

**Dr. ANGANA GHOSHAL**

Assistant Professor (Stage 2)

M.Sc (Zoology); PhD (Infectious Disease and Immunobiology)

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**Overview:** Dr. Angana Ghoshal, has been serving the department of Zoology since 15<sup>th</sup> March, 2010. She is an alumnus of the Banaras Hindu University. Prior to her position she was engaged in active research at the Infectious Disease and Immunobiology Division of Indian Institute of Chemical Biology (CSIR), Jadavpur, Kolkata, from where she attained her Doctoral degree. Her area of research interest is infectious diseases, the immune status and host-pathogen interaction. She has several research publications of international and national repute. Her present area of work involves the study of stress, physiological and immune response in different aquatic fauna. Apart from her domain of teaching in the undergraduate and post-graduate courses, she has performed a diverse array of duties as a convener of different institutional committees. She has been an invitee member of the Post-graduate Board of studies of Zoology, Kazi Nazrul University and has acted as the Co-ordinator (both Undergraduate and Postgraduate) of the Department. She is also a member of the Undergraduate Board of Studies of Zoology, Kazi Nazrul University.

**Date of appointment to the present job:** 15<sup>th</sup> March 2010

**Other Academic/ Administrative post:**

Sl. No.	Nature of duty performed	Department/Committee/Body
1.	Invitee Member of the Post-Graduate Board of Studies (w.e.f. 25/6/2019)	Zoology, Kazi Nazrul University
2.	Member of Undergraduate Board of Studies (w.e.f 09/04/2020)	Zoology, Kazi Nazrul University
3.	Co-ordinator of Undergraduate Course (till February, 2018)	Zoology
4.	Co-ordinator of Post-graduate Course (till February, 2020)	Zoology
5.	Convener	Seminar Committee

**Academic background:** She has completed Bachelor's Degree in Zoology (Hons.) from Bethune College (Calcutta University) in 2002. She was awarded the Master's Degree in Zoology with specialisation in Molecular Biology, Biochemistry & Metabolism from Banaras Hindu University in the year 2004 respectively. She has completed her Ph.D. Degree in: "Exploring the role of sialic acids in Leishmaniasis" from Indian Institute of Chemical Biology (CSIR), Jadavpur, Kolkata. She was awarded the Ph.D. degree in 2009 from Jadavpur University, Kolkata.

**Information about M Phil/Ph D etc.:**

- PhD Topic:** "Exploring the role of sialic acids in Leishmaniasis."  
(Web link: [https://drive.google.com/file/d/1gQ3OZgy9\\_i0bxuYk6BENxiiR2yZgT62j/view?usp=sharing](https://drive.google.com/file/d/1gQ3OZgy9_i0bxuYk6BENxiiR2yZgT62j/view?usp=sharing))
- M.Phil Topic:** NA (Web link: NA)

**Area of present academic/ Research interest/Research Projects & Schemes and Collaborations:**

- Research interest:** study of stress, physiological and immune response in different aquatic fauna.
- Research projects:** NA (Web link: NA)
- Collaborations:** NA (Web link: NA)

**Ph.D. Supervision:** NA

## Academic Visit Abroad: NA

### Publications:

- ❑ Ghoshal A. 2018. A Comparative Study of Thermal Stress affecting the respiratory rate, physiochemical and behavioural responses of *Chhana punctatus* and *Mystus gulio*. *JETIR*, Volume 5, Issue 8; pp 968-975 (Weblink: Available at: <http://www.jetir.org/papers/JETIR1808442.pdf>; <http://doi.org/10.1729/Journal.18199> )
- ❑ Ghoshal A., 2018. Climate change poses a threat to prevalence of Visceral Leishmaniasis: An Overview, *International Journal of Research and Analytical Reviews*, Volume 5, Issue 3, (July – Sept); (e ISSN 2348 – 1269, Print ISSN 2349-5138) (Web link: [https://ijrar.com/upload\\_issue/ijrar\\_issue\\_1768.pdf](https://ijrar.com/upload_issue/ijrar_issue_1768.pdf))
- ❑ Ghoshal A., 2019. Association of Vitamin D and Obesity: An Overview. *International Journal of Research and Analytical Reviews*, Volume 6, Issue 2, (April-June); e ISSN 2348 –1269, Print ISSN 2349-5138 ([http://ijrar.com/upload\\_issue/ijrar\\_issue\\_20544159.pdf](http://ijrar.com/upload_issue/ijrar_issue_20544159.pdf))
- ❑ Ghoshal A., April 2019, Neglected tropical diseases and social determinants: An intersection of incidence. *International Journal of Pharma and Bio Sciences*10(2): (B) 181-186 (<http://dx.doi.org/10.22376/ijpbs.2019.10.2.b181-186>)

### Books and Chapters:

#### ❑ BOOKS:

- Ghoshal A., ed. (2019) *Zoology: Theory and Practical of Non-Chordates (Honours: Semester:2)*. 1<sup>st</sup> ed. Uddalok Publishing House, Kolkata-49. (ISBN No. 978-93-85580-69-7). (Weblink: <https://drive.google.com/file/d/1YN-O5RGkFbszGKKHsGiE4OwljFt-SwHH/view?usp=sharing>)

#### ❑ CHAPTERS:

- Ghoshal A., Climate change: A dagger in disguise triggering the emergence of infectious diseases. *Aksharmita: A collection of Articles*; pp120; Publisher: Dibaratrir Kavya(UGC Approved) ISBN No. 978-93-84496-07-4
- Dawn S & Ghoshal A., Development of the Western Barddhaman as a mining belt since colonial phase: A geographical review; pp197; A collection of Articles; pp120; Publisher: Dibaratrir Kavya (UGC Approved) ISBN No. 978-93-84496-07-4
- Ghoshal A., A brief review on the impacts of Global Warming; *The climate on the Edge: A collection of Evidences, Impacts and Trends*; ISBN No.

(Web link: NA)

### Seminars, Webinars and Conferences attended:

- ❑ Ghoshal A; UGC sponsored National Seminar on “Climate change: a dagger in disguise affecting biodiversity”; Presentation at Triveni Devi Bhalotia College, Raniganj; on 27th-28th January, 2011.
- ❑ Ghoshal A; 2<sup>nd</sup> Convention: SFE-INDIA: National Seminar on “Integrated Approaches for promotion and development of herbal medicine”; Presentation at School of Natural product Studies, Jadavpur University; December 5-6, 2015.

- ❑ Ghoshal A; International Conference on Exploring the modern approach in biological science: from genome to organism; Presentation; at the Department of Zoology, Sidho-Kanho-Birsha University; November 25-27, 2015.
- ❑ Ghoshal A; National Seminar (UGC-DRS & DST-FIST sponsored) entitled “Plant and microbial resources; utilization and conservation” Presentation at the Department of Botany, Visva-Bharati, Shantiniketan; 15-16 March, 2017
- ❑ Ghoshal A; “International Seminar on Science: Past, present and Future” organised by Syamsundar College, Burdwan and Indian Chemical Society; Presentation at Syamsundar College, Burdwan on 12th December, 2017.
- ❑ Ghoshal A; National seminar on Frontiers in Chemical Sciences (NSFCS-2018); Sponsored by SERB (Govt. of India); Presentation at Triveni Devi Bhalotia College, Raniganj; 5-6 April, 2018.
- ❑ Ghoshal A; “National Seminar on “Recent Trends in Sciences”; Presentation at Burdwan Raj College, University of Burdwan, Burdwan on 16th November, 2018.

**Conference/ Seminar Organised: NA**

**Life Membership: NA**

**Awards:**

- ❑ NATIONAL ELIGIBILITY TEST (NET), 2003. Conducted by COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR & UGC) - Qualified for carrying out research with fellowship from CSIR (CSIR-JRF) and Lecturership, Govt. of India.
- ❑ Junior Research Fellow (sponsored by CSIR), Dept. of Infectious diseases, Indian Institute of Chemical Biology, Jadavpur, 2004-2006
- ❑ Senior Research Fellow (sponsored by CSIR), Dept. of Infectious diseases, Indian Institute of Chemical Biology, Jadavpur, 2006-2009.
- ❑ GRADUATE APTITUDE TEST IN ENGINEERING (GATE), 2003- Qualified GATE in Lifescience category with 93.4 percentile.
- ❑ Received the National scholarship for B.Sc-Honours from Calcutta University.

**Others/ Miscellaneous: NA**

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