

Resume

## Dr Debasish Karmakar, M.Sc., Ph.D.



### ❖ Personal Details

Sex- Male

Date of Birth: 15/09/1978

Nationality: Indian

Address:

Matrichhya Apartment, Flat – 2B; 2<sup>nd</sup> Floor  
17A Rai Bahadur Road, Chanditala, Behala  
Kolkata – 700 034. West Bengal, India

Contact Details:

Mob No: **+91 9830304095**, Email ID: **debasishk@citycollegekolkata.org**

- ❖ Current Position: Assistant Professor (Stage 1), Department of Zoology, City College, 102/1 Raja Rammohan Sarani, Kolkata-700009. (Affiliated to University of Calcutta).

### ❖ Membership details:

Life Member: Zoological Society, Kolkata

### ❖ Educational qualifications:

Course	University
B.Sc. (Subject, Hons.), 2000	ZOOLOGY
M.Sc. in Subject with (special paper: ). 2002	ZOOLOGY, (FISHERIES & AQUACULTURE)
Ph.D., Subject, Thesis topic 2012	ZOOLOGY; “Genetic Polymorphism at the Molecular Level in Response to Heavy Metals as Stress Factors in Aquatic Organisms in and around The Kolkata Metropolis”

### ❖ Technical, workshop & Academic Training :

Name of the Course/Summer School	Place	Duration	Sponsoring Agency
120 <sup>th</sup> Orientation Programme	UGC-HRDC University of Calcutta	4 Weeks (28 Days) 30 <sup>th</sup> January, 2018 to 26 <sup>th</sup> February, 2018	UGC
Refresher Course in Biological Science	UGC-HRDC University of Calcutta	3 Weeks (21 Days) 2 <sup>nd</sup> January, 2019 to 22 <sup>nd</sup> January, 2019	UGC

### ❖ Previous working experience:

Sl. No.	Post	College, University and Organisation	Department	Duration
1	Contractual Whole Time Teacher (CWTT)	Vidyasagar College 39 Sankar Ghosh Lane Kolkata – 700 006 Affiliated to University of Calcutta	ZOOLOGY	09/01/2009 (Forenoon) – 05/02/2015 (Afternoon)

❖ Area of expertise and Research Interest:

Fisheries Sciences, Ecology, Animal Behaviour, Genetic Polymorphism in Response to Various Environmental Stress Factors in Aquatic Organisms

❖ Publication:

Papers:

2012:-

1. S-allyl cysteine in combination with clotrimazole downregulates Fas induced apoptotic events in erythrocytes of mice exposed to lead; *Biochimica et Biophysica Acta (BBA)* [Elsevier]; Volume 1820, Issue 1, January 2012, Pages 9-23; <https://doi.org/10.1016/j.bbagen.2011.09.019>; Print ISSN: 0304-4165; Online ISSN: 1872-8006; Impact Factor: 4.117

2017:-

1. Food Diversity and Feeding Preference of Black Molly (*Poecilia sphenops* (Valenciennes, 1846)), A Common Ornamental Fish – A Preliminary Study; Published by Dr Tomasz Borowski, Scientific Publishing House, “DARWIN”, 22/12 Adama Mickiewicza Street, 78 – 520 Zlocieniec, Poland, ISBN 978-83-947896-2-6; 155 – 158. Published On-line 3rd May, 2017, WSN Volume 71 (2017). pp. 1 – 228; <http://www.worldscientificnews.com/>; EISSN 2392-2192

2018:-

1. A Preliminary Study on Prevalence of Parasites in Ornamental Fish, *Carassius auratus* (Gold Fish); *International Journal of Engineering, Science and Mathematics*; Vol. 7 Special Issue 4(1), April 2018, ISSN: 2320-0294; Impact Factor: 6.765; Journal Homepage: <http://www.ijmra.us>, Email: [editorijmie@gmail.com](mailto:editorijmie@gmail.com)

2. Food Diversity and Feeding Preference in Ornamental Fishes - A Comparative Study; *International Journal of Engineering, Science and Mathematics*, ISSN: 2320-0294; Impact Factor: 6.765, Vol. 7 Issue 4(2), April 2018; pp: 141- 146, <http://www.ijmra.us>, Email: [editorijmie@gmail.com](mailto:editorijmie@gmail.com)

2021:-

1. Validation of Median Lethal Concentration of Lead Chloride in Banded Gourami, *Trichogaster (Colisa) Fasciata*, By Acute Toxicity Bioassay; *Uttar Pradesh Journal of Zoology*; Impact Factor: 2.394; 42(15): 131-136, 2021; ISSN: 0256-971X (P); Website: [www.upzs.in](http://www.upzs.in)

2022:-

1. Acute Toxicity Bioassay and Determination of LC50 of Cadmium Chloride in *Trichogaster (Colisa) fasciata*; *Appl Biochem Biotechnol.* [Springerlink]; Impact Factor: 3.094, 2022 Sep; 194(9):3890-3900. doi: 10.1007/s12010-022-03953-1. Epub 2022 May 12; <http://www.springerlink.com/openurl.asp?genre=journal & ISSN = 0273-2289>

Books:

2016:-

1. Comparative Analysis of Feeding Intensity of Three Congeneric Carp Fishes Commonly Found in West Bengal from Anatomical, Histological, Biochemical and Genetic Perspective – A Preliminary Study; Published by Rama Prasad Chandra for Book Bazar, Jadavpur, Kolkata – 700 032, ISBN 978-93-84652-12-8; 81 – 89

2. A Comparative Study on the Prevalence and Evolutionary Significance of Some Species of Raillietina from *Gallus gallus domesticus*; Published by Rama Prasad Chandra for Book Bazar, Jadavpur, Kolkata – 700 032, ISBN 978-93-84652-12-8; 151 – 163

❖ List of Participation in Seminar, Conference and Workshop

**Invited Lectures:**

1. Conference: “Basic Ecology and Parasitology”, 2020  
Organiser: **Bangabasi Morning College**, 19 Rajkumar Chakraborty Sarani, Kolkata – 700 009, Affiliated to University of Calcutta  
Title of paper: “**Importance of Biodiversity**”

**International/National:**

**2022**

1. Conference: **International Symposium on “Our Planet, Our Ecosystem, Our Health”**,  
Organiser: **Department of Zoology, Serampore College, Serampore, Hooghly, West Bengal, Affiliated to University of Calcutta**  
Title of paper:  
i) **Human-Wildlife Conflict – Remediation with special emphasis on the Role of Youth and Legalization of Legalities, A Mini-review**  
ii) **Global Warming – A Threat to Mangroves of India, Probable Remediation – A Mini-review**

**2019**

1. Conference: **National Conference on “Future India - Science & Technology”**  
Organiser: **City College, Kolkata, Affiliated to University of Calcutta and Indian Science Congress Association (ISCA), Kolkata Chapter**  
Title of paper:  
i) **Effect of *Hygrophila polysperma* (Kulekhara) leaf extract treatment on Calcium Chlorohypochlorite (Bleaching Powder) induced toxicity in *Ophiocephalus (Channa) punctatus* (Bloch, 1793) – A preliminary study**  
ii) **“Panna National Park” and “Ken-Betwa National River Linking Project”:** Two Controversial Developments - Sinking Biodiversity as dividend! A mini-review  
iii) **Tissue and Stress Specific Esterase Isozyme Polymorphism in Stinging cat fish - *Heteropneustes fossilis*, (Bloch, 1794) – a pilot study**

**2017**

1. Conference: **UGC Sponsored National Seminar on “Recent Advances in Biological Sciences”**  
Organiser: **Department of Zoology, Gurudas College, Kolkata, Affiliated to University of Calcutta in Collaboration with Indian Institute Of Chemical Biology (IICB - CSIR) and Department of Zoology, Dum Dum Motijheel College, Kolkata, Affiliated to West Bengal State University**  
Title of paper:  
i) **A Preliminary Study on the Food Preference of Four Ornamental Fishes**  
ii) **A Study on Protective Effect of Nano-Curcumin on Lead Induced Systemic Toxicity**  
iii) **A Preliminary Study to Trace the Extent of Genetic Relatedness through Isozyme Polymorphism from Gill and Liver Tissues and Its Correlation with Histological Organization of those Tissues of One Fresh Water and One Saline Water Cogeneric Bagrid Catfishes Found in Natural Populations**

2. Conference: **International Seminar on “Advances in Biological Techniques”**  
Organiser: **Department of Zoology, Raja Peary Mohan College, Uttarpura, Hooghly, West Bengal, Affiliated to University of Calcutta**  
Title of paper: **Milidose Effect of Calcium Chlorohypochlorite (Bleaching Powder) on *Ophiocephalus (Channa) punctatus* (Bloch, 1793) and its Amelioration by Hygrophila polysperma – A preliminary study**

## **2016**

1. Conference: **UGC Sponsored National Seminar on “Conservation of Biodiversity and Natural Resources in Sustainable Development”**  
Organiser: **Department of Zoology, Acharyya Prafulla Chandra College, New Barrackpore, 24 Paraganas (N), West Bengal, Affiliated to West Bengal State University**  
Title of paper: **Efficacy of *Lampito* sp. as Lead Bioremediator with Concomitant Effect on Its Seminal Microflora**

### **❖ Workshops/Events organized**

- ❖ **Organized One Day Seminar on “Bio- and Physical Science”, on behalf of Science Departments and IQAC, City College, Kolkata, as Joint Convener, to celebrate ‘National Science Day’ on 29<sup>th</sup> March, 2023**
- ❖ **Organized One Day Seminar on “Blood Donation: Understanding, Awareness & Camp”, on behalf of Department of Zoology and IQAC, City College, Kolkata in collaboration with Birati Ichhedana Society, Kolkata on 17<sup>th</sup> February, 2022**
- ❖ **Organized the Departmental Prize & Award Ceremony to the Students of Zoology Honours, Qualified the CU B. Sc. Zoology Honours Examination with 1<sup>st</sup> Class Marks, entitled, “Prof. N. M Basu Memorial Award Ceremony”, on behalf of Department of Zoology, City College, Kolkata, 2015, 2016, 2017 and 2022**
- ❖ **Organized the National Webinar on “Translation: Zoology to Livelihood, Part – I: Fisheries & Apiculture”, on behalf of Department of Zoology, City College, Kolkata, as Joint Organizing Secretaries on 7<sup>th</sup> September, 2021**
- ❖ **Organized the National Conference on “Future India - Science & Technology”, on behalf of City College, Kolkata in collaboration with Indian Science Congress Association (ISCA), Kolkata Chapter, as Convener, Registration Sub-committee on 27<sup>th</sup> & 28<sup>th</sup> February, 2019**

### **❖ Additional activities :**

**Organized the Wildlife Awareness Rally (WAR) and International Wildlife Film Show – Series 1 (2015-2016), Series 2 (2016-2017), Series 3 (2017-2018), Series 4 (2018-2019), Series 5 (2019-2020) and Series 6 (2022-2023) as Vice-President, “ANUBHAB – Expedition for Better Tomorrow”, Kolkata – a Non-Govt. Non-profitable Organization, working on various wildlife awareness programmes, especially for general mass.**