

CURRICULUM VITAE

- 1. Name** : DR. SHALIE MALIK
2. Designation : Professor
3. Institutional Address : Department of Zoology, University of Lucknow,
Lucknow-226 007, India
4. Whether belongs to SC / ST : No
5. Date of Birth : December 1, 1975
6. Academic qualifications:

Exam./Degree	Board/University	Year	Div.	% Marks	Subjects
High School	C.B.S.E.	1990	I	67.6	Hindi, Eng., Maths Science, S. Science
Intermediate	U.P. Board	1992	I	74.8	Hindi, Eng., Physics, Chemistry, Biology
B.Sc.	Lucknow University	1996	I	69.8	Zoology, Botany, Chemistry
M.Sc.	Lucknow University	1998	I	75.3	Zoology
Ph. D**	Lucknow University	2003	-	-	Zoology

** Topic: "Spectral sensitivity of the photoperiodic clock in the blackheaded bunting (*Emberiza melanocephala*) Scopoli"

7. Academic Appointments:

- 2019-Present: Professor, Department of Zoology, University of Lucknow
- 2016-2019: Associate Professor, Department of Zoology, University of Lucknow
- 2014-2016: Assistant Professor (Stage III), Department of Zoology, University of Lucknow
- 2009-2014: Lecturer Senior Scale, Department of Zoology, University of Lucknow
- 2005-2009: Lecturer, Department of Zoology, University of Lucknow

8. Administrative Appointments:

- 2020-Present: Coordinator, Dr. Giri Lal Gupta Institute of Public Health & Public Affairs, University of Lucknow, Lucknow
- 2015-2016: Assistant Proctor of the University of Lucknow
- 2005-2010: Assistant Provost for University hostel
- 2005-Present: Executed responsibilities in the department as and when asked by Head of the Department

9. Scientific training appointments:

- 2018: Visiting Scientist, Alabama State University, Montgomery, AL USA
- 2016-2017: Raman Postdoctoral Fellow, UGC, India (Visited Alabama State University, Montgomery, AL, USA)
- 2004-2005: Research Associate, CSIR, New Delhi
- 2001-2002: DST-DAAD Fellow, (Visited Max-Planck Institute For Ornithology, Andechs, Germany)

10. Leadership/organizational roles at local/state/national/international level:

- 2018-Present: Member, Board of Directors, Lucknow University Teachers Cooperative Society
- 2017-Present: Secretary, Delegation, University of Lucknow, Lucknow
- 2019-2022: Treasurer, Indian Society for Chronobiology
- 2017-2019: Executive Member, Indian Society for Chronobiology
- 2017-2019: Member DST-PURSE Project Implementation Group, Faculty of Science, University of Lucknow, Lucknow
- February 24-27, 2021: Organizing Secretary, Mission Shakti 'Health Awareness Programme: Healthy Women, Healthy Society', Dr. Girilal Gupta Institute of Public Health & Public Affairs, University of Lucknow, Lucknow
- December 03-04, 2020: Organizing Secretary, Mission Shakti 'Let Us Be Part of The Solution,' Department of Zoology, University of Lucknow, Lucknow
- November 18-24, 2020: Organizing Secretary, Centenary Lecture Series, Department of Zoology, University of Lucknow, Lucknow
- March 11-13, 2019: Member, National Advisory Board, International Symposium on Biological Rhythms, Meerut
- March 30-31, 2018: Member, Organizing Committee, Impact of Environmental Xenobiotics on Human Health and Biodiversity; Department of Zoology, University of Lucknow
- March 27-28, 2018: Organizing Secretary, Current Trends in Biological Sciences, Department of Zoology, University of Lucknow, Lucknow
- 2017: Member, National Organizing Committee, International Symposium on Biological Timing and Health Issues in the 21st Century, Delhi
- 2012: Convener, Outreach activity in Chronobiology (a DST sponsored activity "National Council For Science and Technology Communication") New Delhi
- 2012: Member, Local Organizing Committee, International Congress on Chronobiology, Delhi
- March 19-21, 2009: Treasurer, "Symposium on Functional Biology: Comparative Aspects"; DST-IRHPA Center for Excellence in Biological Rhythm Research, Department of Zoology, University of Lucknow, Lucknow

11. Committee Services at University of Lucknow:

- Member, Institutional Animal Ethics Committee (IAEC), University of Lucknow
- Member, Faculty Board of Science
- Member, Board of Studies, Department of Zoology
- Member, Departmental Research Committee
- Member, various departmental committees: Placement committee, Grievance committee, Alumni committee, and Cultural committee

12. Awards and honours:

a) As faculty

- 2020-2021: 'PROTSAHAN Award', University of Lucknow, Lucknow
- 2020-2021: 'UDDEEPAN Award', University of Lucknow, Lucknow
- 2021: Judge, Data blitz and poster session in International Conference on Chronobiology 2021, JNCASR, Bangalore, Karnataka
- 2021: Chairperson, in a session in Virtual Annual Research Frontier Symposium, Alabama State University, USA
- 2021: Resource person, Guru Dakshita, UGC-Human Resource Development Centre, University of Lucknow, Lucknow
- 2019-2020: 'ACCLAIM Award', University of Lucknow, Lucknow
- 2019-2020: 'PROTSAHAN Award', University of Lucknow, Lucknow

- 2019-2020: ‘UDDEEPAN Award’ , University of Lucknow, Lucknow
- 2018-2019: ‘UDDEEPAN Award’ , University of Lucknow, Lucknow
- 2018: SERB Travel Award for International Ornithological Congress 2018, Vancouver, Canada
- 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: Chairperson, in a session in International Symposium on Biological Timing and Health Issues in the 21st Century, Delhi
- 2015: Invited Faculty in DST 2nd and 3rd SERB Schools in Avian Biology
- 2015: Chairperson, in a session in XXV National Symposium on Chronobiology, Raipur
- 2014: Judge, in a session at National Conference on Bioengineering & Biotechnology, Amity University, Lucknow
- 2012: SERB Travel Award for X International Symposium on Avian Endocrinology, Gifu, Japan
- 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

- 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, Lucknow University)
- 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

- **Dr. Amrita Srivastava**, worked as JRF/ SRF (DST research project) and was awarded Ph.D. in 2015, now working as a Postdoctoral fellow at the Department of Pharmaceutics, IIT (BHU), Varanasi.
- **Dr. Garima Yadav**, worked as Project Fellow (UGC-MRP) and was awarded Ph.D. in 2016, bagged the best poster award in the EUCLOCK meeting (is an Integrated Project funded by the European Commission) 2010 at Bangalore, and now working as a Postdoctoral Fellow at University of Antwerp, Belgium.
- **Dr. Pragya Verma** working as SRF (ICMR), bagged best oral presentation award and travel award in the 5th World Congress of Chronomedicine (WCC 2019) held at Rishikesh, Uttarakhand, from 18-19 October 2019.
- **Dr. Preeti Gupta**, who worked as UGC-BSR fellow, was selected for ICMR- RA, 2022.
- **Ms. Asma Naseem**, worked as Project Fellow (UGC Major Research project) 2016-2019, qualified CSIR JRF, 2017.
- **Ms. Khushboo Chaturvedi**, worked as DBT JRF 2016-2019, bagged best poster award in the National Symposium on Avian Biology, Mizoram University, Aizawl, 22-24 October 2018, and qualified GATE 2019 with AIR 633 and winner of INSA-SERB essay on “Our lives and the sciences: During and after the pandemic,” 2022.
- **Ms. Jyoti Tiwari**, research scholar, was selected for DST-AWSAR Award for her popular science story, 2019.

13. **Teaching experience:** > 16 years (since September 2005)

14. **Research Experience:** > 23 years (including predoctoral)

15. **Area of Current research:** Endocrinology, Biological Clocks & Seasonality

16. **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: 3rd 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 26-30, 2015: Biological Rhythms: Cold Spring Harbor Asia Conference, China
- June 05-09, 2012: X International Symposium on Avian Endocrinology, Gifu, Japan
- July 11-15, 2008: IX International Symposium on Avian Endocrinology, Leuven, Belgium
- November 10, 2001-February 03, 2002: DST-DAAD short-term training at Max-Planck Institute for Ornithology, Andechs, Germany

17. **Research Publications** (List appended at the end)

- Research Papers Published : 53 ; Under review : 02
- Book Chapters : 02
- Conferences Attended : 55

Citations	763
h-index	16
i10-index	24
RG Score	30.60
Total Impact Factor	133.269

18. **Research supervision:** Ph. D. degree Awarded : 02
Defended Thesis : 02
Ready to defend Pre Ph. D. : 01
Registered for Ph. D. : 03
Dissertation awarded : 01
Registered for dissertation : 02

19. **Research Projects:**

Principal Investigator

- 2022-2025: “Circannual timekeeping mechanism: Molecular correlates of circannual rhythm regulating gonad development in a passerine bird, *Lonchura punctulata*.” from Science and Engineering Research Board, New Delhi. (Rs. 65.14 Lac)

- 2021-2024: “Daily patterns of clock related physiology and behavior in young students” from Council of Science and Technology, U.P. (**Rs. 11.94 Lac**)
- 2021-2022: “Illuminated nights: The unrevealed pollution compromising sleep and immune responses” from Higher Education, State Government, Uttar Pradesh under Research and Development Scheme (**Rs. 4.82 Lac**)
- 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**)
- 2013-2019: Anticipation in genes: Molecular, physiological and behavioral correlates of response of circa-annual clocks to seasons in night-migratory songbirds, Department of Biotechnology, New Delhi (**Rs. 1.13 Crore**)

20. Research training and expertise:

- Standard techniques used for activity rhythm recordings
- Laparotomy and other conventional approaches (castration, ovariectomy, pinealectomy, implantation of hormone capsules, etc.) are used for studying seasonal reproduction
- High-Performance Liquid Chromatography (HPLC) for Melatonin hormone
- Immunohistochemical techniques, *in-situ* hybridization, Cell culture, Western blotting
- Image analysis and other computer-assisted techniques used in our research
- Flow cytometry, Microscopy, ELISA

21. Peer review duties:

- Reviewer of grant applications from SERB, CST
- Reviewer of research papers from peer reviewed journals like Environmental pollution, Chronobiology International, Photochemical and Photobiological Sciences, Journal of Circadian Rhythms, Biological Rhythm Research.

22. Membership of scientific societies:

- Member, Public Communication of Science and Technology (PCST)
- Annual member, International Ornithologists' Union
- Trainee Member, 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

23. Participation in the scientific meetings/ conferences/ symposia/ seminar:

International

- 2022: International Virtual Conference on Recent Trends in Animal Sciences, BHU, India
- 2021: Annual Seasonality Symposium, University of Glasgow, UK (virtual)
- 2021: ICC 2021, International Conference on Chronobiology - Time in the living world, JNCASR, Bangalore, Karnataka (virtual)
- 2021: Public Communication of Science and Technology 2020+1, University of Aberdeen, Scotland, UK (virtual)
- 2021: International Colloquium on Regulatory Mechanisms underlying Behavior, Physiology, and Development, Delhi (virtual)
- 2021: Virtual Annual Research Frontier Symposium, Alabama State University, USA
- 2020: Annual Seasonality Symposium, University of Glasgow, UK (virtual)
- 2019: V World Congress on Chronobiology, Suzhou, China
- 2019: JBR-SAGE Symposium on Chronobiology, CAM-SU Genomic Resource Center, Soochow University, Suzhou, China
- 2019: International Symposium on Biological Rhythms in conjunction with the Biennial Meeting of Indian Society for Chronobiology, CCS University, Meerut, (India)
- 2018: International Ornithological Congress, Vancouver, Canada
- 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
- 2017: Annual ASU-UAB Comprehensive Cancer Center Bioethics Workshop, Alabama State University, Montgomery, Alabama, USA
- 2017: Immunology 2017, Walter E. Washington Convention Center, Washington DC, USA
- 2017: International Symposium on Biological Timing and Health Issues in the 21st Century, University of Delhi, Delhi, (India)
- 2016: International Symposium on Integrative Physiology and Comparative Endocrinology, Banaras Hindu University, Varanasi, (India)
- 2015: An International Symposium on Neuropeptides and Neurotransmitters: Role in Physiology and Pathophysiology and ‘Second meeting of Indian Sub-continental branch of the International Neuropeptide Society’, NISER, Bhubaneswar, (India)
- 2015: Biological Rhythms: Cold Spring Harbor Asia Conference, Suzhou, (China)
- 2013: Intl. Conference on Comparative Endocrinology and Physiology; Nagpur, (India)
- 2012: International Congress on Chronobiology; University of Delhi, Delhi, (India)
- 2012: X International Symposium on Avian Endocrinology; Gifu, (Japan)
- 2011: International Conference on Indian Ornithology, Salim Ali Centre for Ornithology and natural history, Coimbatore, Tamil Nadu (India)
- 2011: International Symposium on Current Trends in Endocrine and Reproductive Health and 29th Annual Meeting of the Society for Reproductive Biology and Comparative Endocrinology, University of Mysore, Mysore, (India)
- 2009: Symposium on Functional Biology: Comparative Aspects; in conjunction with ‘Second meeting of the Indian subcontinent branch of the International Neuropeptide Society’ & ‘Annual UGC-SAP (DRS) seminar on Chronobiology of birds/ Biological clocks and seasonal breeding’, University of Lucknow, Lucknow
- 2008: IX International Symposium on Avian Endocrinology; Leuven, (Belgium)
- 2004: International conference on Bird & Environment, Gurukul Kangri University, Haridwar, (India)
- 2000: VII International Symposium on Avian Endocrinology; Banaras Hindu University, Varanasi, (India)

National

- 2021: Rhythm - 2021, Indian Society of Chronomedicine, Department of Physiology, KGMU, Lucknow (virtual)
- 2019: A workshop on Time, Brain, and Behaviour, CCS University, Meerut
- 2019: National Symposium on Biotech breakthrough in clinical research and diagnostics (BBCRD-2019), Amity University, Lucknow Campus, Lucknow
- 2016: XXVI National Symposium on Chronobiology, University of Mysore, Mysuru
- 2015: 3rd SERB School in Avian Biology; North-Eastern Hill University, Shillong
- 2015: Seminar on Harnessing IPR in Uttar Pradesh, Council of Science & Technology, Lucknow
- 2015: XXV National Symposium on Chronobiology, Pt. Ravishankar Shukla University, Raipur
- 2015: 2nd SERB School in Avian Biology; Gurukul Kangri University, Haridwar
- 2014: SERB School in Chronobiology III: Clocks, Rhythms, and Behaviour; Mangalore University, Mangalore
- 2014: National Symposium on Behavioural Ecology: molecules to organisms, Banaras Hindu University, Varanasi
- 2014: National Conference on Bioengineering & Biotechnology, Amity University, Lucknow Campus, Lucknow
- 2013: BPCON, 23rd Annual Meeting of Indian Society of Hypertension, K.G. Medical University, Lucknow
- 2013: SERB School in Chronobiology III: Clocks, Rhythms, and Behaviour; Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore
- 2012: SERB School in Chronobiology III: Clocks, Rhythms, and Behaviour; North-Eastern Hill University, Shillong
- 2012: XXIII National Symposium on Chronobiology and Seminar on Diversity and Physiology of Desert Fauna; JNV University, Jodhpur (India)
- 2011: SERC School in Chronobiology II: Clocks, Rhythms, and Behaviour; CCS University, Meerut
- 2011: Seminar on Role of IPR in Business Perspectives, Council of Science & Technology, Lucknow
- 2011: Annual UGC-SAP (DRS) Symposium; University of Lucknow, Lucknow (India)
- 2011: XXII National Symposium on Chronobiology; Kurukshetra University, Kurukshetra (India)
- 2010-2011: SERC School in Chronobiology II: Clocks, Rhythms, and Behaviour; University of Delhi, Delhi
- 2009: SERC School in Chronobiology II: Clocks, Rhythms, and Behaviour; North-Eastern Hill University, Shillong
- 2008: SERC School in Chronobiology II: Clocks, Rhythms, and Behaviour; Lucknow University, Lucknow
- 2007: Fifth School Chronobiology; Department of Zoology, CCS University, Meerut
- 2006: XXIX All India Cell Biology Conference & Symposium on Gene to Genome: Environment and Chemical Interaction; Industrial Toxicology Research Centre, Lucknow
- 2005: XXIII National Symposium on Reproductive Biology and Comparative Endocrinology; Visva-Bharati, Santiniketan
- 2003: XV National Symposium on Chronobiology; Pt. Ravishankar Shukla University, Raipur
- 2002: DST-SERC School in Chronobiology; University of Lucknow, Lucknow
- 2000: National Symposium on Chronobiology; Gulbarga University, Gulbarga

24. Participation in Training, UGC Orientation/ Refresher Course, Workshops:

- 2020: Online non-credit 6 weeks course on ‘Circadian clocks: how rhythms structure life’,

authorized by Ludwig-Maximilians-Universität München (LMU) and offered through Coursera

- 2018: UGC-Sponsored Short-term Course in Disaster Management, HRDC, University of Lucknow, Lucknow
- 2016-2017: UGC Raman Post-Doctoral Fellow at Alabama State University, Alabama, USA
- 2016: UGC-Sponsored Short-term Course in Innovative Teaching and Evaluation Strategies, HRDC, University of Lucknow, Lucknow
- 2015: UGC-Sponsored Winter School, HRDC, University of Lucknow, Lucknow
- 2014: ICMR-Sponsored hands-on workshop on In-Situ Hybridization at National Institute of Pathology, Safdarjung Hospital Campus, New Delhi
- 2014: Training Programme on Biodiversity & Its Conservation, sponsored by U.P. State Biodiversity Board, Lucknow
- 2014: UGC-Sponsored Refresher Course in Zoology, ASC, University of Lucknow, Lucknow
- 2013: Workshop on Formulation of Winning Competitive Grant Proposals, organized by U.P. Council of Agricultural Research, Lucknow
- 2013: UGC-Sponsored Special Summer School- Refresher Course, ASC, University of Lucknow, Lucknow
- 2011: Government of Uttar Pradesh Professional Development Course organized by UGC, ASC, University of Lucknow, Lucknow
- 2008: UGC-SAP sponsored short term training for HPLC, Delhi University, New Delhi
- 2007: UGC-Sponsored Orientation Programme, ASC, University of Lucknow, Lucknow
- 2005: Training programme on Genomics & Proteomics Approaches for Drug Development, sponsored by Department of Biotechnology, Govt. of India at Biotech Park, Lucknow
- 2002: DST-DAAD short-term training at Max-Planck Institute for Ornithology, Andechs, Germany

25. Contribution to corporate life and management of the department and institution:

- 2021: Coordinator, subject expert committee for the formulation of UG Zoology Syllabus based on National Education Policy (NEP), 2020
- 2021: Member, formulation committee of M. Sc. Zoology Syllabus based on National Education Policy (NEP), 2020
- 2021: Chairperson, formulation committee of Masters in Public Health (MPH) Syllabus based on National Education Policy (NEP), 2020
- October 5, 2021: Member, Inspection Committee of Associated College of University of Lucknow; Dr. Ram Manohar Lohia Degree College, Hardoi
- 2020: Member of the formulation committee of M. Sc. Zoology Syllabus based on CBCS
- 2020-Present: Member DQAC, Department of Zoology and Dr. Giri Lal Gupta Institute of Public Health & Public Affairs, University of Lucknow, Lucknow
- October 14-18, 2019: Local Coordinator, DST-NCSTC sponsored Motivational Program for Science Students and Teachers of Uttar Pradesh, SKD Academy, Lucknow
- February 5, 2019: Subject Expert of the screening and evaluation committee under Career Advancement Scheme, BSNV College, Lucknow
- May 30, 2019: Member, Inspection Committee of Associated College of University of Lucknow; Charak Institute of Engineering, Lucknow
- September 30, 2019: Outreach activity on “Biological Clocks and Health”, An Exhibition cum Interaction Programme, Faculty of Law, University of Lucknow, Lucknow
- February 21, 2019: Outreach activity on “Environmental, Law & Concerns”, SKD Academy, Vrindavan Yojana, Lucknow
- 2019: Member of the formulation committee of B. Sc. Zoology Syllabus based on CBCS
- September 12, 2016: Outreach activity on “Circadian Rhythms, Life Style and Health”, Army Public School, LBS Marg, Lucknow Cantonment, Lucknow

DETAILS OF PUBLICATIONS

ORIGINAL RESEARCH ARTICLES

1. Yadav A, Kumar R, Tiwari J, Vaish V, **Malik S** and Rani S. (2022). Effect of artificial light at night on sleep and metabolism in weaver birds. ISSN: 2193-7206, Environmental Science and Pollution Research, DOI: 10.1007/s11356-022-20875-x. ISSN: 0944-1344, **IF 4.223**
2. Gupta P, Sinha A, **Malik S** and Rani S. (2022). Dawn and dusk chorus as a potential zeitgeber. Biological Rhythm Research. doi/full/10.1080/09291016.2022.2069646. ISSN: 0929-1016. **IF 1.219**
3. **Malik S**, Stokes III J, Manne U, Singh R and Mishra MK. (2022). Understanding the significance of biological clock and its impact on cancer incidence. Cancer Letters. 527: 80-94. <https://doi.org/10.1016/j.canlet.2021.12.006>, ISSN: 0304-3835. **IF 8.679**
4. Kumar J, **Malik S**, Bhardwaj SK and Rani S. (2021). Impact of light at night is phase dependent: A study on migratory redheaded bunting (*Emberiza bruniceps*). Frontiers in Ecology and Evolution. ISSN: 2296-701X. **IF 4.171**
5. Dwivedi A, **Malik S** and Rani S. (2021). The unlock consequences: Changes in daily behaviors and mental health in Indian population during the second wave of COVID-19. Sleep Science. ISSN: 1984-0063. **IF 1.615**
6. Sharma A, Das S, Sur S, Tewari J, Chaturvedi K, Agarwal N, **Malik S**, Rani S and Kumar V. (2021). Photoperiodically driven transcriptome-wide changes in blood and hypothalamus reveal transcriptional differences between crucial life-history states in migratory songbirds. Scientific Reports. 11(1): 12823. Doi: 10.1038/s41598-021-91951-4. ISSN: 2045-2322. **IF 4.379**
7. Verma P, Yadav A, Rani S and **Malik S**. (2021). Biological clock vs Social clock conflict in Adolescents. Journal of Applied and Natural Science. 13(1): 327-342. ISSN: 0974-9411.
8. Stokes III J, Vinayak S, Williams J, **Malik S**, Singh R, Manne U, Owonikoko TK, Mishra MK. (2021). Optimum health and inhibition of cancer progression by microbiome and resveratrol. Frontiers in Bioscience - Landmark 26: 496-517. ISSN: 1093-9946. **IF 4.009**
9. Sur S, Chaturvedi K, Sharma A, **Malik S**, Rani S and Kumar V. (2020). Ambient temperature affects multiple drivers of physiology and behaviour: adaptation for timely departure of obligate spring migrants. Journal of Experimental Biology. 223, jeb236109. Doi:10.1242/jeb.236109. ISSN: 1477-9145, **IF 3.312**
10. Singh O, Agarwal N, Yadav A, Basu S, **Malik S**, Rani S, Kumar V, Singru PS (2020). Concurrent changes in photoperiod-induced seasonal phenotypes and hypothalamic CART peptide-containing systems in night-migratory redheaded buntings. Brain Structure and Function, DOI: 10.1007/s00429-020-02154-y. ISSN: 1863-2661, **IF 3.27**
11. Yadav A, Tiwari J, Vaish V, **Malik S** and Rani S. (2020). Migration gives sleepless nights to the birds: a study on Palaearctic-Indian migrant, *Emberiza bruniceps*. ISSN: 2193-7206, Journal of Ornithology, DOI: 10.1007/s10336-020-01829-x. ISSN: 0021-8375, **IF 1.745**
12. Majumdar G, Yadav G, **Malik S**, Rani S, Balthazart J, Kumar V. (2020). Hypothalamic plasticity in response to changes in photoperiod and food quality: an adaptation to support pre-migratory fattening

in songbirds? European Journal of Neuroscience. 53(2): 430-448. ISSN: 1460-9568, **IF 3.386**

13. Shukla V, Rani S, **Malik S**, Kumar V and Sadananda M. (2020). Neuromorphometric changes associated with photostimulated migratory phenotype in the Palaearctic-Indian male redheaded bunting. Experimental Brain Research. ISSN: 0014-4819, DOI: 10.1007/s00221-020-05888-7. **IF 1.972**
14. Sharma A, Subhajt D, Komal R, **Malik S**, Rani S and Kumar V. (2020). Seasonal reproductive state determines gene expression in the hypothalamus of a latitudinal migratory songbird during the spring and autumn migration. Molecular and Cellular Endocrinology 508:110794. ISSN: 0303-7207. **IF 4.102**
15. Agarwal N, Komal R, Kumari Y, **Malik S**, Rani S and Kumar V. (2019). Development of vernal migration in redheaded buntings: Concurrent behavioral, physiological and neural changes under stimulatory photoperiods. Photochemical and Photobiological Sciences, 18: 2509-2520. ISSN: 1474-905X, DOI: 10.1039/C9PP00273A. **IF 3.982**
16. Kumar J, **Malik S**, Bhardwaj SK and Rani S. (2018). Bright light at night alters the perception of daylength in Indian weaver bird (*Ploceus philippinus*). Journal of Experimental Zoology A (Ecological and The Integrative Physiology) 329(8-9): 488-496 ISSN: 2471-5646. **IF 2.553 (69/167 in Zoology)**
17. Sharma A, Singh D, **Malik S**, Gupta NJ, Rani S and Kumar V. (2018). Difference in control between spring and autumn migration in birds: insight from seasonal changes in hypothalamic gene expression in captive buntings. Proceedings of the Royal Society B 285(1885). ISSN: 0962-8452. **IF 5.349**
18. Kumar S, Singh R, **Malik S**, Manne U and Mishra MK. (2018). Prostate cancer health disparities: An immuno-biological perspective. Cancer Letters 414: 153-165. ISSN: 0304-3835. **IF 8.679**
19. Kumar S, Gurshaney S, Adagunodo Y, Gage E, Qadri S, Sharma M, **Malik S**, Manne U, Singh UP, Singh R and Mishra MK. (2018). Hsp70 and Y-Semino Protein as possible prognostic marker of prostate cancer. Frontiers in Bioscience - Landmark 23: 1987-2000. ISSN: 1093-9946. **IF 4.009**
20. Kumar J, Gupta P, Naseem A and **Malik S**. (2017). Light spectrum and intensity, and the timekeeping in birds. Biological Rhythm Research 48:739-746. ISSN: 0929-1016. **IF 1.219**
21. Mishra I, Bhardwaj SK, **Malik S** and Kumar V. (2017). Concurrent hypothalamic gene expression under acute and chronic long days: Implications for initiation and maintenance of photoperiodic response in migratory songbirds. Molecular and Cellular Endocrinology 439:81-94. ISSN: 0303-7207. **IF 4.102**
22. Agarwal N, Singh S, **Malik S**, Yadav G and Rani S. (2016). Patterns and diversity in locomotor activity in spotted munia (*Lonchura punctulata*). Biological Rhythm Research 48:13-21. ISSN: 0929-1016. **IF 1.219**
23. Singh D, Trivedi N, **Malik S**, Rani S and Kumar V. (2016). Timed food availability affects circadian behavior but not the neuropeptide Y expression in Indian weaverbirds exposed to a typical light environment. Physiology and Behaviour 161: 81-89. ISSN: 0031-9384. **IF 3.244**
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BOOK CHAPTER

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