




ZAKIR HUSAIN DELHI COLLEGE

(University of Delhi)

FACULTY DETAILS

Title:	First Name:	Last Name:	Photograph
Dr.	B.	HARERAMADAS	
Designation:	ASSOCIATE PROFESSOR		
Address:	D-119, 2 nd Floor, D-Block, Vikaspuri, New Delhi-110018		
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Web Page:	<p>Google Scholar: https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=p57GOMAA AAAJ&sortby=pubdate</p> <p>ORCID: https://orcid.org/0000-0001-5284-1109</p> <p>Research Gate: https://www.researchgate.net/profile/Hareramadas</p>		
EDUCATIONAL QUALIFICATIONS:			
Degree		Institution	Year
Ph.D. Thesis: Endocrine control of cellular mechanisms involved in thymic atrophy of wall lizard <i>H. flaviviridis</i>		University of Delhi, Delhi	2000 – 2005; awarded in 2006
M.Phil. Dissertation: Seasonal and ultrastructural changes in the thymus of wall lizard <i>H. flaviviridis</i>		University of Delhi, Delhi	1998 – 1999; awarded in 2000
M.Sc. Specialization: Comparative Animal Physiology		Sri Venkateswara University, Tirupati, Andhra Pradesh.	1995 - 1997
B.Sc.		Andhra Loyola College (Nagarjuna University), Vijayawada, Andhra Pradesh	1992 - 1995

CAREER PROFILE

Following the completion of Doctoral Research, and submission of Doctoral Thesis to the **University of Delhi** in 2005, worked as an *Ad-hoc* Lecturer at Acharya Narendra Dev College, DU, then had a brief Post-doctoral experience from **National Institute of Immunology** (NII, New Delhi). There afterwards, for the past two decades pursuing Teaching at Under Graduate level with main teaching interest in Animal Physiology, Immunology, Biotechnology etc. to B.Sc. (Hons) and B.Sc. (Life Sciences); also taught B.Sc. (Gen), B.Sc. (Physical Sciences), B.Sc. (Hon. Botany, Subsi.) students.

Accomplished dynamic Associate Professor at **Zakir Husain Delhi College, DU** since July 2006, renowned for pioneering curriculum development and enhancing student engagement through innovative teaching strategies. Played a pivotal role in curriculum creation as part of curriculum development committees, with a proven track record in elevating academic excellence. Skillfully blends analytical prowess with teaching excellence, contributing to program initiatives and student assessment practices, engagement, and performance. Expert in research and analysis, adept at leading online class discussions.

2005 to 2010:

Lecturer/ RA/ Assistant Professor stage-1

2010 to 2015:

Assistant Professor stage-2

2015 to 2018:

Assistant Professor stage-3

2018 to Present:

Associate Professor

Teaching Experience

~19 years

ADMINISTRATIVE ASSIGNMENTS

In addition to Departmental responsibilities like Teacher-in-Charge, Member- Staff Requirement Committee, Member- Academic Supervisory Committee, President- Zoological Society of the College; and performed duties in several other College and Departmental committees (Antardhvani committee, College Convocation committee, NAAC committee etc.) as Member for the smooth functioning of the Institution.

AREAS OF INTEREST / SPECIALIZATION

Immunology/ ImmunoEndocrinology
Physiology
Environment

SUBJECTS TAUGHT

Physiology
Immunology
Biotechnology

RESEARCH GUIDANCE

Guided UG students under '*DU Innovation Projects*'.

- 1. DU Innovation Project-1: 2015-16 (ZHC-302):** Designing a mathematical model to solve the upcoming water crisis in Noida/Greater Noida Region.

2. DU Innovation Project-2: 2013-15 (ZHC-202): Assessment of Cytotoxicity and genotoxicity of Yamuna water in Delhi region by plant-based bioassay.

PUBLICATIONS PROFILE

1. Polycystic Ovarian Syndrome: A Review of Multi-omics Analyses.

Ilmas Naqvi, Anannya Bandyopadhyay, Amisha Panda and **B. Hareramadas***

Reproductive Sciences, Springer Nature (2025).

ISSN: **1933-7191**; Online ISSN: **1933-7205**, **SCOPUS Indexed**, Impact Factor (Clarivate): **2.6**, CiteScore (Scopus): **2.6**

DOI: <https://doi.org/10.1007/s43032-025-01789-8>

2. Describing a New Freshwater Ciliate, *Aponotohymena botrinucleata* from Delhi, India.

Ilmas Naqvi, Anannya Bandyopadhyay, Ragesh PR, Satish Ganta, Ranjeet K. Nirala and **B. Hareramadas***

Vantage: Journal of Thematic Analysis, **2024**, 5(1): 48-59.

ISSN: **2582-7391**, **Peer-Reviewed**, Impact Factor (Clarivate): **NIL**

DOI: <https://doi.org/10.52253/vjta.2024.v05i01.06>

URL: <https://journalvantage-maitreyi.com/original-research-article3-volume4-issue2-october-2023.php>

3. Description of an Indian Population of *Urosomoida perthensis* (Ciliophora: Oxytrichidae) with 16 FVT Cirri from a Pond located at Rajghat, Delhi, India

Ilmas Naqvi, Anannya Bandyopadhyay, S Ganta, Ragesh PR and **B. Hareramadas***

In Press 2024 (Manuscript accepted on 6 April, 2024 for publication in the journal "*Microsphere*").

Online ISSN: **2583-5327**, **Peer-Reviewed**, Impact Factor (Clarivate): **NIL**

4. Morphology and Morphogenetic Description of an Indian Population of a Soil Ciliate *Notohymena gangwonensis* from Rithala Wastewater Treatment Plant (WWTP), Delhi, India.

Ilmas Naqvi, Ragesh PR, S Ganta and **B. Hareramadas***

Vantage: Journal of Thematic Analysis, **2023**, 4 (2), 47-58.

ISSN: **2582-7391**, **Peer-Reviewed**, Impact Factor (Clarivate): **NIL**

URL: <https://journalvantage-maitreyi.com/images/volume-4/Morphology-and-Morphogenetic-Description.pdf>

5. Unusual Infestation of Litchi Fruits by Land Snail, *Rhachis bengalensis* (Lamarck, 1822) in Muzaffarpur (Bihar).

Z Masroor, **B. Hareramadas**, MD Masroor, K Bala, S Pal, R Kumar, KS Patel and M Sengar

Journal of Experimental Zoology India, **2023**, 26 (2), 2359-2362.

ISSN: **0972-0030**, E-ISSN: **0976-1780**, **SCOPUS Indexed**, Impact Factor (Clarivate): **NIL**

DOI: <https://doi.org/10.51470/jez.2023.26.2.2359>

6. Assessing Road-Kill Mortality in the Highway Passing Through Urban, Agricultural, Forest, and River Landscapes in Bihar.

Mohammad Danish Masroor, Manisha Sengar, Zakkia Masroor, Sangeeta Pal, Rahul Kumar, Kiran Bala, Raj Kumar, Kumari Shilpa Patel and **B. Hareramadas***

Journal of Experimental Zoology India, **2023**, 26 (2), pp. 2385-2394.

ISSN: **0972-0030**, E-ISSN: **0976-1780**, **SCOPUS Indexed**, Impact Factor (Clarivate): **NIL**

DOI: <https://doi.org/10.51470/jez.2023.26.2.2385>

URL: https://connectjournals.com/file_html_pdf/3736802H_2385A.pdf

7. eContent- IGNOU Chapter: 2022

Unit-3: CARDIAC PHYSIOLOGY

Publisher: eGyanKosh IGNOU

<https://egyankosh.ac.in/bitstream/123456789/81725/3/Unit-3.pdf>

<https://egyankosh.ac.in/browse?type=author&value=Ramdas%2C+B.+Hare>

8. eContent- IGNOU Chapter: 2022

Unit 7: RENAL PHYSIOLOGY

Publisher: eGyanKosh IGNOU

<https://egyankosh.ac.in/bitstream/123456789/81725/3/Unit-3.pdf>

<https://egyankosh.ac.in/browse?type=author&value=Ramdas%2C+B.+Hare>

9. eContent- IGNOU Chapter: 2022

Unit 12: MUSCULOSKELETAL SYSTEM

Publisher: eGyanKosh IGNOU

<https://egyankosh.ac.in/bitstream/123456789/81737/1/Unit-12.pdf>

<https://egyankosh.ac.in/browse?type=author&value=Ramdas%2C+B.+Hare>

10. Assessment of cytotoxic and genotoxic effects of Yamuna River water pollutants in an urban metropolis, Delhi (India).

Zahid H Siddiqui, Ratnum K Wattal, **Hareramadas Batchu*** and ZK Abbas

Water Supply, **2020**, 20 (7), 2682-2697.

ISSN: **1606-9749**, EISSN: **1607-0798**, **SCOPUS Indexed**, Impact Factor (Clarivate): **1.9**, CiteScore (Scopus): **3.3**

DOI: <https://doi.org/10.2166/ws.2020.165>

11. CHAPTER- Use of plant secondary metabolites as nutraceuticals for treatment and management of cancer: Approaches and challenges.

ZH Siddiqui, **B. Hareramadas**, ZK Abbas, T Parween and MN Khan

In: M. S. Akhtar and M. K. Swamy (Eds.), *Anticancer plants: Properties and Application*, **2018**, Volume 1, 395-413. Springer, Singapore.

12. CHAPTER- Pharmaceutical and Nutraceutical Phytocompounds for Treatment and Management of Cancer: A Brief Review of Anticancer Foods and Herbs.

B Hareramadas*, Ilmas Naqvi, Satish Ganta

In: S Kumar, M Bhargava, RK Wattal and T Jehan (Eds.), *Scope of Phytochemically Unexplored Medicinal Plants*, 81-98, **2017**.

ENRICHED PUBLICATIONS PVT. LTD., New Delhi.

ISBN: 978-1-63535-013-5

13. Cellular mechanism of estrogen-induced thymic involution in wall lizard: caspase-dependent action.

Batchu Hareramadas and Umesh Rai

Journal of Experimental Zoology Part A: Comparative Experimental Biology, **2006**, 305A (5), 396-409.

ISSN: 1548-8969, E-ISSN: 1552-499X, **SCOPUS Indexed**, Impact Factor (Clarivate): **1.9**, CiteScore (Scopus): **4.9**

DOI: <https://doi.org/10.1002/jez.a.260>

14. PROCEEDINGS: Androgen induces thymocyte apoptosis through thymic stromal cells in wall lizard *Hemidactylus flaviviridis*.

Rai, U. and **Hareramadas, B.** (2006, February).

In: *Journal of Experimental Zoology: Part A- Comparative Experimental Biology*, Vol. 305 (2), pp. 169.

DIV JOHN WILEY & SONS INC, HOBOKEN, NJ 07030 USA: WILEY-LISS.

15. PROCEEDINGS: Estrogen-induced thymic atrophy in the Wall lizard, *Hemidactylus flaviviridis*.

Hareramadas, B. and Rai, U. (2006).

In: Tangpraputgul, P., Malaivijitnond, S., Chanchao, C. and Kitana, N. (Eds.) "*Proceedings of the 5th Inter-congress of Asia and Oceania Society for Comparative Endocrinology (AOSCE)*", Bangkok, Thailand, **2006**. pp. 267-275.

ISBN: 0913-9036

16. Mechanism of androgen-induced thymic atrophy in the wall lizard, *Hemidactylus flaviviridis*: an in vitro study.

B. Hareramadas and U Rai

General and Comparative Endocrinology, **2005**, 144 (1), 10-19.

ISSN: 0016-6480, **SCOPUS Indexed**, Impact Factor (Clarivate): **2.1**, CiteScore (Scopus): **5.6**

DOI: <https://doi.org/10.1016/j.ygcen.2005.04.016>

17. Glucocorticoid-induced thymocyte apoptosis in wall lizard *Hemidactylus flaviviridis*.

B. Hareramadas, GW Rembhotkar and U Rai

General and Comparative Endocrinology, **2004**, 135 (3), 293-299.

ISSN: **0016-6480**, **SCOPUS Indexed**, Impact Factor (Clarivate): **2.1**, CiteScore (Scopus): **5.6**

DOI: <https://doi.org/10.1016/j.ygcen.2003.10.015>

18. PROCEEDINGS: *In vitro* effect of corticosterone on lizard thymocytes. "Trends in comparative endocrinology".

Hareramadas, B. and Rai, U. (2004).

In: Oishi, T., Tsutsui, K. and Kikuyama, S. (Eds.) "*Proceedings of the 5th Asia and Oceania Society for Comparative Endocrinology (AOSCE)*", Nara, Japan, pp. 230-232.

ISBN: **0913-9036**

19. Thymic structural changes in relation to seasonal cycle and testosterone administration in wall lizard *Hemidactylus flaviviridis* (Rüppell)

B Hareramadas and U Rai

Indian Journal of Experimental Biology, **2001**, 39 (7), 629-635.

ISSN: **0019-5189** (Print), **0975-1009** (Online), **SCOPUS Indexed**, Impact Factor (Clarivate): **1.0**

URL: <http://nopr.niscpr.res.in/handle/123456789/23832>

CONFERENCE ORGANIZATION/ PRESENTATIONS (2019-20 TO 2024-25)

- **2025: Attended** and presented a **poster** paper on "The Ciliates of Extreme Environment" in the ISCB-2025 organized by AND College from 5-7, Feb 2025.
- **2025: Attended** and **Chaired** a session in the ISCB-2025 organized by AND College from 5-7, Feb 2025.
- **2024: Attended** and presented a **poster** paper on "A new record of *Oxytricha granulifera* Foissner and Adam (1983) from Delhi, India" at the 8th International Conference of INSCR & 4th International Symposium on Ciliate Biology- "Exploring the Microbial World: Human Health and Environmental Sustainability" on 3-5, April 2024.
- **2024: Attended** and presented a **poster** paper on "A new freshwater ciliate *Aponotohymena australis* (Foissner & O'Donoghue, 1990; Foissner, 2016) from Delhi, India" at the 8th International Conference of INSCR & 4th International Symposium on Ciliate Biology- "Exploring the Microbial World: Human Health and Environmental Sustainability" on 3-5 April 2024.
- **2022: Attended** and presented an **oral** paper on "Assessing the Effects of Anthropogenic Activities on River Microbiome: A Multi-omics Approach" at "International Conference cum Workshop on Proteomics, Transcriptomics, and Molecular Drug Design: An Integrated Omics Approach" organized by Department of Botany, Zakir Husain Delhi College in collaboration with Plant Molecular Genetics Laboratory, Department of Botany, University of Delhi during May 25-27, 2022.

RESEARCH PROJECTS (MAJOR GRANTS/RESEARCH COLLABORATION)

NIL

AWARDS AND DISTINCTIONS

- Awarded **NET-LS** in 2000 jointly by University Grants Commission (UGC), New Delhi, and Council of Scientific and Industrial Research (CSIR), Government of India.
- Awarded **Senior Research Fellowship (CSIR-SRF)** in 2001 from Council of Scientific and Industrial Research (CSIR), Government of India, for Doctoral Research.
- Bestowed with “**Best Student Oral Presentation Award**” in the “National Symposium on Comparative Endocrinology and Reproductive Physiology: Retrospect and Prospect” held in the Department of Zoology, University of Delhi, Delhi, India from November 17-19, 2005.

ASSOCIATION WITH PROFESSIONAL BODIES

Member, **International Federation of Comparative Endocrine Societies (IFCES)**
 Member, **Asia and Oceania Society for Comparative Endocrinology (AOSCE)**
 Life Member, **Indian Society of Comparative Endocrinology (ISCE)**
 Life Member, **Indian Society of Ciliate Biology (ISoCB)**

OTHER ACTIVITIES

Served as / involved in various activities/ positions like Teacher-in-Charge, President- Zoological Society, accompanied students to various local / out-station trips/ ecological trips etc.

- **Participation in Curriculum Restructuring:**

Attended various Curriculum Restructuring/ Syllabus Revision meetings in the Department of Zoology, University of Delhi.

1. **DSE- Basics of Neuroscience** (CBCS LOCF), for B.Sc. Hons. Zoology, University of Delhi, 2019.
2. **DSC- Control and Coordination Systems** (NEP) for B.Sc. Hons. Zoology, University of Delhi, 2022.

- **Corporate Participation at the College Level:**

Performed duties/ contributed to various functions of the college, Examinations, etc.

- **Corporate Participation at the Departmental Level:**

TIC, President- Zoological Society, accompanied students to various local / out-station trips/ ecological trips, etc.

- **Members of Professional Association(s):**

Member of the **International Federation of Comparative Endocrine Societies**,
 Member of the **Asia and Oceania Society for Comparative Endocrinology**,
 Member of the **Indian Society of Comparative Endocrinology**.

Scientific talks organized

- **2012-13:** Organized a **scientific Lecture/ talk** as part of the Inaugural function of the Zoological Society ‘Inheritance’, Dept. of Zoology, ZHDC. **Speaker:** **Prof. Anju Srivastava**, Dept. of Zoology, University of Delhi.
- **2012-13:** Organized a **scientific Lecture/ talk** as part of the activities of the Zoological Society ‘Inheritance’, Dept. of Zoology, ZHDC. **Speaker:** **Prof. Pradeep Kumar Burman**, Dept. of Genetics, University of Delhi South Campus.

STAFF DEVELOPMENT PROGRAMS ATTENDED

Orientation Programs / Refresher Courses:

- **ARPIT-Refresher Course- 2019-** NPTEL, MHRD
- **Refresher Course- 2018-** UGC-HRDC Jawaharlal Nehru University, New Delhi
- **Refresher Course- 2016-** CPDHE (UGC-HRDC), University of Delhi
- **Orientation Course- 2011-** CPDHE (UGC-HRDC), University of Delhi

Summer/ Winter School Workshops:

- **Winter School Program (2018)** organized by UGC-HRDC, Jawaharlal Nehru University, New Delhi.
- **Resource Person** in the DU Pre-Entrance **2-Week Summer School 2017** organized by Institute of Lifelong Learning (ILL), DU from 7-22 June **2017**.
- **Winter School Program (2016)** organized by CPDHE (UGC-HRDC), University of Delhi.

FDPs / Webinars Attended:

- **Online Faculty Development Program (FDP)** on “Environmental Impacts of COVID-19 pandemic: Challenges and Future Research” organized by GGS Indraprastha University, New Delhi from 27th May to 1st June **2020**.
- **Webinar** on “Shift in Paradigm: Online Education”, held on 09th– 11th June 2020 organized jointly by Zakir Husain Delhi College, University of Delhi and Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi.
- Science Academies’ online “**Science Leadership Workshop (SLW)**” organized from June 22 to June 28, **2020**, by Central University of Punjab, Bhatinda, and sponsored by all three premier science academies in the country (Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi, and National Academy of Sciences, India, Allahabad).
- “Gut Check: Exploring Your Microbiome”- Six-week online non-credit course authorized by University of Colorado, Boulder, and University of California, San Diego; and offered through Coursera (April-May **2020**). <https://www.coursera.org/verify/KNBKY64CSDX3>
- “COVID-19 Contact Tracing” – one-week online non-credit course authorized by Johns Hopkins University; and offered through Coursera (July **2020**). <https://www.coursera.org/verify/BDSU4W2LBVMG>
- NPTEL-AICTE Faculty Development Programme (**FDP/ Online MOOCS/ ARPIT course** for University/ College Teachers) in ‘Animal Physiology’ from January to April 2019 by NPTEL, MHRD, GoI, AICTE and IIT Kanpur, **2019**.

Staff training Programs:

- **Resource Person** at the “Science Ambassador 2017” organized by St. Thomas Girls Sr. Sec. School, New Delhi, Desh Bandhu College-DU, and Bio-Rad on 6th November **2017**.
- Participated in the Training Workshop on ‘Drosophila and Zebrafish Model Systems’ organized by Daulat Ram College Star College Project- DBT and Star Innovation Project-DU, Sansriti Foundation from 19-21 December **2016**.
- Participated in the “Training Workshop in Animal Behaviour” organized by Department of Zoology, University of Delhi from August 19-25, **2015**.

- Participated in the Workshop on “Techniques in Biotechnology” by Institute of Life Long Learning (ILL), University of Delhi, and Miranda House, University of Delhi from January 9-12, **2013**.
- Participated in ‘A workshop for teachers on ‘Bioinformatics: Unravelling Genes and Proteins’ organized by D.S. Kothari Centre for R.I.S.E., Miranda House, University of Delhi from 10-15 May **2010**.
- Participated in the “Lecture-workshop in Molecular Endocrinology & Gamete Biology” organized by Indian Institute of Science (IISc), Bangalore at Daulat Ram College, University of Delhi from October 3-4, **2005**.
- Participated the “Hands-on-workshop on Cellular and Molecular Physiology” held at the “All India Institute of Medical Sciences (AIIMS)”, New Delhi, India from November 24-29, **2003**
- Participated in the “Orientation training course on Research Methodology in Reproductive Biomedicine” organized by “National Institute of Health and Family Welfare, Ministry of Health and Family Welfare, Government of India, New Delhi”, from November 9-20, **1998**.