



GOVERNMENT GENERAL DEGREE COLLEGE, KESHIARY

P.O. Tilaboni Mahishamura P.S. Keshiary Dist. Paschim Medinipur

PIN 721135, West Bengal, India

RESUME

1. Name: DR. SUDIPTA CHAKRABORTY
2. Designation: Assistant Professor in Zoology
3. Department: ZOOLOGY
4. Highest academic degree: M.Sc., Ph.D.
5. Specialization: Parasitology and Immunobiology
6. Contact number: 9433602565
7. E-mail: meschakraborty@gmail.com
8. Date of joining to the service: 28.11.2006



9. Colleges served:

	Name of the College	Affiliated to	From	Till
1	Darjeeling Government College, Darjeeling	North Bengal University	28.11.2006	10.06.2010
2	Maulana Azad College, Kolkata	University of Calcutta	11.06.2010	27.07.2016
3	Government General Degree College at Keshiary, Paschim Medinipur	Vidyasagar University	28.07.2016	till date

10. Area of research interest:
- 1 Immunotoxicology, aquatic toxicology
 - 2 Parasitology

11. Publications:

Paper/Research article		Book/book-chapter		Citation	h-index	i-index	Abstracts	Remark
International	National	International	National					
10	5	1	0	174	7	7	11	

12. Awards/achievement of special mention:

- 1 Qualified CSIR-UGC NET (December, 2003; June, 2004)
- 2 Qualified GATE, 2004 (93.76 percentile score)
- 3 Worked as a Research Assistant in a DRDO funded project entitled: "Early detection of neurovascular damage due to *Plasmodium falciparum* and *Plasmodium vivax* and research for preventive and curative formulations of herbal origin" from 2005-2006.

13. Research project/extramural grant mobilized:

	Funding agency/body	Amount(Rs.)	Name of the research project	PI/Co-PI	From-To
1	UGC*	2,20,000.00	Environmental stress analyses in invertebrate model	PI	NA

* Unable to run the project till date as Govt. Gen. Degree Clg., Keshiary does not have UGC 12 (B) sanction.

14. Patent (International/National)

1 Nil

15. Editorial board member/ Reviewer of any journal/literary body:

- 1 Reviewer: *Ecological Indicators* (Elsevier)
- 2 Reviewer: *Comparative Biochemistry and Physiology* (Elsevier)
- 3 Reviewer: *Energy Ecology and Environment* (Springer)
- 4 Reviewer: *Biomarkers* (Taylor-Francis)
- 5 Journal of Toxicology and Environmental Health, Part A: Current Issues (Taylor-Francis)
- 6 Reviewer: *Proceedings of the National Academy of Science:India B (Biological Sciences)* (Springer)
- 7 Reviewer: *Journal of Tropical Life Science* (CARE enlisted)
- 8 Member of the Advisory Board, *International Journal of Zoology Research* since 2013
- 9 Assistant Editor, *MAC Journal of Basic and Applied Sciences* (2013-2016) (ISSN 2347-5366).

16. Member of learned society:

- 1 Life Member of the Zoological Society of Kolkata, 35 Ballygunge Circular Road, Kolkata 700019.
- 2 Member of the Animal Ethical Committee, Post Graduate Department of Zoology, Maulana Azad College, Kolkata 700013. (2013-2016)

17. List of full length publications (selected few):

- 1 **Chakraborty, S.**, Ray, M. and Ray, S. (2021). Bivalve haemocyte adhesion, aggregation and phagocytosis: a tool to reckon arsenic induced threats to freshwater ecosystem. *Fish & Shellfish Immunology* 114: 229-237. (Elsevier: ISSN: 1050-4648; **IF: 4.581**; Citation: 1) <https://doi.org/10.1016/j.fsi.2021.05.008>
- 2 Dey, A., Mallick, M., Manna, L., Mahapatra, E., Naskar, P., Bhattacharjee, P., Bhuiya, M., Mitra, S., Sarkar, S., Manna, S., Ray, S. and **Chakraborty, S.** What *Corvus splendens* offers as a host: Tolerance or controlled aggression? (*Communicated*)
- 3 **Chakraborty, S.** (2019). Bivalve haemocyte based inexpensive biomarkers in aquatic environment monitoring: scopes and challenges. *International Research Journal of Basic and Applied Sciences* 4(1): 36-51. [ISSN: 2455 6319]
- 4 Mahapatra, E., Dasgupta, D., Bhattacharya, N., Mitra, S., Banerjee, D., Goswami, S., Ghosh, N., Dey, A. and **Chakraborty, S.** (2017). Sustaining immunity during starvation in bivalve mollusc: A costly affair. *Tissue and Cell*, 49 (2), 239-248. (Elsevier; ISSN: 0040-8166; **IF: 2.466**; as corresponding author; Citation: 7) <https://doi.org/10.1016/j.tice.2017.02.005>
- 5 **Chakraborty, S.**, Ray, M. and Ray, S. (2013). Cell to organ: Physiological, immunotoxic and oxidative stress responses of *Lamellidens marginalis* to inorganic arsenite. *Ecotoxicology and Environmental Safety* 94:153-163. (Elsevier; ISSN: 0147-6513; **IF: 6.291**; Citation: 18) <https://doi.org/10.1016/j.ecoenv.2013.04.012>
- 6 **Chakraborty, S.**, Ray, M. and Ray, S. (2012). Arsenic toxicity: a heart-breaking saga of a freshwater bivalve. *Tissue and Cell* 44(3):151-155. (Elsevier; ISSN: 0040-8166; **IF: 2.466**; Citation: 13) <https://doi.org/10.1016/j.tice.2012.01.004>
- 7 Ray, S., Ray, M., **Chakraborty, S.** and Mukherjee, S. (2011). Immunotoxicity of environmental chemicals in the pearl forming mussel of India- a review. In , *Mussels: Anatomy, Habitat and Environmental Impact*. Editor: L.E. McGevin Publisher: Nova Pub. USA, pp. 429-440. (ISBN No.: 978-1-61761-763-8; Citation: 10)
- 8 **Chakraborty, S.**, Ray, M. and Ray, S. (2010). Toxicity of sodium arsenite in the gill of an economically important mollusc of India. *Fish Shellfish Immunology*, 29: 136-148. (Elsevier; ISSN: 1050-4648; **IF: 4.581**; Citation: 60) <https://doi.org/10.1016/j.fsi.2010.02.025>
- 9 **Chakraborty, S.** and Ray, S. (2009). Nuclear morphology and lysosomal stability of molluscan hemocyte as possible biomarkers of arsenic toxicity. *Clean- Soil Air Water*, 37 (10): 669-675. (Willie-Verlag, Germany; **IF: 1.603**; Citation: 20) <https://doi.org/10.1002/clen.200900173>
- 10 **Chakraborty, S.**, Ray, M. and Ray, S. (2009). Evaluation of phagocytic activity and nitric oxide generation by molluscan haemocytes as biomarkers of inorganic arsenic exposure. *Biomarkers* 14(8): 539-546. (Informaworld, UK; **IF: 2.658**; Citation: 14) <https://doi.org/10.3109/13547500903240473>
- 11 **Chakraborty, S.**, Ray, M. and Ray, S. (2008). Sodium arsenite induced alteration of hemocyte density of *Lamellidens marginalis* – an edible mollusk from India. *Clean- Soil Air Water*, 36(2): 195-200. (Willie-Verlag, Germany; **IF: 1.603**; Citation: 28) <https://doi.org/10.1002/clen.200600032>

18. List of published abstract (selected few):

- 1 **Chakraborty, S.**, Dey, A., Mallick, M., Manna, L., Mahapatra, E. (2019). An investigation on the parasitic life hosted by the scavenger bird *Corvus splendens*. In , National Level Seminar on "Frontiers in Biological Sciences: Chapter III" organized by St. Xavier's College(Autonomous), Kolkata 700016 in collaboration with IICB, Kolkata and Presidency University, Kolkata, held on September 21-22, 2019, pg. 81. (Poster presentation)
- 2 **Chakraborty, S.** (2019). Prospect of analysing molluscan biomarkers for the biomonitoring of the aquatic ecosystems. In, One Day National Level Seminar on "Local Biodiversity: Documentation and Conservation", organised by Department of Botany, Ramnagar College, Purba Medinipur and sponsored by West Bengal Biodiversity Board (Dept. of Environment), Govt. of West Bengal on 16th March, 2019. (Poster presentation)
- 3 Dey, A., Mallick, M., Manna, L., Bhattacharya, P., Mahapatra, E., Naskar, P., Bhuiya, M., Mitra, S., Sarkar, S., Manna, S. and **Chakraborty, S.** (2016). A comparative study of host-parasite symphony in a granivore and a scavenger bird from India. In , UGC sponsored National Level Seminar on "From Molecules to Ecosystem- A Zoological Perspective" organized by Department of Zoology, Ramkrishna Missan Vivekananda Centenary College, rahara, Kolkata 700118 in collaboration with Department of Zoology, West Bengal State University, Barasat, Kolkata 700126, held on September 22, 2016. (Poster presentation)
- 4 Mahapatra, E., Dasgupta, D., Bhattacharya, N., Mitra, S., Banerjee, D., Goswami, S. and **Chakraborty, S.** (2015). Impact of starvation on cellular immunity and tissue structure: prospecting a molluscan biomarker. In , One Day International Seminar on "Current Thoughts in Cell Sciences" held on 8th November, 2015 in the CRNN, University of Calcutta, funded by Department of Science and Technology, Govt. of India, pp.38-39. (Poster presentation).
- 5 **Chakraborty, S.** and Ray, S. (2013). Quantitation of immunotoxicity in invertebrates and search for cellular biomarkers of environmental toxicity. In , Spring Talk @ CU Zoology, organized by Department of Zoology, University of Calcutta, held on March 23, 2013, pg. 20. (Oral presentation)
- 6 **Chakraborty, S.**, Mukherjee, S., Bhunia, N.S., Banerjee, P., Chattopadhyay, S., Gupta, S.D., Barua, I., Dube, S.N. and Ray, S. (2010). Analyses of the immunomodulatory and therapeutic efficacy of an Indian antimalarial herbal in murine model. In , EMBO Global Exchange Lecture Course on "Molecular and Evolutionary Genetics of Malaria" held at the National Institute of Malaria Research (NIMR), New Delhi, pg.71. (Poster presentation).

19. List of Seminar/Workshop/Conference/Symposium attended (selected few):

- 1 Participated in National Level Seminar on "Frontiers in Biological Sciences: Chapter III" organized by St. Xavier's College(Autonomous), Kolkata 700016 in collaboration with IICB, Kolkata and Presidency University, Kolkata, held on September 21-22, 2019.
- 2 Participated in one day National Level Seminar on "Local Biodiversity: Documentation and Conservation", organised by Department of Botany, Ramnagar College, Purba Medinipur and sponsored by West Bengal Biodiversity Board (Dept. off Environment), Govt. of West Bengal on 16th March, 2019.
- 3 Participated in UGC sponsored National Level Seminar on "From Molecules to Ecosystem- A Zoological Perspective" organized by Department of Zoology, Ramkrishna Missan Vivekananda Centenary College, Rahara, Kolkata 700118 in collaboration with Department of Zoology, West Bengal State University, Barasat, Kolkata 700126, held on 22 September, 2016.
- 4 Participated in One Day International Seminar on "Current Thoughts in Cell Sciences" in the CRNN, University of Calcutta, funded by Department of Science and Technology, Govt. of India, held on 8th November, 2015.
- 5 Participated in Spring Talk @ CU Zoology, organized by Department of Zoology, University of Calcutta, held on 23 March, 2013.
- 6 Participated in a UGC sponsored National Workshop on "Understanding Biodiversity: Assessment, Analysis and Conservation" organized by the Department of Zoology, Maulana Azad College, Kolkata 700013, held on 25-26 February, 2011.
- 7 Participated in the 1st National Workshop for College Teachers on Application of Flow cytometry, Cell Sorting & Imaging in Biological Research, organized by Centre for Modern Biology & Centre for Research in Nanoscience and Nanotechnology, University of Calcutta, held on 18-24 December, 2011.

20. List of FDP/OP/RC attended:

- 1 Participated in the UGC sponsored Refresher Course organized by the University of Calcutta, Kolkata, from January 2-21, 2020.
- 2 Participated in the UGC sponsored Refresher Course entitled "Recent Trends in Life Science" organized by UGC-Academic Staff College, Jadavpur University, Kolkata, from January 2-21, 2017.
- 3 Participated in the UGC sponsored Refresher Course organized by the University of Calcutta, Kolkata, from 11th Nov.- 4th Dec., 2011.
- 4 Participated in the UGC sponsored Orientation Programme organized by the UGC-Academic Staff College, Jadavpur University, Kolkata, from 6th July-1st August, 2009.

21. List of Online Webinar attended (selected few):

- 1 International online faculty enrichment programme on "Tips & Tricks for Publishing in International Scientific Journals" Dept. of Zoology, Chemistry, Botany & Physics (Under DBT-Star College Scheme, Govt. of India) Surendranath College, held on **20.06.2020**.
- 2 International Webinar on "COVID-19: The Disease, Prevention & Control" organized by IQAC, Government General Degree College, Singur, Hooghly, West Bengal, India, held on **02.07.2020**.
- 3 International webinar on "Tropical Parasites and their Treatments" organized by the Department of Forestry, Botany and Zoology Mizoram University, Aizawl, held on **16.07.2020**
- 4 Webinar on Research Methodology organized by Loyola College, Chennai, held on **17.07.2020**
- 5 International webinar on "Aquatic Ecosystem: Prospect and future challenges" organized by Aquaphile in association with Marine Ecology Laboratory, Presidency University, Kolkata, held on **18.07.2020 and 19.07.2020**
- 6 International webinar on "An Insight into Commercial Applications of Microorganisms in the Current Era" organized by Department of Microbiology, Madras Christian College (Autonomous), held on **24.07.2020 and 25.07.2020**
- 7 International webinar on "Recent Advances in Nanoscience and It's Applications" organized by Special Centre for Nanoscience, Jawaharlal Nehru University, New Mehrauli Road, New Delhi, held on **27.07.2020 and 28.07.2020**.
- 8 Webinar on "NAAC Assessment and Accreditation Process" organized by St. Xavier's College (Autonomous), Kolkata in collaboration with IQAC, held on **30.07.2020 and 31.07.2020**.
- 9 Webinar on "COVID-19: An atypical infectious disease in terms of host-pathogen interactions" organized by Department of Zoology, Ramkrishna Mission Vidyamandir, Belur, held on **02.08.2020**.
- 10 Online Workshop on "Academic and Scientific Writing Catapulting Institutional Visibility" organized by Central Library, Manipur University in collaboration with Springer Nature, held on **03.08.2020**.
- 11 National Level e-Workshop on "Molecular Visualization and Modeling using Python Programming" organized by Departments of Physics, Microbiology and Zoology, Maulana Azad College, Kolkata as DBT STAR College Programme, held on **10.08.2020, 11.08.2020 and 12.08.2020**.
- 12 National Level Webinar on "Relevance of Massive Open Online Courses (MOOCs) in the Time of Pandemic" organized by the Department of Zoology, Jhargram Raj College as DBT STAR College Programme, held on **12.08.2020**
- 13 International Webinar on "Trends in Biomedicine & Life Sciences Publishing and Nuances and Tools of Scientific Publishing" organized by Springer Nature in collaboration with Delcon (a DBT e library consortium), held on **02.09.2020**
- 14 International webinar on "Abstracting and Indexing – How to get indexed and how to increase research impact" organized by Springer Nature in collaboration with Delcon (a DBT e library consortium), held on **09.09.2020**.
- 15 International webinar on "Publishing Ethics in Biomedicine & Life Sciences Research" organized by Springer Nature in collaboration with Delcon (a DBT e library consortium), held on **16.09.2020**.

22. Special mention (if any):

- 1 *Serving as the Officer-in-Charge, Government General Degree College at Keshiary since September 20, 2017.*
- 2 Teaching experience: 10 years at PG level; 14 years+ at UG level.
- 3 Member of the PGEC, Post Graduate Department of Zoology, Maulana Azad College, Kolkata-13 (2010-2016)
- 4 Convener, PGEC, Post Graduate Department of Zoology, Maulana Azad College, Kolkata -13 (2015-2016).
- 5 Invited talk: In, Proceedings of UGC Sponsored National Seminar "Prospects of Biotechnology in Rural Bengal" organized by School of Life Sciences, Uluberia College held on January 17-18, 2014.
- 6 Resource person in the DBT funded workshop on "Technique to Explore the Frontier of Modern Biological Sciences", organized by the Department of Zoology, Maulana Azad College, Kolkata -13 under DBT -Star College Programme, held on Nov-8-10, 2011.
- 7 Resource person in the DBT funded workshop on " Assay on Exfoliated Cell Micronucleus and other Nuclear Anomalies as Biomarker for Chromosome Breakage and Mitotic Interference", organized by the Department of Zoology, Maulana Azad College, Kolkata -13 under DBT -Star College Programme, held on Nov-8-10, 2013.
- 8 Resource person in in-house workshop on " Application of pug-mark analysis in tiger census in India" organized by Government General Degree College at Keshiary, Paschim Medinipur, PIN 721135 on 27.11.2019.
- 9 Guided nearly 40 students in their dissertation work at the Master's level from 2006 to 2016.
- 10 Delivered several talks on environmental and health issues in the seminars organized by the NSS Unit 1 of GGDC, Keshiary in collaboration with the NSS Unit, Vidyasagar University from 2017-2019.