

CURRICULUM VITAE

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

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

Present Status : **Professor**

Nationality : **Indian**

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

Residential Address : C-9, Ch. Charan Singh University Campus
Meerut-250 004 (U.P.)

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Total Research Experience : 29 years including predoctoral

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

Standard techniques used for activity rhythm
recordings

Area of Research : Photoperiodism and Seasonal breeding in birds

Light color and intensity in understanding breeding.

Publications : Full Length Papers – **51** **Accepted - 01**
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
INSA Exchange Program Fellowship, 2017

Seminar/ Symposia : **National** - **39**
International - **16**

Workshops/Training programmes : **20**

Research Projects :

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

A Motivational Program for Science Students and Teachers of Uttar Pradesh Through Exhibition and Demonstration (sanctioned by **DST-NCSTC, New Delhi** to **Indian Society for Chronobiology-** (*Co-coordinator*))

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/CCSU (Minor)**

Conferences

International

- **2019:** International Symposium on Biological Rhythms, CCS University, **Meerut, India**
- 2018: 27th International Ornithological Congress, **Vancouver, Canada**
- 2017: XXVI International Bioacoustics Congress, G K V, **Haridwar, India**
- 2017: International Symposium on Biological Timing and Health Issues in the 21st Century, University of Delhi, **Delhi, India**
- 2017: International Conference on Reproductive Biology and Comparative Endocrinology, University of Hyderabad, **Hyderabad, India**
- 2016: 29th Conference on International Society for Chronobiology, **Suzhou, China**
- 2015: CSHA Conferences-Biological Rhythms, **Suzhou, China**
- 2014: 26th International Ornithological Congress, Rikkyo University, **Tokyo, Japan**
- 2012: 10th International Symposium on Avian Endocrinology, **Gifu, Japan**
- 2012: International Congress in Chronobiology 2012, University of Delhi, **Delhi, India**
- 2011: World Congress for Global Climate Change & Biodiversity Conservation, GKV, **Haridwar, India**
- 2010: 25th International Ornithological Congress, **Campos do Jordão, SP, Brazil**
- 2006: 24th International Ornithological Congress, **Hamburg, Germany**
- 2004: 14th International Congress on Photobiology, **Jeju, Korea**
- 2004: International Conference on Bird and Environment, GKV, **Haridwar, India**
- 1990: International Symposium on Current Status of Chronobiology, Pt. RSS University, **Raipur, India**

National

- **2019: National Symposium on Avian Biology, IISER, Tirupati (Proposed)**
- 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, C. C. S. U., **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. R. S. S. 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, Gurukula 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 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. C. S. University, **Meerut**
- 2009: Symposium on Functional Biology: Comparative Aspects, University of Lucknow, **Lucknow**
- 2007: National Seminar on Medicinal Plants: Conservation, Cultivation & Utilization II, Gurukula 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, Gurukula 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: 4th Indian Agricultural Scientists and Farmer's Congress, Ch. C. S. 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: 7th All India Symposium on Chronobiology, Karnatak University, **Dharwad**

Orientation, Refresher courses & Training Programmes

- **2019:** DST-NCSTC sponsored five day program for Science students and teachers at the SKD Academy, **Lucknow**
- **2019:** A five day workshop on Time, Brain Behaviour, CCS University, **Meerut**
- **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 Vishwavidyalaya, **Haridwar**
- **2015:** DST- SERB School in Chronobiology- III, Mangalore University, **Mangalore**
- **2014:** National Workshop in Nematode Taxonomy (RANT-2014), CCS 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, Jakkur, **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 Vishwavidyalaya, **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 Vishwavidyalaya, **Haridwar**
- **2003:** DST- Second SERC School of Chronobiology, Pt. R S S University, **Raipur**
- **2002:** DST - First SERC School of Chronobiology, University of Lucknow, **Lucknow**
- **1999:** Orientation Course, Academic Staff College, University of Lucknow, **Lucknow**

Scientific meets/Symposia Organized at University

- **Convener**, International Symposium on Biological Rhythms, **11-13 March 2019**
- **Coordinator**, A workshop on Time, Brain and Behaviour, **6-10, March 2019**
- **Treasurer**, National Symposium on Biodiversity and Natural Resources for Sustainable Development, 2017
- **Co Organizing Secretary**, National Symposium on Zoonotic diseases and their preventive measures, 2017
- **Convener**, National Workshop on Recent Advances in Nematode Taxonomy, 2014
- **Coordinator**, DST-SERB School in Chronobiology, 2011
- **Coordinator**, DST-SERC School in Chronobiology, 2007
- **Co Organizing Secretary**- Recent Advances in Applied Zoology, 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

Post Graduate	-	23 (+) yrs
M. Phil. Supervised	-	42
Ph. D. Supervised	-	08
Ph. D Working	-	05

Editorial Assignment

Assistant Editor, Environment Conservation Journal

Administrative Experience

- **Assistant Warden**, Dr. R.K. Singh Hostel, 25.8.1997 to 5.10.1998
- **Member**, University Executive Council, Ch. Charan Singh University, 2002-2003, 2013-2014
- **In charge**, University Guest House, Ch. Charan Singh University, 3.12.2006 to 31.3.2007
- **Warden**, Dr. B. R. Ambedkar Hostel, Ch. Charan Singh University, 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, 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, 2015, 2016
- **Expert**, Board of Studies (Biosciences), Himachal Pradesh University, Shimla, 2015-2017
- **Centre Superintendent**, Campus Entrance Test, 2016
- **Deputy Controller**, Back Paper Evaluation, Ch. Charan Singh University, 2016
- **Deputy Controller**, Semester Evaluation, Ch. Charan Singh University, 2017
- **Coordinator, MCQ**, Ch. Charan Singh University, 2015, 2018, 2019
- **Treasurer, Indian Society for Chronobiology**- 16.3. 2011- 31.3.2019
- **Coordinator, University Results**, Ch. Charan Singh University, 2011, 2012, 2013, 2014, 2016, 2017, 2018, **2019**
- **Member, Internal Quality Assurance Cell**, Ch. Charan Singh University, 2017- 2019

- ***Member, Institutional Animal Ethical Committee, CCS University, Meerut***
- ***Vigilance Officer, Ch. Charan Singh University, 7.1.2010 - Continued***
- ***Member, Academic Council, Ch. Charan Singh University, 2015 - Continued***
- ***Secretary, Indian Society for Chronobiology - 1.4. 2019- Continued***

Visits Abroad: Brazil, China, Germany, Japan, Korea, Prague, Canada