

## FACULTY MEMBER ACADEMIC PROFILE



1. **Name of the Faculty member:** Dr. IVY KUNDU

2. **Designation:** Assistant Professor in Zoology (W.B.E.S.)

3. **Qualification:** M.Sc. (C.U.), B.Ed. (C.U.), Ph.D. (K.U.)

4. **Specialization:** Endocrinology, Parasitology & Immunology

5. **E-mail address:** ivy\_kundu@rediffmail.com

6. **Date of Joining in W.B.E.S.:** 25.11.2006

7. **Date of Joining in this College:** 01.11.2019

8. **Total Teaching experience in College level:** 12+ years.

9. **Colleges served**

Bidhannagar College- 25.11.2006 to 14.11.2011

Krishnagar Government College- 15.11.2011-31.10.2019

Barasat Government College-1.11.2019- till now

10. **Research interests:** Parasitology and Immunology

11. **Research Projects Completed- 01.** WBDST project 2016-2018 titled ' Studies on isolation , identification of helminth parasites with reference to their on pathophysiology of jeol fishes and control by use of phytochemicals'.

12. **List of publications:**

A) **Published papers in Journals:**

1. “Effects of Thiamethoxam on Liver Protein of Oreochromis niloticus (Trewavas)”, S. Nath, S.

Bose and **I. Kundu**, *Proceedings of the Zoological Society*, **2012**, 65(2), 118-120 [[ISSN 0373-5893](#)].

2. “Prevalence of helminth parasites infecting *Channa punctatus* Bloch, 1793 from Nadia district of West Bengal”, **I. Kundu**, P.K. Bandyopadhyay and D.R. Mandal, *IOSR-JAVS*, August, **2015**, 8(I), 41-46 [[ISSN 2319-2372](#)]

3. “Study of Pathophysiological Effects of the Nematode Parasite *Eustrongylides* sp. on Freshwater Fish *Channa punctatus* by Hematology, Serum Biochemical, and Histological Studies”, **I. Kundu**, P.K. Bandyopadhyay, D.R. Mandal and G. Gurelli, *Turkish Journal of Parasitology*, March, **2016**, 40(1), 42-47 [[e-ISSN 2146-3077](#)].S

4. Studies on seasonal prevalence, intensity and abundance of helminth parasites of live fishes. **I. Kundu**. *Uttar Pradesh Journal of Zoology*, **2019**, 39(2), 83-88.[ [ISSN: 0256-971X](#) ].

5. Description of *Pallisentis (Brevitritospinus) allahabadii* Agarwal 1958 (Acanthocephala: Quadrigyridae) from *Channa punctata* (Bloch, 1793) with Special Emphasis on Scanning Electron Microscopy. **I. Kundu**, Gürelli G. *Turkiye Parazitol Derg*, **2020**, 44(2),88-93. DOI: 10.4274/tpd.galenos.2020.6408.[e-ISSN 2146-3077].

6. In vitro control of fish helminth parasite, *Euclinostomum heterostomum* by flavonoid rich extracts of *Mangifera indica*. **I. Kundu**, Rahman, M. M., Roy, S., & Khatun, Y. *Uttar Pradesh Journal of Zoology*, **2020**, 41(8), 1-9.[ ISSN: 0256-971X].

## **B) Chapter in Books:**

“A Preliminary Survey of Biomedical Wastes Generation and Management in District Malda - A Case Study”, **I. Kundu** and D. Ray, P.Barman In ‘*Recent Advances in Animal Science Research*’, Ed.**2011**, Vol. VIA, 12-16 [ISBN 81-88094-02-9].

## **13. Membership of Learned Societies/ Editorial Boards, etc.:**

1. Life Member of Indian Science Congress
2. Life Member of Zoological Society
3. Life Member of Parasitology Society of India

## **14. Patents:** Nil

## **15.. Participation in Seminars/Symposia/Conferences/Workshops:**

### **Seminars:**

1. **Participated** in a **National Level Seminar** on ‘*Challenges in Biodiversity and Resource Management*’, organized by Department of Zoology University of Kalyani in collaboration with West Bengal Biodiversity Board on **26<sup>th</sup>- 27<sup>th</sup> February, 2013**.

2. **Presented a paper** entitled “*In vitro control of helminth parasites of edible fishes with the help of plant extract*” in the UGC-sponsored **National Conference** on ‘*Advances of Life Sciences and Radiation Biology*’ organized by Department of Zoology, University of Burdwan on **17<sup>th</sup>-18<sup>th</sup> February, 2017**.

3. **Presented a paper** entitled “*Morphometric studies of helminth parasites found in Channa punctatus Bloch, 1793 by Light and Scanning Electron Microscopy*” in UGC-SAP sponsored **National Seminar** on ‘*Effect of Climate Change on Faunal Diversity*’, organized by Department of Zoology, University of Kalyani on **27<sup>th</sup> February, 2017**.

4. **Presented a paper** entitled “*Scanning Electron Microscopy (SEM): A Suitable Technique for studying morphotaxonomy and pathophysiological effects of helminth parasites in Channa punctatus*” in TEQIP-Phase II CoE, University of Calcutta sponsored **National Seminar &**

**Workshop** on ‘*Scientific Devices, Technology Applications & Community Linkage*’, organized by TEQIP and Centre of Excellence, University of Calcutta on **18<sup>th</sup>-19<sup>th</sup> March, 2017**.

5. **Presented a paper (Poster presentation)** entitled “*Control of trematode parasite Euclinostomum sp infecting Channa punctata by flavonoid rich extracts of Mangifera indica*” in “*Biospectrum 2018, International Seminar on Biotechnology and Biological sciences*”, organized by University of Engineering and Management, Kolkata on **27<sup>th</sup>-28<sup>th</sup> July, 2018**.

6. **Participated in** one day Seminar in connection to ‘*First World DNA*’ day celebration programme organized by University of Kalyani at Kalyani on **25<sup>th</sup> April 2018**

7. **Presented a paper (Oral presentation)** entitled “*Effects of Rutin on Helminth Infected Fish, Channa punctata – Hematological, Biochemical and Immunostimulatory Study*” in “*International Seminar on Department Agriculture and Allied sciences :the Productivity ,Food Security and Ecology*”, organized by Department of Agricultural Extension Bidhan Chandra Krishi Vishwavidyalaya, Nadia , West Bengal and Krishi Sanskriti, New Delhi on **13<sup>th</sup>-14<sup>th</sup> August, 2018**.

8. **Presented a paper (Poster presentation)** entitled “*Invitro control of helminth parasites by Calotrophis gigantea*” in “*3<sup>rd</sup> Regional Science and Technology Congress (Southern Region)*”, organized by Bidhnnagar College, Govt of West Bengal and Department of Science and Technology and Biotechnology, Govt of kiWest Bengal on **18<sup>th</sup>-19<sup>th</sup> December, 2018**.

9. **Presented a paper (Poster presentation)** entitled “*Studies on parasitic nematodes (Oxyurida, Thelastomatoidea) from cockroach by light and scanning electron microscopy*” in “*Biospectrum 2019, International Seminar on Biotechnology and Biologicals sciences*”, organized by University of Engineering and Management, Kolkata on **8<sup>th</sup>-10<sup>th</sup> August, 2019**.

### **Workshops:**

1. **Participated in National Level Workshop** for College Teachers entitled ‘*Applications of Flow cytometry, Cell sorting and Imaging in Research*’ organized by Centre for Research in Nanoscience & Nanotechnology, University of Calcutta from **18<sup>th</sup>- 24<sup>th</sup> December, 2011**.

2. **Participated in a Workshop** entitled ‘*Workshop on Essentials Techniques in Cell Molecular and Field Biology*’ organized by Department of Zoology, West Bengal State University from **7<sup>th</sup> - 21<sup>st</sup> March, 2016**.

### **B) Participation in OP/RC/STC:**

1. **Participated in the UGC sponsored Refresher Course** on ‘*Environmental Studies*’, organized by the Academic Staff College, University of Calcutta from **6<sup>th</sup> - 26<sup>th</sup> March, 2013**.

2. **Participated in the UGC sponsored Refresher Course** on ‘*Biotechnology*’, organized by the UGC-HRDC, University of Calcutta from **6<sup>th</sup> - 26<sup>th</sup> November, 2017**.

3. **Participated in UGC sponsored STC** organised by UGC-HRDC, University of Calcutta from October **6<sup>th</sup> - 12<sup>th</sup>** , 2018.