginner's Guide to Butterfly Research Methodology”** organized by Department of Zoology, IQAC, Biotech Club, Holy Cross College (NAAC A+); Sponsored By: Directorate of Biotechnology, Govt. of Tripura.

4. As Resource Person in the Celebration of **International Day of Biodiversity 2024** Organized by The Internal Quality Assurance Cell (IQAC) in Collaboration with Research & Development Cell, Women's College, Agartala; Sponsored By: Tripura Biodiversity Board (TBB) (November 8, 2024).
5. As Resource Person in **A Two-Day Workshop on 'Collection, Analysis & Interpretation of Biological Data'**; Organized by Institutional Level Biotech Hub, Women's College, In Collaboration with Institutional Level Biotech Hub, Maharaja Bir Bikram College, Agartala (March 23-24, 2017).

SEMINAR AND SYMPOSIUM:

1. International Conference on "Animal Biology: Challenges and Opportunities (ICAB 2026), **Department of Zoology, Banaras Hindu University, Banaras, UP and The Zoological Society, Kolkata, WB (2026).**
2. 7th International Conference on "Advances in Agriculture Technology and Allied Sciences (ICAATAS 2024)", **Society of Agriculture Research & Social Development (New Delhi), School of Agriculture & Allied Science, Neotia University, WB and Southern Federal University, Rostov-on-Don, Russia (2024).**
3. International Conference on "Climate Change and Environmental Sustainability in Mountainous and Hilly Landscapes", **Assam University (Silchar), Bharat Vikas Parishad (North East) & NIHE, Kosi-Katarmal, India (2024).**
4. National Conference on "Higher Education and Research: Towards a Transformative and Sustainable Society", **Tripura University (A Central University), Suryamaninagar, Tripura, India (2023).**
5. Workshop on "Indigenous Knowledge System and Practices of Tribal Communities of Tripura", **Holy Cross College, Agartala (2021).**
6. Fourth Student's Project Programme, **Tripura State Council for Science & Technology (2021).**
7. 3rd International Conference on "BIORESOURCE & STRESS MANAGEMENT", **SBSM – ICAR, Jaipur, Rajasthan (2017).**
8. A Two-Day Workshop on "Collection, Analysis & Interpretation of Biological Data", **IBT Hub, Women's College (2017).**
9. Workshop on "Capacity building in grant writing skills and effective management of Intellectual Property Rights (IPR)", **Biotech Consortium India Limited (BCIL), New Delhi (2017).**
10. Second Student's Project Programme on "Challenges of Climate Change", **Tripura State Council for Science & Technology (2017).**
11. Workshop on Applied Chemical Zoology, **Department of Zoology, Tripura University (2015).**
12. National Seminar on "Biodiversity for Sustainable Development", **Department of Botany, Tripura University (2015).**
13. Workshop on Fundamental Tools and Techniques in Bioinformatics, **Bioinformatics Centre, Tripura University (2014).**

14. Workshop on Cell and Molecular Biology, **State Biotech Hub, Tripura University (2014)**.
15. 10th National Symposium on Soil Biology and Ecology, **GKVK, Bangalore (2013)**.
16. Workshop on Application of Statistics in Life Sciences, **The Zoological Society, Kolkata, IAPQR and University of Calcutta (2013)**.
17. National Seminar on Water and Biodiversity, **Tripura University (2013)**.
18. Workshop on Enhancing Institutional Innovation with Intellectual Property Rights, **Tripura University (2013)**.
19. Third National Symposium on Earthworm Ecology and Environment (NSEEE 3), **Tripura University (2012)**.
20. Symposium on Integrated Approach for Teaching and Research in Life Sciences, **Tripura University (2012)**.
21. International Conference on Global Ecosystems, Biodiversity and Environmental Sustainability in the 21st Century, **Assam University, Silchar (2012)**.
22. National Seminar on Faunal Diversity and Eco-Physiology, **NEHU, Shillong (2012)**.
23. Tripura Science Congress (**2011**).
24. International Workshop on Biodiversity and Climate Change, **IIT Kharagpur (2010)**.
25. II National Symposium on Earthworm Ecology and Environment & IX National Symposium on Soil Biology and Ecology, **Visva Bharati University (2009)**.
26. Workshop on Capacity Building in Rural Development, **Tripura University (2005)**.
27. 12th National Children's Science Congress (**2004**).

KEY RESPONSIBILITIES HANDLED:

1. Member of Expert Committee on Animal Resource Development Department and Fishery Department, by Tripura Biodiversity Board.

PERSONAL:

<i>Date of Birth:</i>	06 th September, 1983
<i>Place of Birth:</i>	Agartala, Tripura, India
<i>Languages Known:</i>	English, Hindi, and Bengali

Date: The 12th May, 2026

Place: Suryamaninagar, West Tripura