

## CURRICULUM VITAE

**Name** : DR. SHALIE MALIK  
**Designation** : Associate Professor  
**Institutional Address** : Department of Zoology, University of Lucknow, Lucknow - 226007, India  
**Date of Birth** : 01 December 1975

### **Academic qualifications:**

2003: Ph.D. University of Lucknow, Lucknow, UP, India  
1998: M.Sc. (Zoology), University of Lucknow, Lucknow, UP, India  
1996: B.Sc., Isabella Thoburn College, University of Lucknow, Lucknow, UP, India

### **Accomplishments including awards and honors:**

#### **a) As faculty**

2020: Coordinator, Dr. Giri Lal Gupta Institute of Public Health & Public Affairs, University of Lucknow, Lucknow  
2019-2022: Treasurer, Indian Society for Chronobiology  
2018: Visiting Scientist, Department of Biological Sciences, Alabama State University, Alabama, USA  
2018: SERB Travel Award for International Ornithological Congress 2018, Vancouver, Canada  
2018: Organizing Secretary of International Symposium on Current Trends in Biological Sciences, Department of Zoology, University of Lucknow, Lucknow  
2017: Judge, MSM/TU/UAB Cancer Partnership Cancer Research Symposium, Marriott Auburn Opelika Hotel and Conference Center at Grand National Robert Trent Jones Trail, Alabama, USA  
2017-2019: Executive Member, Indian Society for Chronobiology  
2017: Chairperson, in a session in International Symposium on Biological Timing and Health Issues in the 21<sup>st</sup> Century, Delhi  
2016-2017: UGC Raman Post-Doctoral Fellow (worked at CBRT, Alabama State University, USA from October 2016 - October 2017)  
2015: Invited Faculty in DST 2<sup>nd</sup> and 3<sup>rd</sup> SERB Schools in Avian Biology  
2015: Chairperson, in a session in XXV National Symposium on Chronobiology, Raipur  
2014: Judge, in a session in National Conference on Bioengineering & Biotechnology, Amity University, Lucknow  
2012: Convener in Outreach activity in Chronobiology (a DST sponsored activity “National Council For Science and Technology Communication”) New Delhi  
2012: Certificate of Appreciation for assistance in the UGC SAP (DRS-I) program  
2011-2014: Young Scientist Project by Council of Science and Technology, U. P.  
2007-2014: Invited Faculty in DST-SERB Schools in Chronobiology

#### **b) As student**

2004-2005: CSIR Research Associateship  
2002-2003: CSIR Senior Research Fellowship  
2001-2002: DST-DAAD Fellowship  
1999-2001: DST Junior Research Fellowship  
2000: IInd prize, Paper Presentation, National Symposium on Chronobiology, Gulbarga University, Gulbarga  
1998: Merit certificate in M.Sc. (First position in Zoology, University of Lucknow)  
1995: Dr. E. M. Thillayampalam Scholarship in B.Sc. III  
1994: Sarah Chakko Award in B.Sc. II  
1992: Merit certificate in Intermediate (topped at district level)

**c) As Ph.D. supervisor**

- Ms. Amrita Srivastava, worked as JRF/ SRF (DST research project) and awarded Ph.D., now working as Postdoctoral fellow at Department of Pharmaceutics, IIT (BHU), Varanasi.
- Ms. Garima Yadav, worked as Project Fellow (UGC-MRP) and awarded Ph.D., bagged best poster award in the EUCLOCK meeting (is an Integrated Project funded by the European Commission) 2010 at Bangalore and now working as Postdoctoral Fellow at University of Antwerp, Belgium.
- Ms. Pragya Verma working as SRF (ICMR), bagged best oral presentation award and travel award in the 5<sup>th</sup> World Congress of Chronomedicine (WCC 2019) held at Rishikesh, Uttarakhand, from 18-19 October 2019.
- Ms. Preeti Gupta
- Ms. Asma Naseem
- Ms. Khushboo Chaturvedi
- Ms. Jyoti Tiwari

**Teaching experience:** ~ 15 years (since September 2005)

**Research Experience:** > 21 years (including predoctoral)

**Major research focus:** Reproductive Endocrinology and Chronobiology in Birds

**Research Publications:**

- Research Papers : 39
- Review article : 03
- Book Chapter : 01
- Popular Article : 03

**Research guidance:** Students working: 05, Degree awarded: 02

**Research Projects:**

*Principal Investigator*

- 2015-2018: “Localization and expression of Opsin (Melanopsin Opn4) in the avian system” from University Grants Commission, New Delhi (Rs. 10.53 Lac)
- 2011-2014: “Role of temperature in regulation of circadian and seasonal responses in birds” from Council of Science and Technology, U.P. (Rs. 6.36 Lac)
- 2009-2012: “Role of GnIH in regulation of seasonal breeding in photoperiodic and non-photoperiodic birds” from the Department of Science and Technology, New Delhi (Rs. 38.38 Lac)
- 2009-2012: “Spectral sensitivity of the circadian system in the migratory bunting” from University Grants Commission, New Delhi (Rs. 8.41 Lac)

*Co-investigator*

- 2016-2019: Effect of climate change on breeding strategy of songbirds, Twinning Grant from Department of Biotechnology, New Delhi (Rs. 62.01 Lac)
- 2013-2018: Anticipation in genes: Molecular, physiological and behavioral correlates of response of circa-annual clocks to seasons in night-migratory song birds, Department of Biotechnology, New Delhi (Rs. 1.13 Crore)

**Research training and expertise:**

- Standard techniques used for activity rhythm recordings
- Laparotomy and other approaches (castration, ovariectomy, thyroidectomy, pinealectomy, implantation of hormone capsules etc.)
- High Performance Liquid Chromatography (HPLC) for Melatonin hormone
- Immunohistochemical techniques, *in-situ* hybridization, Cell culture, Western blotting

**Visits abroad:**

- April 24-28, 2019: V World Congress on Chronobiology and JBR-SAGE Symposium on Chronobiology, Suzhou, China
- August 27-October 11, 2018: Visiting Scientist, Department of Biological Sciences, Alabama State University, Alabama, USA
- August 19-26, 2018: International Ornithological Congress, Vancouver, Canada
- July 26, 2017: MSM/TU/UAB Cancer Partnership Cancer Research Symposium, Marriott Auburn Opelika Hotel and Conference Center at Grand National Robert Trent Jones Trail, Alabama, USA
- June 1, 2017: 3<sup>rd</sup> Annual ASU-UAB Comprehensive Cancer Center Bioethics Workshop, Alabama State University, Montgomery, Alabama, USA
- May 12-16, 2017: Immunology 2017, Washington DC, USA
- March 15-16, 2017: Annual Research Symposium, Alabama State University, Montgomery, Alabama, USA
- October 2016-October 2017: UGC Raman Post-Doctoral Fellow at Alabama State University, Montgomery, Alabama, USA
- October 2015: Biological Rhythms: Cold Spring Harbor Asia Conference, China
- June 2012: X International Symposium on Avian Endocrinology, Gifu, Japan
- July 2008: IX International Symposium on Avian Endocrinology, Leuven, Belgium
- November 2001-February 2002: DST-DAAD short-term training at Max-Planck Institute for Ornithology, Andechs, Germany

**Participation in the scientific meetings/ conferences/ symposia/ seminar:**

International: 20; National: 27

**Membership of scientific societies:**

- Member of the Institutional Human Ethics Committee (IEC), University of Lucknow
- Member of the Institutional Animal Ethics Committee (IAEC), University of Lucknow
- Annual member of the International Ornithologists' Union
- Trainee Member of The American Association of Immunologists (AAI), USA
- Life Member, Association of Avian Biologists in India
- Life Member, Indian Science Congress Association
- Life member, Indian Society for Chronobiology
- Life member, Society for Reproductive Biology and Comparative Endocrinology
- Life Member, Foundation of Natural Science and Culture

**Peer review duties:**

- Reviewer of grant applications
- Research papers

**Administrative responsibility:**

- Executed responsibilities in the department as and when asked by Head of the Department
- Member, Board of Directors, Lucknow University Teachers Cooperative Society
- Secretary, Delegacy, University of Lucknow, Lucknow
- Treasurer, Indian Society for Chronobiology, 2019-2022
- Executive Member, Indian Society for Chronobiology, 2017-2019
- Member DST-PURSE Project Implementation Group, Faculty of Science, University of Lucknow, Lucknow
- Member, National Advisory Board, International Symposium on Biological Rhythms; Meerut, March 11-13, 2019
- Member, Organizing Committee, Impact of Environmental Xenobiotics on Human Health and Biodiversity; Department of Zoology, University of Lucknow, March 30-31, 2018
- Organizing Secretary, Current Trends in Biological Sciences, Department of Zoology, University of Lucknow, Lucknow, March 27-28, 2018
- Member, National Organizing Committee, International Symposium on Biological Timing and Health Issues in the 21<sup>st</sup> Century; Delhi, 2017
- Member of the Institutional Human Ethics Committee (IEC), University of Lucknow
- Member of the Institutional Animal Ethics Committee (IAEC), University of Lucknow
- Assistant Proctor of the University of Lucknow from September 2015 to December 2016
- Member in various departmental committees: Placement committee, Grievance committee, Alumni committee and Cultural committee
- Served as member of Local Organizing Committee of International Congress on Chronobiology; Delhi, 2012
- Served as Treasurer for “Symposium on Functional Biology: Comparative Aspects”; DST-IRHPA Center for Excellence in Biological Rhythm Research, Department of Zoology, University of Lucknow, Lucknow, March 19-21, 2009
- Assistant Provost for University hostel from October 2005- June 2010

**Contribution to corporate life and management of the department and institution:**

- Coordinator, Dr. Giri Lal Gupta Institute of Public Health & Public Affairs, University of Lucknow, Lucknow
- Active participation in the formulation of M. Sc. Zoology Syllabus based on CBCS, 2020
- Local Coordinator, DST-NCSTC sponsored Motivational Program for Science Students and Teachers of Uttar Pradesh, SKD Academy, Lucknow, October 14-18, 2019
- Subject Expert of the screening and evaluation committee under Career Advancement Scheme, BSNV College, Lucknow
- Member of the Inspection Committee of Associated College of University of Lucknow; Charak Institute of Engineering, Lucknow
- Outreach activity on “Biological Clocks and Health”, An Exhibition cum Interaction Programme, Faculty of Law, University of Lucknow, Lucknow, September 30, 2019
- Outreach activity on “Environmental, Law & Concerns”, SKD Academy, Vrindavan Yojana, Lucknow, February 21, 2019
- Active participation in the formulation of B. Sc. Zoology Syllabus based on CBCS, 2019
- Outreach activity on “Circadian Rhythms, Life Style and Health”, Army Public School, LBS Marg, Lucknow Cantonment, Lucknow, September 12, 2016