

## **CURRICULUM VITAE**

**Name** : **Sanjay Kumar Bhardwaj**  
Ph. D.

**Father's Name** : **Late Shri. J. N. Bhardwaj**

**Present Status** : **Professor**

**Address** : **Department of Zoology**  
Chaudhary Charan Singh University  
Meerut-250 004, INDIA

**Residential Address** : **905, Maple Heights, Opp. Sai Nagar**  
Chanakypuri Road, Meerut-250 004 (U.P.)

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Mobile : **9412209675; 8630056077**  
e-mail : drskumar7@yahoo.com; drskumar7@gmail.com

**Total Research Experience** : 30 years including predoctoral

**Training and Expertise** : Laparotomy and other conventional approaches  
(castration, ovariectomy etc.) used for studying  
photoperiodism and seasonal reproduction

**Area of Research** : Photoperiodism and Seasonal breeding in birds  
  
Light color and intensity in understanding breeding.

**Publications** : Full Length Papers – **63**  
Papers in Proceedings – 03; Articles in Books - **02**

**Fellowships** : **JRF & SRF- DST (1988 - 1991)**  
**Research Associate- CSIR (1994-1996)**

**Awards and Honours** : **Fellow, The Academy of Environmental Biology**  
(FAEB), 2012  
INSA Exchange Program Fellowship, 2007  
(15 May 2007 to 14 August 2007)  
INSA Exchange Program Fellowship, 2017  
(Not Availed)

**Seminar/ Symposia (Attended)** : **International - 18**  
**National - 41**

**Workshops / Training programmes** : **22**

## **Research Projects**

### **Ongoing - 02**

**2020-2023:** Effects of illuminated night environment on metabolism and reproduction in continuously breeding diurnal vertebrate: A study on zebra finches- **SERB-DST, New Delhi.**

**2018-2020:** A Motivational Program for Science Students and Teachers of Uttar Pradesh Through Exhibition and Demonstration (**DST-NCSTC, New Delhi to Indian Society for Chronobiology**) (Co-Principal Investigator)

### **Completed - 07**

**2013-2018:** Anticipation in genes: Molecular, physiology and behavioral correlates of response of circannual clocks to seasons in night-migratory song birds - **Department of Biotechnology, New Delhi**

**2013-2016:** A study on migratory orientation behaviour in the Palaearctic-Indian night migratory songbirds- **SERB- DST, New Delhi**

**2011-2014:** A study of the dynamics of the photoperiodic response system in brahminy myna (*Sturnus pagodarum*) – **University Grants Commission, New Delhi**

**2007-2010:** Sensitivity of the Entrainment Pathway in a Photoperiodic Bird - **Department of Science & Technology, New Delhi**

**2004-2007:** A study of wavelength and intensity dependence of photoperiod-induced seasonality in the brahminy myna (*Sturnus pagodarum*)- **University Grants Commission, New Delhi**

**2001-2004:** Photoperiodic control of reproduction and immune function in house sparrow *Passer domesticus* – **Council of Scientific & Industrial Research, New Delhi**

Reproductive functions under variable light intensities in birds - **UGC (Minor)**

## **Conferences**

### ***International***

2021: International Conference on Chronobiology 2021- Time in the living world, JNCASR, **Bengaluru** 15-17 July (*online*).

2021: International Colloquium on “Regulatory Mechanisms underlying Behavior, Physiology and Development, University of Delhi, **Delhi**, 24-26 March.

2019: International Symposium on Biological Rhythms, Ch. Charan Singh University, Meerut 11-13 March

2018: 27<sup>th</sup> International Ornithological Congress, **Vancouver, Canada**, 19-26 August.

2017: XXVI International Bioacoustics Congress, Gurkula Kangri Viswavidyalaya, **Haridwar**, 8-13 October.

2017: International Symposium on Biological Timing and Health Issues in the 21st Century, University of Delhi, **Delhi**, 21-24 February

2017: International Conference on Reproductive Biology and Comparative Endocrinology, University of Hyderabad, **Hyderabad**, 9-11 February

2016: 29<sup>th</sup> Conference on International Society for Chronobiology, **Suzhou, China**, 23-28 October

2015: CSHA Conferences-Biological Rhythms, **Suzhou, China**, 26-30 October

2014: 26<sup>th</sup> International Ornithological Congress, Rikkyo University, **Tokyo, Japan**, 18-24 August

2012: 10<sup>th</sup> International Symposium on Avian Endocrinology, **Gifu, Japan**, 5-9 June

2012: International Congress in Chronobiology 2012, University of Delhi, **Delhi**, 3-7 October

2011: World Congress for Global Climate Change & Biodiversity Conservation, Gurkula Kangri Viswavidyalaya, **Haridwar**, 11-13 November

2010: 25<sup>th</sup> International Ornithological Congress, **Campos do Jordão, SP, Brazil**, 22-28 August

2006: 24<sup>th</sup> International Ornithological Congress, **Hamburg, Germany**, 13-19 August

2004: 14<sup>th</sup> International Congress on Photobiology, **Jeju, Korea**, 10-15 June

2004: International Conference on Bird and Environment, GKV, **Haridwar**, 21-24 November

1990: International Symposium on Current Status of Chronobiology, Pt. RSS University, **Raipur**, 24-26, November

### *National*

- 2021: National Symposium on Avian Biology, Gurkula Kangri Viswavidyalaya, Haridwar, 30-31 March 2021.
- 2019: National Symposium on Avian Biology, IISER, Tirupati, 7-10 November 2019.
- 2018: National Symposium on Avian Biology, Mizoram University, Aizawl.
- 2017: National Symposium on Biodiversity and Natural Resources for Sustainable Development, Ch Charan Singh University, Meerut.
- 2017: Outreach program on Human health and biological timing, Mizoram University, Aizawl.
- 2017: National Symposium on Zoonotic diseases and their preventive measures, Ch Charan Singh University, Meerut.
- 2017: Higher Education in India: Opportunities and Challenges, IQAC, Ch Charan Singh University, Meerut.
- 2016: Opportunistic Human Pathogens, Ch Charan Singh University, Meerut.
- 2016: XXVI National Symposium on Chronobiology, University of Mysore, Mysuru.
- 2016: Recent Innovative changes in Science and Technology, Humanities, Law & Commerce in context of Human Welfare, DAV College, Muzaffarnagar.
- 2016: New Education Policy, IQAC, Ch Charan Singh University, Meerut.

- 2015: XXI National Symposium on Chronobiology, Pt. Ravi Shankar Shukla University, Raipur.
- 2015: IQAC workshop, Ch Charan Singh University, Meerut.
- 2014: International Conference on Higher Education: Issues & Challenges, Greater Noida.
- 2014: National Seminar on Threats to Biodiversity and Ecosystems: Impacts of developmental projects and climate change, Gorkula Kangri Viswavidyalaya, Haridwar.
- 2014: International Conference on Life Science and Bioengineering, IAMR, Ghaziabad.
- 2014: National Conference on Innovations in Science and Technology for inclusive development, ISCA- Haridwar Chapter, Ch Charan Singh University, Meerut.
- 2014: National Seminar on Economic Up gradation: Environment degradation, Rishikesh.
- 2013: National Seminar on Faunal Diversity and its Conservation, DAV (PG) College, Muzaffarnagar.
- 2012: National Seminar on Emerging pollutants and pathogens: Challenges and Risk Reduction, Indian Institute of Toxicology Research, Lucknow.
- 2012: National Conference on Environmental Problems and Remedial Measures, Ch Charan Singh University, Meerut.
- 2012: XXIII National Symposium on Chronobiology, Jai Narain Vyas University, Jodhpur.
- 2011: National Seminar on Environment Management and Biodiversity Conservation, OIMT, Rishikesh.
- 2011: XXII National Symposium on Chronobiology, Kurukshetra University, Kurukshetra
- 2010: Animal Biodiversity: Physiological aspects of environment strategies, MMH College, Ghaziabad.
- 2010: Professional Development of Teachers in Global Perspective, Greater Noida.
- 2009: National Symposium on Mathematics in Computer Applications, Ch. Charan Singh University, Meerut.
- 2009: Symposium on Functional Biology: Comparative Aspects, University of Lucknow, Lucknow.
- 2007: National Seminar on Medicinal Plants: Conservation, Cultivation & Utilization II, Gorkula Kangri Viswavidyalaya, Haridwar
- 2007: XIX National Symposium on Chronobiology, Madurai Kamaraj University, Madurai.
- 2006: Therapeutic and diagnostic products for reproductive health: Recent trends and future prospects, Indian Institute of Technology, Roorkee.
- 2006: National Seminar on Medicinal Plants: Conservation, Cultivation & Utilization, Gorkula Kangri Viswavidyalaya, Haridwar.
- 2005: XVII National Symposium on Chronobiology, Banaras Hindu University, Varanasi.
- 2003: National Seminar on alternative fuel in New Millennium for India, Chinmaya Degree College, Haridwar
- 2002: National Symposium on Zoology in New Millennium, University of Lucknow, Lucknow.
- 2002: National Seminar on Environmental Biology and Fish Biology, Visva Bharati, Santiniketan.

- 2002: 4<sup>th</sup> Indian Agricultural Scientists and Farmer's Congress, Ch Charan Singh University, Meerut.
- 2001: National Symposium on Chronobiology, K. S. Saket College, Faizabad.
- 2000: National Symposium Chronobiology, Gulbarga University, Gulbarga.
- 1994: National Symposium on Chronobiology, Lucknow University, Lucknow.
- 1989: 7<sup>th</sup> All India Symposium on Chronobiology, Karnatak University, Dharwad.

### **Orientation, Refresher courses & Training Programmes**

- 2021: DST-NCSTC sponsored five day motivational program for Science students and teachers at M A Beg Girls PG College, Anjan Shaheed, Azamgarh, 21-25 September 2021.
- 2021: DST-NCSTC sponsored five day motivational program for Science students and teachers at Nehru Balodyan Public School, Jaunpur, 17-21 March 2021.
- 2021: DST-NCSTC sponsored five day motivational program for Science students and teachers at Arpan Public School, Thana Bhawan, 2-6 March 2021.
- 2019: DST-NCSTC sponsored five day motivational program for Science students and teachers at SKD Academy, Lucknow, 14-18 October 2019.
- 2017: Workshop on Mechanisms of adaptation in the temporal environment, Mizoram University, Aizawl.
- 2015: DST-SERB School in Avian Biology, North Eastern Hill University, Shillong.
- 2015: DST-SERB School in Avian Biology, Gurkula Kangri Viswavidyalaya, Haridwar.
- 2015: DST- SERB School in Chronobiology- III, Mangalore University, Mangalore.
- 2014: National Workshop in Nematode Taxonomy, Ch Charan Singh University, Meerut.
- 2012: DST- SERB School in Chronobiology- III, North Eastern Hill University, Shillong.
- 2011: DST- SERB School in Chronobiology-III, University of Delhi, Delhi.
- 2010: DST- SERC School in Chronobiology II, JNCASR, Bangalore.
- 2009: National Workshop on IPR-Awareness, Ch Charan Singh University, Meerut.
- 2009: National Workshop on Applied Nematology, Ch Charan Singh University, Meerut.
- 2008: DST - SERC School in Chronobiology II, University of Lucknow, Lucknow.
- 2008: Thematic workshop on Avian Biology, Gurkula Kangri Viswavidyalaya, Haridwar.
- 2005: DST - Third SERC School in Chronobiology, Gulbarga University, Gulbarga.
- 2004: Refresher Course in Zoology, Jai Narayan Vyas University, Jodhpur.
- 2003: Refresher Course, Gurkula Kangri Viswavidyalaya, Haridwar.
- 2003: DST- Second SERC School of Chronobiology, Pt. RSS University, Raipur.
- 2002: DST - First SERC School of Chronobiology, University of Lucknow, Lucknow.
- 1999: Orientation Course, Academic Staff College, University of Lucknow, Lucknow.

### **Attended webinars**

Attended several webinars organized by GAD TLC, Delhi University, April, May 2020.

Attended webinar organized by Kurukshetra University 1 May 2020.

Attended webinars organized by GAD TLC, Delhi University, May 2020.

### **Scientific meets / Symposia Organized in University**

- **Two day SERB workshop (SSR)** on Impact of Surrounding Environment on Biology of Animals, 18-19 August 2021
- **One day lecture of Mr. Erik Jacquemyn**, UNESCO Kalinga Awardee, 30 November 2019.
- **Convener**, International Symposium on Biological Rhythms, 11-13, March 2019.
- **Coordinator**, A 5 day workshop on Time, Brain and Behaviour, 6-10, March 2019.
- **Treasurer**, National Symposium on Biodiversity and Natural Resources for Sustainable Development, 24-26 November 2017.
- **Co Organizing Secretary**, National Symposium on Zoonotic diseases and their preventive measures, 16-18 March 2017.
- **Convener**, National Workshop on Recent Advances in Nematode Taxonomy, 29-31 March 2014.
- **Coordinator**, DST-SERB School in Chronobiology, 1-10 October 2011.
- **Coordinator**, DST-SERC School in Chronobiology, 1-11 February 2007.
- **Co Organizing Secretary**- Recent Advances in Applied Zoology, 24-25 March 2006.

### **Members of the Scientific Bodies**

International Ornithologists Union	-	Member
Indian Science Congress Association	-	Life Member
Indian Society for Chronobiology	-	Life Member
International Society of Applied Biology	-	Life Member
Academy of Environmental Biology	-	Life Member
People for Animals	-	Life Member
Association of Avian Biologists in India	-	Life Member

### **Teaching & Research Experience**

Teaching Experience	-	27 (+) yrs
M. Phil. Awarded	-	42
Ph. D. Awarded	-	08
Ph. D. Submitted	-	01
Ph. D Working	-	06

### **Editorial Assignment**

**Assistant Editor**, Environment Conservation Journal

## Administrative Experience

- **Assistant Warden**, Dr. R.K. Singh Hostel, CCSU, Meerut 25.8. 1997 to 5.10.1998
- **Member, Executive Council**, CCSU, Meerut 13.7.2002 - 12.7.2003; 19.9.2013 - 18.9.2014
- **In charge**, University Guest House, Ch. Charan Singh University, Meerut 3.12.2006 to 31.3.2007
- **Warden**, Dr. B. R. Ambedkar Hostel, Ch. Charan Singh University, Meerut 18.5. 2003 to 31.12.2008
- **Member**, National Planning Committee on SERC School in Chronobiology II- Clock, Rhythms & Behavior, 2008 - 2010
- **Head**, Department of Zoology, Ch. Charan Singh University, Meerut July, 2011 to July, 2014
- **Special Invitee**, DST-SERB Planning Committee Meeting for School in Chronobiology, Mangalore University, Mangalore, 2014
- **Deputy Controller**, OMR Evaluation, Ch. Charan Singh University, Meerut 2015, 2016
- **Expert**, Board of Studies (Biosciences), Himachal Pradesh University, Shimla, 2015-2017
- **Centre Superintendent**, Campus Entrance Test, Ch. Charan Singh University, Meerut 2016
- **Deputy Controller**, Back Paper Evaluation, Ch. Charan Singh University, Meerut 2016
- **Deputy Controller**, Semester Evaluation, Ch. Charan Singh University, Meerut 2017
- **Coordinator**, MCQ, Ch. Charan Singh University, Meerut 2015, 2018, 2019
- **Treasurer**, Indian Society for Chronobiology- 16.3.2011- 31.3.2019
- **Coordinator**, University Results, Ch. Charan Singh University, Meerut 2011, 2012, 2013, 2014, 2016, 2017, 2018, 2019, 2020, 2021
- **Member**, Internal Quality Assurance Cell, Ch. Charan Singh University 30.1.2017- till date.
- **Member**, Institutional Animal Ethical Committee (IAEC), CCSU, Meerut
- **Vigilance Officer**, Ch. Charan Singh University, Meerut 7.1.2010 - Continued
- **Member**, Academic Council, Ch. Charan Singh University, Meerut 2015 - Continued
- **Member**, Human Ethical Committee, Ch. Charan Singh University, Meerut 2019-2020
- **Member**, Academic Council, Mahatma Gandhi Central University, Motihari, Bihar - 1.12.2019- 30.11.2022
- **Expert**, PG BOS in Zoology, Ch. Bansi Lal University, Bhiwani, 19.1.2021 - 18.1.2023
- **Secretary**, Indian Society for Chronobiology - 1.4. 2019 - 31.3.2023

**Scientific visits abroad**: Brazil, Canada, China, Germany, Japan, Korea, Prague