

Faculty Profile For Web

Name	Dr. Nisha Vashishta
Designation	Associate Professor
Department	Zoology
Email	Nisha.vashishta@mirandahouse.ac.in
Mobile No.	91-9968263243

EDUCATION

- Ph.D. (Muscle Physiology), Delhi University, 1998
- M.Phil. (Muscle Physiology), Delhi University, 1993
- M.Sc.(Zoology with specialization in Endocrinology), Delhi University, 1992

Fellowships:

- Australian Leadership Award Fellowship, AusAID, April 2013
- SRF (UGC), 1995-1998
- JRF (UGC), 1993-1995

ADMINISTRATIVE RESPONSIBILITIES

- Teacher-in-Charge ,Department of Zoology 2020-2022
- Coordinator, Internal Quality Assurance Committee(IQAC), Miranda House since December 2020
- Coordinator, Unnat Bharat Abhiyan Cell (UBA), Miranda House since December 2019
- Programme Officer , National Service Scheme (NSS), Miranda House (2017-2019)
- Coordinator, Central Evaluation Cell (CEC), Miranda House (December 2012-2013)
- Deputy Superintendent, Theory Examination, November 2018
- Teacher-in-Charge, Department of Zoology, Miranda House 2009-2011
- Deputy Superintendent, Theory Examination for School of Correspondence (2002-2003)

CAREER PROFILE

- Appointed Lecturer, Dept. of Zoology, Miranda House in 1999
- Promoted to Senior Lecturer, Dept. of Zoology, Miranda House in 2003
- Promoted to Reader, Dept. of Zoology, Miranda House in 2008
- Present Designation: Associate Professor, Dept. of Zoology, Miranda House , 2011 onwards
- Member: Proctorial committee, Miranda House, (2015-2016)
- Convenor: Music, Dance and Choreography Society, Miranda House, (2013-2014)
- Member: Hostel Committee, Miranda House, (2013-2014)

- Member: Sports Committee, Miranda House, (2005-07)
- Member: Spic Macay, Miranda House, (2004-2008)
- Member: Placement Cell, Miranda House, (2004-2008)
- Staff Advisor: NCC Committee, Miranda House, (1999-2002)
- Co-convenor of Zoological Society, Miranda House, (2000-2004)

MEMBERSHIP OF PROFESSIONAL BODIES

- All India Association for Advancing Research in Obesity
- Association of Teachers in Biological Sciences(ATBS)

AREA OF SPECIALIZATION

- Physiology (Topic of thesis: Regenerative Response of the Rat Gastrocnemius Muscle Under Certain Experimentally Induced Stress Conditions Using Various Muscle Model Systems)

PUBLICATIONS

- Vashishta, Nisha and Talesara C.L. *Effect of Thyroidectomy on Fast and Slow Muscle Fibres of Rat Gastrocnemius Muscle*, Ind.J.Exp.Biol. 38: 575-579, 2000.
- Talesara C.L. and Vashishta, Nisha, *Regenerative Ability of Gastrocnemius Muscle under Diabetic Conditions*, Ind.J.Exp.Biol. 38: 567-574, 2000.

BOOKS PUBLISHED

- Kesar S. and Vashishta N. *Experimental Physiology – A Comprehensive Manual* (2007). Heritage Publishers, New Delhi-110002.

WORKSHOPS/SYMPOSIUMS/CONFERENCES ORGANIZED

- Capacity Building Workshop for the teachers to understand the process of collecting ,collating, managing and uploading the data on 22 January 2022
- Coordinator for a lecture series on Yoga and Well being under the aegis of IQAC in collaboration with Science of Spirituality, Unnat Bharat Abhiyaan and Synapse, The Zoology Society, Miranda House on every Sunday Morning since 8 August, 2021.
- Coordinator for a lecture series on Career Counselling: Way Forward under the aegis of IQAC in collaboration with Synapse, The Zoology Society, Miranda House on every Saturday since 7 August, 2021.
- Coordinated the three-day workshop on “NAAC Accreditation: A Changed Perspective” in collaboration with IQAC Cluster India from 1 July, 2021 to 3 July, 2021.
- Coordinated a workshop on OBE Evaluation Modalities on June 9,2021.
- Coordinated the three-day online workshop on “Science Communication” under

- the aegis of Internal Quality Assurance Cell in collaboration with UnnatBharat Abhiyan Cell and Synapse the Zoology Society, Miranda House from 4 February, 2021 to 6 February, 2021.
- Coordinated the two-week online certificate course on “Community Outreach Programme: Together We Can” from 24 August -5 September, 2020 organized by Unnat Bharat Abhiyan Cell, Miranda House, University of Delhi.
 - Organized a webinar on Post Covid 19 Lockdown: Implications and Management” on 20 May 2020 .
 - Organized a workshop on Static and Dynamic Lung Functions in Different Health Conditions on Feb 13,2019.
 - Organized a workshop on International Yoga Day on 21 June,2018.

FACULTY DEVELOPMENT PROGRAMME(FDP)

- Attended an online five-day Faculty Development Programme on Mentoring for Institutional Social Responsibility and Facilitation for Community Engagement organized by Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Education, Government of India from 2 February -6 February 2022.
- Participated in the one week online National Faculty Development Programme on “Development of Teacher’s e-Content” organized by Guru Angad Dev Teaching Learning Centre, a centre under PMMMNMTT, MHRD, Government of India from 12 September – 20 September, 2020
- Attended an online one week Faculty Development Programme on Environmental Impacts of Covid 19 Pandemic: Challenges and Future Research organized by University School of Environment Management, Guru Gobind Singh Indraprastha University from May 27- June 1, 2020.
- Attended online course on Cooperative Learning Pedagogy developed under the UNESCO's OE4BW online mentoring Program-2019 offered by GHG Khalsa College of Education, GurusarSadhar, Punjab (India) from May 22, 2020 to June 18, 2020.

WORKSHOPS/ SYMPOSIUMS/ CONFERENCES ATTENDED

- Participated in an E-Workshop on “Development of Chick and Mouse Embryos: Experiments and Molecular Techniques” Organized by Deshbandhu College 12 March ,2022
- Participated in Online International Conference on Science and Society organized by Miranda House 23-25 February 2022
- Participated in 2nd Undergraduate Teachers’ Workshop on “Understanding Public Health from an Interdisciplinary Perspective” jointly organized by Sri Venkateswara College, University of Delhi and Delhi Effective Education and Pedagogy Cluster (DEEP-C) FROM 7 October and 14 October 2021.
- Attended one day online FDP: Digital Pedagogy and Climate Change: education

across disciplines jointly organized by Sri Venkateswara College, University of Delhi and TROP ICSU on 28 August 2021

- Attended a Workshop on Personality Development and Leadership Skills (LDP-1) conducted by the Centre for Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi during 25th July 2020 to 31st July, 2020.
- Participated in an online National webinar on Entrepreneurship Aspects on Biodiversity Conservation and Indigenous Healing Practices of North East India organized by IBSD Centre, Kalindi College on June 2, 2020.
- Attended a National Webinar on Entrepreneurship Aspects on Biodiversity conservation and indigenous healing practices of North East India organized by IBSD Centre, Kalindi College on June 2, 2020.
- Participated in the webinar on Evolution of science seen from historical perspective organized by Deshbandhu College, University of Delhi on May 12-13, 2020.
- Attended a webinar on training for “Moodle”- An Open Source Learning Management System organized by DBT STAR College, Miranda House from April 22-23, 2020.
- Participated in a National Workshop on Fostering Social Responsibility and Community Engagement in Higher Educational Institutions in India under Unnat Bharat Abhiyan (UBA) organized by University Grants Commission at Inter University Accelerator Centre (IUAC), New Delhi on 21-22 January, 2020
- Participated in the Finalization Workshop on Life –Science Resources for Teachers in Higher Education organized by National Resource Centre for Education, National Institute of Educational Planning and Administration (NIEPA), New Delhi during January 16-17, 2020.
- Attended the inaugural session of the 4th steering committee meeting of Global Snow Leopard and Ecosystem Protection (GSLEP) Programme held at Vigyan Bhawan, New Delhi on 23 September, 2019.
- Attended an Education and Skill Summit 2019 organized by Mail Today on 10 July, 2019.
- Attended a Research Based Pedagogical Tools (RBPT) Workshop for Science Teachers organized by Daulat Ram College in collaboration with IISER Pune from March 25-27, 2019.
- Attended a conclave on Biodiversity for Everyones Life organized by Miranda House in association with Institute of Bioresources and Sustainable Development (IBSD), Manipur on 31 August, 2018.
- Attended a workshop on Catalyzing a Cultural Shift in Youth Entrepreneurship organized by D S Kothari Centre for Research and Innovation in Science Education, Miranda House, University of Delhi in collaboration with Biotechnology Industry Research Assistance Council (BIRAC) on 9 November 2017.
- Attended a workshop on active learning as a transformational tool for the university classroom organized by D S Kothari Centre for Research and Innovation in Science Education, Miranda House, University of Delhi on May 15, 2017.

- Attended a workshop on Women Health and Cancer Awareness organized by Miranda House in collaboration with AOGIN-India and National Institute of Cancer Prevention and Research(ICMR),Noida on April 7, 2017.
- Attended an Undergraduate Science Teachers workshop themed at developing scientific temper in students: tools & techniques organized by Ramjas College, University of Delhi (co-organized by Department of Zoology, Ramjas College and IndiaBioscience, Bengaluru) on January 31,2017.
- Attended a training workshop on Drosophila and Zebrafish Model Systems organized by Departments of Biochemistry and Zoology, Daulat Ram College,University of Delhi on December 19-21,2016
- Attended a Capacity Building Workshop on e-content creation in science organized by Institute of Lifelong Learning ,University of Delhi on September 23,2016.
- Attended “Anubhuti”- Science Film Festival” organised by Ramjas college in collaboration with Vigyan Prasar, Department of Science and Technology and CEMCA, Commonwealth Educational Media Centre for Asia on August 23-24,2016
- Attended a seminar on Need of Animals as Teaching Tools, organized by the Department of Zoology, University of Delhi on June 30, 2016.
- Attended a workshop on Environmental Pollution and Health in Urban Ecosystems, organized by the Department of Botany & Zoology, Shivaji College, University of Delhi and Department of Environmental Studies, North Campus, University of Delhi on June 23, 2016.
- National Symposium on Reproductive health on India: concerns and awareness organized by Department of Zoology, Deshbandhu College on February 12, 2016.
- workshop on Training the Trainers: IPR organized by Miranda House under the aegis of DBT Star College Project in collaboration with MHRD IPR Chair (Technical) on January 15,2016.
- Science Setu workshop on Stem Cell Science and Applications: Hype and Reality organized by Zakir Hussain College on September 22, 2015.
- Workshop on *Cardiovascular Research* organized by Shriram Institute for Industrial Research, Delhi in partnership with AD Instruments, Aug 2, 2013.
- National ASELL Science Workshop organized by University of Sydney, NSW 2006, Australia, April 5-8, 2013.
- UGC-sponsored workshop on *Evaluation Methodology*, organized by CPDHE, Delhi Univ., Nov 8-10, 2012.
- National workshop on *Evolutionary Perspectives in Modern Biological Teaching and Research*, organized by ILL, Delhi Univ. and ANDC, Delhi, May 9-10, 2011.
- Workshop on *Microscopy: Techniques and Applications* organized by Dept. of Botany, Miranda House under DBT Star College Project, Sep 27-28, 2011.
- RGCON 2011 CME organized by Rajiv Gandhi Cancer Institute & Research Centre at IHC, Delhi on Feb 8, 2011.
- National Symposium on *Prevention is better than cure: Ways to Keep the Lifestyle Diseases at Bay* organized by Hindu College, Delhi University, Sep 8-

- 10, 2010.
- National Symposium on *Chemistry in Biology: The Future of Life Sciences*, organized by ANDC at India International Centre, New Delhi, Feb 12-13, 2010
 - National Symposium on *Challenging Areas in Forensic Science*, organized by Forensic Science Unit: Innovating to Combat Crime, SGTB, Delhi University, Feb 5, 2010
 - Workshop on *Art and Science of Paper Recycling*, organized by Miranda House, Jan 22-23, 2010.
 - Workshop on The fascinating world of e- resources for teaching biology to undergraduate students, Daulat Ram College, Univ. of Delhi, 8 March 2010
 - ICT Workshop on *Capacity Building* for Delhi University Faculty, organized by ILL (Workshop Tier II), Jan 11-16, 2010.
 - Training course on *Application of Research Techniques in Reproductive Biomedicine*, held at NIHF, New Delhi, November 16-27, 2009.
 - Workshop and projects on computer interfaced experiments in Biological Sciences, organized by DSKC, Miranda House, Delhi University, April 16-21, 2009.
 - Attended the supported blended learning workshop under the UK-India Education and Research Initiative, under the UK India Education and Research Initiative, Nov. 5-7, 2008.
 - National Symposium on *Comparative Endocrinology and Reproductive Physiology: Retrospect and Prospect*, Indian Society for Comparative Endocrinology, organized by Department of Zoology, Delhi University, Nov. 17-19, 2005.
 - Lecture-Workshop in *Molecular Endocrinology & Gamete Biology*, organized by Daulat Ram College, Delhi University, Oct 3-4, 2005
 - National workshop on *Bioinformatics and Computational Biology*, organized by the Dept. of Biochemistry, Sri Venkateswara College, Delhi University, April 18-22, 2005
 - National Symposium on “*Biotechnology: Expanding Horizons*”, held organized by ANDC, at INSA auditorium, Delhi. Oct. 17-18, 2003.
 - Symposium on “*How Safe is ‘Safe’ Drinking Water?*” organized by Dept of Environmental Biology, School of Environmental Studies, Delhi University.
 - Two-week training programme on *Introduction to PC’S and related software* organized by Delhi University Computer Centre, Delhi University.
 - Short course on *Biostatistics* organized by the Dept of Zoology, Delhi University
 - Workshop on *Electron Microscopy* organized by the University Science Instrumentation Centre, Delhi University.
- UGC-sponsored courses in Zoology at CPDHE, Delhi University:
 1. Refresher Course, April 12-May 2, 2001.
 2. Orientation Course, March 14-April 10, 2002.

3. Refresher Course, Dec 26- Jan 17, 2003.
4. Refresher Course Dec 20- Jan 9, 2006.
5. Refresher Course Nov 20-Dec 9, 2006.

SYNERGY (work with other organizations outside the college)

- Member in organizing committee in the DBT and AOGIN-India sponsored workshop organized by the Department of Zoology, Miranda House, University of Delhi, In collaboration with AOGIN-India and National Institute of Cancer Prevention and Research (ICMR), Noida on April 7, 2017.
- Worked as a resource person in the BRIDGE COURSE on LABORATORY INSTRUMENTATION: PRINCIPLE, USAGE AND APPLICATION held from 9-12th August 2016 organized at Department of Zoology, Miranda House, University of Delhi.
- Member: committee for workshop on Eco-friendly Dyeing and Finishing of Textiles organized by the Department of Zoology, Miranda House, University of Delhi on October 6, 2015.
- Member of organizing committee for workshop on Bioinformatics and Biostatistics: An Introduction organized by the Department of Zoology, Miranda House, University of Delhi on February 25, 2016.
- Member: sub-committee for framing syllabus of B.Sc. (Hons.) Zoology, Paper ZOHT 304 and 405: *Physiology and Functional Histology*, Delhi University, (2013-2014)
- Member of syllabus revision committee of B.Sc. (Hons.) Zoology, Paper VI *Physiology and Functional Histology*, Delhi University, (2004)
- Member of syllabus revision committee of B.Sc. (Gen.) Group B –Paper I *Non-Chordata*, Delhi University
- Co-convenor: Add-on course on *Energy and Environment* at Miranda House in association with School of Environmental Studies, Delhi University
- Member: organizing committee of the workshop for teachers of the Biology Laboratory course (LS-206) In association with ILL and DSKC, Miranda House,
- Helped to organize Free Health Check-Up Camps for Mass Screening of Tuberculosis, Diabetes and Obesity in association with Macleods Pharma, Cipla Pharma and Franco-Indian Pharma at Vinayak Polyclinic and Diagnostic Centre