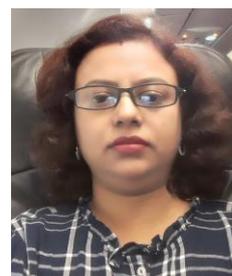


## FACULTY PROFILE



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1. PROFESSION OF THE APPLICANT: ASSOCIATE PROFESSOR  
DEPARTMENT OF ZOOLOGY  
BEJOY NARAYAN MAHAVIDYALAYA
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### 7. ACADEMIC QUALIFICATIONS:

EXAMINATION/DEGREE	YEAR	INSTITUTION
M.Sc. (Zoology) Special Paper- Molecular Biology and Genetics	2004	The University of Burdwan
Ph.D.	2018	The University of Burdwan
Qualified <b>NET LS</b> (LIFE SCIENCES) (2003 December, 2004 December) Qualified <b>SLET</b> conducted by WBCSC (February 2005) Qualified <b>GATE</b> (February 2005)		

### 8. TEACHEING AND RESEARCH EXPERIENCES:

**JULY 2008 – TILL DATE:** Associate Professor in Zoology at Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly.

**PH.D THESIS AWARDED** – 11.04.2018. **THESIS TITLE:** “Studies on Ecology of *Culex tritaeniorhynchus* Giles (Diptera: Culicidae) and its control by Bacterial Insecticides.”

**RESEARCH FIELD** – Ecology and Microbiology

### 9. SUPERVISED UG STUDENT PROJECTS

#### A. COLLEGE GRANT

1. “Freshwater pond snail diversity of Khanyan, Hooghly as a model geographic area”.

2013–14.

2. "Ricefield vector mosquito diversity of Khanyan, Hooghly as a model geographic area." 2014–15.

3. "Butterfly diversity and their abundance of Baidyabati Khal of Hooghly district as a model geographic area." 2015–16.

4. Assessment of Solid wastes in Different areas of Khanyan, Hooghly, West Bengal. 2016 – 17.

5. "Study of Odonata population Diversity of Khanyan, Hooghly, as a model geographic area". 2017–18.

6. Butterfly Diversity and their Abundance of Khanyan and Chinsurah Rice Research Station of Hooghly District as a model Geographic area. 2018 – 19.

## **B. EXTRAMURAL RESEARCH GRANT:**

### **COMPLETED PROJECT:**

One Minor Research Project, entitled: "**Studies on ecology of *Culex vishnui* complex of Burdwan district of W.B, India.**" Under UGC, and got financial assistance of 1.66 lac. Sanction No. F. PSW- 009/10-11 (ERO) dt 20/10/2010. Duration 2011 – 2013.

## **10. TRAININGS UNDERTAKEN**

I. Training on "Identification of vector mosquitoes of medical importance", from 9th Nov. - 13th Nov. 2009, conducted by National Centre for Disease Control, Delhi, India.

II. Training on "Plasmid DNA isolation, electrophoretic separation of DNA and protein, PCR technique, phase-contrast microscopy and some modern microbiological techniques", from 8th June- 12th June 2009, conducted by Dr. T. K. Dangar, Principal Scientist, Microbiology Laboratory, Crop Production Division, Central Rice Research Institute, Cuttack, Orissa, India.

III. Participated in National Level Meet "Butterfly India Meet 2019" held at Buxa Tiger Reserve, Buxa, West Bengal during 6<sup>th</sup> – 11<sup>th</sup> April, **2019**. Organized by Nature Mates – Nature Club in Association with Diversity India, Titli Trust and Indian Foundation for Butterflies.

IV. Participated in "Methodology and its Application for Undergraduate Course in Zoology Honours Under CBCS" during 18<sup>th</sup> – 19<sup>th</sup> January **2019**. Organized by PG Department of Zoology, Hooghly Mohsin College, Sponsored by Department of Higher education, Government of West Bengal.

## **11. WORKSHOPS /SYMPOSIA/ SEMINARS ATTENDED AND PAPER PRESENTATED**

I. Participated in the Seminar "Biological Thoughts: Micro to the Macro" held on 9<sup>th</sup> February, **2010** in the Department of Zoology, University of Calcutta. Organized by Department of Zoology, University of Calcutta and The Zoological Society, Kolkata.

II. Participated in Two–Day International Seminar on "Global warming" Organized by Department of Zoology, Burdwan of Raj College from 23<sup>rd</sup> to 24<sup>th</sup> November, **2011**.

III. Participated in One–Day seminar on "Aquaculture and Probiotics" held on 7<sup>th</sup> December, **2011**. Organized by Department of Zoology, The University of Burdwan, Burdwan.

IV. Attended the Workshop on "Application of Statistics in Life Science" from 25<sup>th</sup> to 27<sup>th</sup> September, **2013** in University of Calcutta. Organized by The Zoological Society,

Kolkata, Department of Zoology, University of Calcutta and Indian Association for Productivity, Quality and reliability (IAPQR).

- V. Presented Poster in “21<sup>st</sup> State Science and Tecnological Congress during 20<sup>th</sup> -21<sup>st</sup> February **2014**. Organized by The University of Burdwan and State Science and Technology Department, W.B. Paper entitled: “Rice fields as congenial larval breeding habitat of *Culex quinquefasciatus* in West Bengal, India: Implications for mosquito breeding and management”.
- VI. Presented paper in the “International Symposium on Genetic Analysis: Translational and Developmental and Annual Meeting of Society for Biotechnologists (India), held at Department of Zoology, The University of Burdwan 21<sup>st</sup> – 23<sup>rd</sup> November, **2014**. Organized by Department of Zoology, The University of Burdwan, Burdwan.
- VII. Paper presented in an International Conference “India Biodiversity Meet -2015” held at Indian Statistical Institute, Kolkata from 16<sup>th</sup> – 18<sup>th</sup> November, **2015**. Organized by Agricultural and Ecological Research Unit, Indian Statistical Institute, Kolkata in Association with Biomathematical Society of India.
- VIII. Presented paper in the “23<sup>rd</sup> West Bengal State Science and Technology Congress, 2016 held during 28<sup>th</sup> – 29<sup>th</sup> February, **2016**. Poster titled “Butterfly diversity of Magra region of Hooghly District, West Bengal” was presented.
- IX. Presented paper in National level Seminar on “Current Research in Biological and Biomedical Sciences” on 9<sup>th</sup> February **2016** at University of Gour Banga University, Malda. Organized by Department of Zoology, University of Gour Banga, Malda. Paper entitled: Poison in our Kitchen: Fruits and Vegetable Adulterations in India.
- X. Presented paper in UGC sponsored Two-Day National level Seminar on “Sustainable Development: Economics, Ethics and Environment” during 26<sup>th</sup> – 27<sup>th</sup> February, **2016** at Sree Gopal Banerjee College. Organized by Sree Gopal Banerjee College, Bagati, Magra, Hooghly in Collaboration with Balagarh B.K. Mahavidyalaya, Balagarh, Hooghly. Paper entitled: Biomedical wastes and its Managemeny: Indian Scenario.
- XI. Presented paper in an International “Science Seminar” held at Burdwan Raj College on 10<sup>th</sup> October, **2017**. Organized by Burdwan Raj College, Burdwan and Indian Chemical Society, Kolkata.
- XII. Paper presented in “2<sup>nd</sup> Regional Science and Technology Congress (western region), 2017” held during 16<sup>th</sup> – 17<sup>th</sup> November, **2017** at The University of Burdwan. Organized by The University of Burdwan and Department of Higher Education, Science and Technology and Biotechnology, Government of West Bengal (DHEESTBT). Oral presentation on “Rice field mosquitoes of Khanyan, Hooghly region as a geographic model area.
- XIII. Presented paper in an “International Science Seminar on “Science: Past, Present & Future on 12<sup>th</sup> December, **2017** at Syamsundar College. Organized by Syamsundar College and Indian Chemical Society. Paper entitled: Dragonflies and Damselies (Odonata) of South Bengal: A Review.
- XIV. Attended Workshop on “Skills and Techniques of Taxidermy” held at Zoological Survey of India, Kolkata from 8<sup>th</sup> & 9<sup>th</sup> September, **2017**. Organized by Zoological Survey of India, Ministry of Environment, Forest & Climate Change, Government of India.
- XV. Presented paper in UGC sponsored Two-Day National level Seminar during 5<sup>th</sup> – 6<sup>th</sup> January, **2017** at Sonamukhi College. Organized by Sonamukhi College,

Sonamukhi in Association with Bankura Sammilani College, Bankura. Paper entitled: Faunal diversity of the Coastal areas of Talsari, Odhisha with special emphasis on fish and few aquatic organisms.

- XVI. Presented paper in UGC – CPE sponsored International Conference on “Facets of Basic Sciences and Applications” (FBSA) during 5<sup>th</sup> – 7<sup>th</sup> February **2018** at Bijoy Krishna Girls’ College, Howrah. Organized by Bijoy Krishna Girls’ College, Howrah. Paper entitled: “Dragonflies and Damselflies (Odonata) of Khanyan area of Hooghly District”.
- XVII. Presented paper in ZOOSPECTRA 2022, International Conference organized by Department of Zoology, University of Calcutta during 5<sup>th</sup> – 6<sup>th</sup> December **2022** at Ramkrishna Mission Institute of Culture, Golpark, Kolkata. Paper entitled: “Species diversity and pupal productivity in mosquito larval habitats: Implications on size and density relationship”.

## 12. LIST OF RESEARCH PUBLICATIONS (As of April 2024)

(All the following publications are available online)

- I. Chatterjee SN, Das D, **Roy M**, Banerjee S, Dey P, Bhattacharya T, Chandra G. 2007. Bacteriological examination of drinking water in Burdwan, India with reference to coliforms. African journal of Biotechnology, 6(22): 2601- 2602. [ISSN number: 1684 – 5315].
- II. **Roy M**, Chatterjee SN, Roy P, Dangar TK. 2010. Significance of the midgut bacterium *Pseudomonas fluorescens* on *Culex vishnui* (Culicidae: Diptera) larval development. International Journal of Tropical Insect Science, 30(4): 182 – 185. DOI: 10.1017/s1742758410000366
- III. **Roy M**, Pramanik S, Chatterjee S, Aditya G. 2016. Observations on the pupal productivity of *Culex tritaeniorhynchus* in rice fields of West Bengal, India: Implications for vector management. Fragmenta Entomologica, 48 (1): 69 – 76. DOI: 10.4081/fe.2016.162.
- IV. **Roy M**, Pramanik S, Chatterjee S, Aditya G. 2016. Productivity of *Culex tritaeniorhynchus* in rice fields of West Bengal, India: correlates of immature and adult features. Vector Biology Journal, 1(3). DOI: 10.4172/2473-4810.1000111
- V. **Roy M**, Kundu M, Chatterjee S, Aditya G. 2019. Distribution of mosquito larvae in rice field habitats: a spatial scale analysis in semi field condition. European Journal of Ecology, 5(1): 38 – 48. DOI: 10.2478/eje-2019-0006
- VI. **Roy M**, Chatterjee SN, Dangar TK. 2021. Characterization of mosquitocidal potency of a *Bacillus thuringiensis* strain of rice field soil of Burdwan, West Bengal, India. Microbial pathogenesis, 158. DOI: <https://doi.org/10.1016/j.micpath.2021.105093>
- VII. **Roy M**. 2022. Comparison of Butterfly diversity of Khanyan and Chinsurah rice research station as a measure of habitat destruction. International Journal of Entomology Research, 7(1): 106-110. <https://www.entomologyjournals.com/search?keyword=7-1-23>
- VIII. **Roy M**. 2022. Assessment of solid wastes in different areas of Khanyan, Hooghly, West Bengal, India. Pollution Research, 41(2): 727-734. DOI No.: <http://doi.org/10.53550/PR.2022.v41i02.046>

## 13. BOOK CHAPTER PUBLISHED

- I. Bose S, Pal S, **Roy M**. 2016. Butterfly checklist of Baidyabati Khal – A suburban area of Hooghly District. In “Sustainable Development: Economics, Ethics and Environment”. Kundu K, Paul U (ed.). Rohini Nandan Udyog, Kolkata. pp 356 – 362.

## 14. LIFE MEMBERSHIP

- ZOOLOGICAL ASSOCIATION OF BURDWAN
- SOCIETY FOR BIOTECHNOLOGISTS (INDIA)



Milita Roy

15.04.2024

DR. MILITA ROY, ASSOCIATE PROFESSOR, DEPARTMENT OF ZOOLOGY, BEJOY NARAYAN  
MAHAVIDYALAYA, ITACHUNA, HOOGHLY, WEST BENGAL, INDIA. PIN- 712147.