




ZAKIR HUSAIN DELHI COLLEGE
(University of Delhi)

Faculty Details

(Please Fill the form and Email it to website@zh.du.ac.in)

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| Title Dr. | First Name Anubha | Last Name Das | Photograph |
| Designation | Associate Professor | |  |
| Address | Zakir Husain Delhi College (M) Jawaharlal Nehru Marg University of Delhi New Delhi- 110002 | | |
| Phone Number | Office | 23232420 | |
| | Residence | | |
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| Web Page | | | |
| Educational Qualification | | | |
| Degree | Institution | Year | |
| Ph.D | Department of Zoology University of Delhi | 2008 | |
| Career Profile | | | |
| Associate Professor, Department of Zoology, Zakir Husain Delhi College, Jawaharlal Nehru Marg, New Delhi-110002 (July 26, 2006 till date). | | | |
| Administrative Assignments | | | |
| <ul style="list-style-type: none">▪ Practical Superintendent, Department of Zoology, Zakir Husain Delhi College, (2023-24)▪ Member, Spectrum, Science Magazine (2023-24)▪ Member, Library Committee (2021-22)▪ Member Admission Committee (2021-22)▪ Head, Department of Zoology, Zakir Husain Delhi College, Jawaharlal Nehru Marg, New Delhi-110002 (May 1, 2021 to April 30, 2022).▪ Member, Entrepreneurship Development Cell (2021-22)▪ Member, Entrepreneurship Development Cell (2020-21) | | | |

- **Practical Superintendent**, Department of Zoology, Zakir Husain Delhi College, (2018-19)
- **Coordinator**, Seed Bank Project (Native plants of Delhi Nursery in collaboration with CEC-BNHS, Asola wildlife Sanctuary, Tuglakabad, Delhi), Zakir Husain Delhi College (2015)
- **Coordinator**, Composting Project, Zakir Husain Delhi College (2015)
- **Mentor**, Mentorship Programme, Zakir Husain Delhi College (2006 till date)
- **Convener**, “Srishti”, Nature and Environment Society, Zakir Husain Delhi College (2016-17)
- **Member**, “Srishti”, Nature and Environment Society, Zakir Husain Delhi College (2015-16)
- **Member**, Convocation Committee, Zakir Husain Delhi College (2015-16)
- **Convener**, “Fusion” Life Science Society, Zakir Husain Delhi College (2015-16)
- **Convener**, “Fusion” Life Science Society, Zakir Husain Delhi College (2014-15)
- **Head**, Department of Zoology, Zakir Husain Delhi College, Jawaharlal Nehru Marg, New Delhi-110002 (April 1, 2012 to March 31, 2013).
- **Secretary**, College Complaints Committee Against Sexual Harrasement, Zakir Husain Delhi College (2012-13)
- **Member**, College Admission Committee, Zakir Husain Delhi College (2012-13)
- **Member**, Career Counseling and Placement Cell for students, Zakir Husain Delhi College (2012-13)
- **Member**, Library Committee, Zakir Husain Delhi College (2012-13)
- **Member**, Convocation Committee, Zakir Husain Delhi College (2009-10)
- **Member**, Annual Day Organizing Committee, Zakir Husain Delhi College (2009-10)
- **Member, Inheritance**, Zoological Society (2006 till date)
- **Member**, Departmental Stock Committee (2006 till date)

Areas of Interest / Specialization

Area of Interest - Ecology, Environment, Climate Change, Sustainable Development

Specialization- Entomology

Subjects Taught

Ecology, Evolution, Molecular Biology, Non-Chordates, Cell Biology

Research Guidance

Publications Profile

1. Effect of three neem extracts on oviposition behavior and egg-hatchability of *Spodoptera litura*
2. Climate Change and Myriad Ways Its Impacting the World.
3. Agroforestry: A tool for climate Change adaptation, mitigation and enhanced food security.
4. Nanoparticles: applications in medicine and agriculture.
5. Hypertension, Covid- 19 and use of ACEIs/ARBs: Current Evidence and Perspectives.
6. Effect of three neem kernel extracts on performance of *Spodoptera litura* (Fabricius, 1775) under laboratory conditions
7. The relationship between PM2.5 and incidence and severity of Covid-19
8. Effect of three neem seed kernel extracts on nutritional indices of *Spodoptera litura* (Fabricius,1775) under laboratory conditions.

9. North-East India: A Unique Biodiversity Paradise Unexplored or Lost?
10. Understanding Climate Change Awareness of Undergraduates of University of Delhi.

General Articles: (Science Reporter)

1. A bizarre life-cycle *Antechinus* (Marsupial Mouse)
2. The Newest Member in the “Insectivorous Plants Club” *Triantha occidentalis* (Western false asphodel)
3. Zombie Ants: A case of perfect puppetry

Others:

- Module 1. “Population: Life history and reproductive strategies Part I” for NME-ICT in Zoology under MHRD project eppathshala
- Module 2. “Population: Life history and reproductive strategies Part II” for NME-ICT in Zoology under MHRD project eppathshala
- e-lesson Plasmodium vivax: Life cycle, pathogenicity and prophylaxis for Institute of Life Long Learning, University of Delhi (NME-ICT in Zoology under MHRD project)

Conference Organization/ Presentations (in the last five years)

Presented a paper “**Recognizing the Role of Women in Green Economy**”, at **World Women Conference-IV**, organised by Mata Sundri College for Women, University of Delhi (March 8-9, 2022).

Presented a paper “**Empowering Women for a Climate Resilient Earth**”, at **World Women Conference-IV**, organised by Mata Sundri College for Women, University of Delhi (March 8-9, 2022).

Presented a paper “**COVID- 19 led lockdown and surface water quality: Is there any link?**” at Global Water Congress 2022, organised by Environment and Social Development Association (ESDA), in association with Dr. Bhim Rao Ambedkar College, (20-22 March, 2022).

Presented a paper “**COVID- 19 and water: A Bidirectional Relationship**” at Global Water Congress 2022, organised by Environment and Social Development Association (ESDA), in association with Dr. Bhim Rao Ambedkar College, (20-22 March, 2022).

Research Projects (Major Grants/Research Collaboration)

Ongoing project: Youth Science Media Research and Outreach, Youth Science Media Challenge (funded by NCSTC, DST)

Awards and Distinctions

Selected for **Dr. Sarvepalli Radhakrishnan Best Teacher Award 2021 in using ICT for innovation in Education**, by Center for Professional Advancement and Continuous Education, India

Indian Women Achiever’s Award by Anchor Media Group for exemplary contribution to the society and the nation, 2017.

Fellow (Life Science) , Institute of Life Long Learning, Benito Juarez Marg, South Campus, New Delhi -1100 (August2, 2010 to August 1, 2011).

Association With Professional Bodies

Member, Indian Science Congress Association, India

Other Activities

Organized a webinar on career opportunities in collaboration with KEDGE Business School, France. (2022)

Organized a virtual talk on career opportunities in the field of Biotechnology for students, collaboration with TERI SAS. (2022)

Organized a virtual tour of Crocodile Bank Trust for students (2022)

Participated in International Webinar on: “**Evolution: The Most Important Theory of Biology**” by Prof. Douglas Futuyma. (2022)

Participated in Special Public Webinar on “**Evolution of Darwin’s Finches from Ecology to Genomics**”. (2022)

Participated in Special Public Webinar on “**Making sense of climate change at the local scale**”. (2022)

Participated in Webinar on “**Understanding Plagiarism Detection Software Original**” (2022)

Session Coordinator in National Workshop on “**Application of Biotechnology, Bioinformatics and Biostatistics tools for Science Students**” (2021)

Written articles for Science Reporter, science magazine published by CSIR

Online course “**Storytelling for Impact in your classroom: Video**”, offered by **National Geographic** in partnership with **Adobe** (2021)

Refresher course on “**Managing Online Classes & Co- creating MOOCS 7.0**” with **Grade A+** (2021)

Refresher course on “**Usage of ICT in education: Challenges and opportunities during Covid19**” (2021)

Participated in National Webinar entitled “**Teacher’s e-Kit: A Four Quadrant Approach for Development of OERs for Higher Education**”. (2021)

Faculty Development Program on “**e-Learning and developing MOOCS for teaching process in higher education**” with **Grade A+** (2020)

Faculty Development Program on “**Development and implementation of MOOCS**” with **Grade A+** (2020)

Written e-chapters for e-pg pathshala , under MHRD Project

Written e-chapters for Institute of lifelong learning, under MHRD Project

Established Delhi University’s first “**Native Trees of Delhi Nursery**” in collaboration with **CEC-BNHS** , Asola wildlife Sanctuary, Tuglakabad, Delhi, in Zakir Husain Delhi College

Organised workshop “**Story of Dragonflies: A festival of Odonata**”, Zakir Husain Delhi College

Organised “Native tree Species Seeds Collection Drive” in collaboration with CEC-BNHS, Asola wildlife Sanctuary, Tuglakabad, Delhi

Organized workshop “Turning organic waste into manure, composting workshop”, Zakir Husain Delhi College

Organized workshop “Bird nests and bird feeders designing”, Zakir Husain Delhi College

Organized workshop “Setting up Delhi’s Native Trees Nursery, training workshop”, Zakir Husain Delhi College

Organized workshop “Vertical gardening using waste bottles”, Zakir Husain Delhi College

Organized workshop “Evolution through the window of Bioinformatics” Zakir Husain Delhi College Developed e-quizzes, question bank

Delivered e-lecture on Mitosis (ILLL)

Organised workshop on e- content creation for college teachers

Organised workshop on e-content for under-graduate students