

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, U.P. INDIA

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

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

Total Research Experience : 32 years

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 – **71**
Papers in Proceedings – 03; Articles in Books - **02**

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

Awards and Honors : **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

Shikshak Divas Samman 5 September 2021

Research Excellence Award 2022
Anti corruption movement Bharat 19 June 2022

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

Workshops / Training programmes : 24

Research Projects Ongoing - 03

2022: Effect of different wavelengths and intensity of light at night on higher cognitive performance in zebra finches, *Taeniopygia guttata*. **CCS University**
Sanctioned Amount- Rs. 2,00,000/-

2022: Light at night effect on learning and memory in diurnal zebra finches: A behavioural approach R & D Project funded by **State Government of U.P.** (F. No. 108/2021/2585/Sattar-4-2021-4(28)/2021 dated 28-12-2021) Sanctioned Amount- Rs. 1,56,000/-

2020-2023: Effects of illuminated night environment on metabolism and reproduction in continuously breeding diurnal vertebrate: A study on zebra finches- **Science Engineering Research Board (DST)** Sanctioned Amount- Rs. 48,62,720/-

Completed - 08

2018-2021: 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-Investigator*)

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 Sanctioned Amount Rs.54,35,000/-

2013-2016: A study on migratory orientation behaviour in the Palaearctic-Indian night migratory songbirds- **Science Engineering Research Board (DST)**, New Delhi Sanctioned Amount Rs.49,80,400/-

2011-2014: A study of the dynamics of the photoperiodic response system in brahminy myna (*Sturnus pagodarum*) – **University Grants Commission**, New Delhi Sanctioned Amount Rs.7,27,900/-

2007-2010: Sensitivity of the Entrainment Pathway in a Photoperiodic Bird - **Department of Science & Technology**, New Delhi Sanctioned Amount Rs.37,39,525/-

2004-2007: A study of wavelength and intensity dependence of photoperiod-induced seasonality in the brahminy myna (*Sturnus pagodarum*)- **University Grants Commission, New Delhi** Sanctioned Amount Rs.7,22,600/-

2001-2004: Photoperiodic control of reproduction and immune function in house sparrow *Passer domesticus* – **Council of Scientific & Industrial Research, New Delhi** Sanctioned Amount Rs.4,46,000/-

Reproductive functions under variable light intensities in birds - **UGC (Minor)**
Sanctioned Amount Rs.25,000/-

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: 27th International Ornithological Congress, **Vancouver, Canada**, 19-26 August
- 2017: XXVI International Bioacoustics Congress, Gorkula 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: 29th Conference on International Society for Chronobiology, **Suzhou, China**, 23-28 October
- 2015: CSHA Conferences-Biological Rhythms, **Suzhou, China**, 26-30 October
- 2014: 26th International Ornithological Congress, Rikkyo University, **Tokyo, Japan**, 18-24 August
- 2012: 10th 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, Gorkula Kangri Viswavidyalaya, **Haridwar**, 11-13 November
- 2010: 25th International Ornithological Congress, **Campos do Jordão, SP, Brazil**, 22-28 August
- 2006: 24th International Ornithological Congress, **Hamburg, Germany**, 13-19 August
- 2004: 14th International Congress on Photobiology, **Jeju, Korea**, 10-15 June
- 2004: International Conference on Bird and Environment, Gorkula Kangri Viswavidyalaya, **Haridwar**, 21-24 November
- 1990: International Symposium on Current Status of Chronobiology, Pt. Ravi Shankar Shukla University, **Raipur**, 24-26, November

National

- 2021: National Symposium on Avian Biology, GKV, **Haridwar**, 30-31 March
- 2019: National Symposium on Avian Biology, IISER, **Tirupati**, 7-10 November
- 2018: National Symposium on Avian Biology, Mizoram University, **Aizawl**.
- 2017: National Symposium on Biodiversity and Natural Resources for Sustainable Development, CCS 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. R S 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, Gurkula 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 (PG) 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, Gurkula 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, Gurkula 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 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: 7th All India Symposium on Chronobiology, Karnatak University, **Dharwad**

Orientation, Refresher courses & Training Programmes

- 2022: DST-NCSTC sponsored motivational program for Science students and teachers at Rudra International Public School, **Mawanakhurd**, Meerut 3-5 March 2022
- 2022: DST-NCSTC sponsored motivational program for Science students and teachers at Jain International School, **Hastinapur** 1-2 March 2022
- 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 cum outreach activity Mechanisms of adaptation in the temporal environment, Mizoram University, **Aizawl**. 22-23 May 2017
- 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	-	28 (+) yrs
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M. Phil.	-	42
Ph. D. Awarded/ Working	-	09 /05

Editorial Assignment

Member, Editorial Board, American Journal of Zoology (AJZ), 27.11. 2021 to 27.11.2023

Assistant Editor, Environment Conservation Journal

Administrative Experience

- **Assistant Warden**, Dr. R.K. Singh Hostel, Ch Charan Singh University, Meerut 25.8. 1997 - 5.10.1998
- **Member, Executive Council**, Ch Charan Singh University, 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 - 31.3.2007
- **Warden**, Dr. B. R. Ambedkar Hostel, Ch Charan Singh University, Meerut 18.5. 2003 - 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 - 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, **2022**
- **Member**, Internal Quality Assurance Cell, Ch Charan Singh University, Meerut *since* 30.1.2017 to 29.8.2022
- **Member**, Institutional Animal Ethical Committee (IAEC), Ch Charan Singh University, 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 *Since* 2019
- **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
- **Centre Superintendent**, Campus Examinations, Ch Charan Singh University, Meerut, **2022**
Scientific visits abroad: Brazil, Canada, China, Germany, Japan, Korea, Prague

Research Publications

1. Kumar, V. and **Sanjay Kumar, B.** (1990). Effects of testosterone on the testes, body weight and plumage regeneration in photorefractory male redheaded bunting, *Emberiza bruniceps*. Indian Journal of Experimental Biology, 28: 417-420, CSIR. ISSN: 0975-1009 (Online); 0019-5189 (Print) (IF- 1.295)
2. Kumar, V. and **Sanjay Kumar, B.** (1990). Effects of photoperiod, gonadectomy and testosterone therapy on food intake and body weight in male redheaded bunting, *Emberiza bruniceps*. Journal of Reproductive Biology and Comparative Endocrinology, 2: 80-87.
3. **Sanjay Kumar, B.** and Kumar, V. (1991). Seasonal reproduction in subtropical brahminy myna: Role of photoperiod. General and Comparative Endocrinology, 83 (2):354-365, Academic Press, ISSN: 0016-6480 (September 1991) (IF - 3.267)
4. Kumar, V. and **Sanjay Kumar, B.** (1991). The development of photorefractoriness in termination of the breeding season in the tropical brahminy myna: Role of photoperiod. Reproduction, Nutrition and Development, 31: 27-36, France (IF - 1.9)
5. Kumar, V., **Sanjay Kumar, B.**, Singh, B.P. and Sarkar, A. (1991). A common functional basis for the photoperiodic mechanism regulating reproductive and metabolic responses the migratory redheaded bunting. Periodicum Biologorum, 93: 169-174, Yugoslavia (IF - 0.192)
6. Kumar, V., **Sanjay Kumar, B.** and Singh, B.P. (1992). Photostimulation of blackheaded bunting: Subjective interpretation of day and night depends upon photophase contrast and light intensity. Physiology & Behaviour, 51(6): 1213-1217, Elsevier Press (June) (IF - 2.869)
7. Kumar, V. and **Sanjay Kumar, B.** (1992). Termination of photorefractoriness in the brahminy myna, *Sturnus pagodarum*: Role of photoperiod and gonadal hormones. Indian Journal of Experimental Biology, 30: 48-53, CSIR, ISSN: 0975-1009 (Online); 0019-5189 (Print) (IF- 1.295)

8. **Sanjay Kumar, B.** and Kumar, V. (1993). Photoperiodic control of annual reproductive cycle in subtropical brahminy myna, *Sturnus pagodarum*. General and Comparative Endocrinology, 89: 149-160, Academic Press, ISSN: 0016-6480 (January) (IF - 3.267)
9. Kumar, V., Jain, N., Singh, B.P. and **Sanjay Kumar, B.** (1993). Plasma levels of luteinizing hormone in intact and castrated blackheaded bunting (*Emberiza melanocephala*) exposed to stimulatory and non stimulatory photoperiods. Reproduction Nutrition and Development, 33: 143-150, France (IF - 1.9)
10. Kumar, V. and **Sanjay Kumar, B.** (1995). Entrainment of circadian system under variable photocycles (T-photocycles) alters the critical day length for photoperiodic induction in blackheaded buntings. The Journal of Experimental Zoology, 273 (4): 297- 302, Wiley Press (November) (IF - 1.64)
11. Kumar, V., **Sanjay Kumar, B.** and Jain, N. (1996). Effect of late afternoon administration of melatonin on photoperiod-induced responses in buntings. Indian Journal of Experimental Biology, 34: 220-225, CSIR, ISSN: 0975-1009 (Online); 0019-5189 (Print) (IF-1.295)
12. **Sanjay Kumar, B.** and Dubey, S. (2002). Effect of late afternoon administration melatonin on photoperiodic responses in house sparrow. Journal of Experimental Zoology (India), 5(2): 189-194. ISSN - 0972 - 0030; Print; ISSN - 0976-1780.
13. **Sanjay Kumar, B.** (2002). Effect of testosterone on body weight and testicular response in house sparrow, *Passer domesticus*. Journal of Experimental Zoology (India), 5(2): 201- 206. ISSN - 0972 - 0030; Print; ISSN - 0976-1780.
14. **Sanjay Kumar, B.** and Anushi (2004). Effect of duration and time of food availability on photoperiodic in response in male house sparrow, *Passer domesticus*. Reproduction Nutrition and Development, 44:29-35, France (January) (IF - 1.9)
15. **Sanjay Kumar, B.**, Anushi and Singh, V. (2004). Effect of complete and skeleton photoperiods in the house sparrow (*Passer domesticus*). Biological Memoirs, 30(1):26-30.

16. **Bhardwaj, S. K.** and Kumar, P. (2004). Photosensitivity of body mass and testicular activity of brahminy myna, *Sturnus pagodarum*. Reproduction, Nutrition and Development, 44: 365-369, France (IF - 1.9)
17. **Bhardwaj, S. K.**, Anushi and Ruhela. S.K. (2004). Photoperiodism in birds and mammals. Journal of Experimental Zoology (India), 7(2):181-200. ISSN- 0972 - 0030; Print; ISSN - 0976-1780.
18. **Bhardwaj, S. K.** and Kumar, A. (2006). Role of photoperiod in the maturation of juvenile brahminy myna, *Sturnus pagodarum*. Periodicum Biologorum, 108: 89-91, Yugoslavia (IF - 0.19)
19. **Bhardwaj, S. K.** and Anushi (2006). Effect of photoperiod length on body mass and testicular growth in the house sparrow (*Passer domesticus*) and brahminy myna (*Sturnus pagodarum*). Reproduction Nutrition and Development, 46:69-76, France (IF - 1.9)
20. Anushi and **Bhardwaj, S. K.** (2006). Response to complete and skeleton photoperiods in subtropical male house sparrow, *Passer domesticus* (Linnaeus). Indian Journal of Experimental Biology, 44: 325-329, CSIR, ISSN: 0975-1009 (Online); 0019-5189 (Print) (IF - 0.55)
21. **Bhardwaj, S. K.**, Sharma, D.K. and Anushi (2006). Effect of complete and skeleton photoperiods on gonadal response in baya weaver. Journal of Environmental Biology, 27 (3): 505-508, Triveni Enterprises, Lucknow (July 2006) (IF - 0.197)
22. **Bhardwaj, S. K.** and Choudhary, I. (2007). Effect of skeleton photoperiods on body mass and testicular response in baya weaver. Biochemical and Cellular Archives, 7(2):337-341. (October 2007).
23. **Bhardwaj, S. K.**, Singh, K. and Anushi (2008). Effect of T photocycle in the photoperiodic induction in house sparrow and brahminy myna. Biotechnology International, 1(4):193-197.
24. **Bhardwaj, S.K.** and Bhardwaj, N. (2008). Effect of light intensity and temperature on the photoperiodic induction in female brahminy myna, *Sturnus pagodarum*. Journal of Experimental Zoology (India), 11(2):527-530. ISSN- 0972 - 0030; Print; ISSN - 0976-1780.

25. Kumar, A., Pandey, R.K., Choudhary, I., Sharma, D.K. and **Bhardwaj, S.K.** (2010). Role of testosterone on body mass, body molts, primary flight feathers, plumage regeneration and testes in brahminy myna (*Sturnus pagodarum*). The Scientific Temper, 1: 39-46 (July, 2010)
26. Anushi and **Bhardwaj, S. K.** (2010). Role of social stimuli in the photoperiodic induction. Environnement Conservation Journal, 11(3):153-160. P ISSN: 0972-3099, E ISSN: 2278-5124, (December, 2010)
27. Gupta, B.K., Sarkar, U.K., **Bhardwaj, S.K.** and Pal, A. (2011). Condition factor, length weight and length-length relationships of an endangered fish *Ompok pabda* (Hamilton 1822) (Siluriformes: Siluridae) from the river Gomti, a tributary of the river Ganga, India. Journal of Applied Ichthyology, 27(3): 962-964, Blackwell Verlag GmbH. (June, 2011) (**IF - 0.902**)
28. Pandey, R.K. and **Bhardwaj, S.K.** (2011). Circadian and seasonal responses in Indian weaver bird: Subjective interpretation of day and night depends upon both light intensity and contrast between illuminations. Chronobiology International, 28(9):758-763, Informa Healthcare, USA (August 2011) (**IF-4.028**)
29. **Bhardwaj, S.K.**, Pandey, R.K. and Kumar, A. (2011). Responsiveness to photostimulation in two passeriform birds. Environment Conservation Journal, 12(3): 23-28. P ISSN: 0972-3099, E ISSN: 2278-5124 (December, 2011)
30. Gupta, B.K., Sarkar, U.K. and **Bhardwaj, S.K.** (2012). Assessment of habitat quality with relation to fish assemblages in an impacted river of the ganges basin, northern India. The Environmentalist, 32:35-47, Springer ISSN- 0251-1088 (March 2012)
31. Kumar, S., Pandey, R.K., Choudhary, I. and **Bhardwaj, S.K.** (2012). Steroidal feedback on photoperiodic induction of testicular growth and development in two bird species. Journal of Environmental Biology, 33(1):89-94, Triveni Enterprises, Lucknow (January 2012) (**IF - 0.682**)
32. **Bhardwaj, S. K.**, Sharma, A.K. and Pandey, R. K. (2013). Effect of melatonin and prolactin on photoperiodic induction in body mass, testicular growth and feather regeneration in Indian weaver bird (*Ploceus philippinus*). Biological Rhythm Research, 44 (3): 451-456, Taylor & Francis ISSN: 0929-1016 (print); 1744-4179 (web) (June 2013) (**IF-1.219**)

33. Sharma, D.K. and **Bhardwaj, S.K.** (2013). Influence of light intensity and wavelength on testicular responses in male brahminy myna. Biological Rhythm Research, 44(4): 655-662, Taylor & Francis. ISSN: 0929-1016 (print); 1744-4179 (web) (August 2013) (IF-1.219)
34. Rana, N., Pandey, R.K. and **Bhardwaj, S.K.** (2013). Avifauna of CCS University Campus, Meerut (U.P.). Environment Conservation Journal, 14(3):151-159. P ISSN: 0972-3099, E ISSN: 2278-5124, (December 2013)
35. Gupta, B.K., Sarkar, U.K. and **Bhardwaj, S. K.**(2014). Reproductive biology of Indian Silurid catfish *Ompok pabda* in river Gomti. Journal of Environmental Biology, 35(2): 345-351, Triveni Enterprises, Lucknow (March 2014) (IF - 0.563)
36. Pandey, R.K. and **Bhardwaj, S.K.** (2014). Light intensity on circadian activity behavior in the Indian weaverbird (*Ploceus philippinus*). Indian Journal of Experimental Biology, 52: 510-515, CSIR, ISSN: 0975-1009 (Online); 0019-5189 (Print), (May 2014) (IF - 0.835)
37. Malik, S., Pandey, R.K. and **Bhardwaj, S.K.** (2014). Effect of food on seasonal response in Indian weaver bird (*Ploceus philippinus*). Environment Conservation Journal, 15(3): 19-28. P ISSN: 0972-3099, E ISSN: 2278-5124 (December 2014)
38. Gupta, N.J., Kumar, A. and **Bhardwaj, S.K.** (2015). Photogonadal response of Indian brahminy myna to resonance cycles in different seasons. Biological Rhythm Research, 46(1):33-38, Taylor & Francis ISSN: 0929-1016 (print); 1744-4179 (web) (January 2015) (IF-1.219)
39. **Bhardwaj, S. K.** and Pandey, R. K. (2015). Light intensity alters the stimulatory effects of long photoperiod but does not alter critical photoperiod in Indian weaver bird (*Ploceus philippinus*). Journal of Ornithology, 156:223-229, Springer (January 2015) (IF - 1.711)
40. Pandey, R. K. and **Bhardwaj, S.K.** (2015). Photoperiodic regulation of seasonal responses in Indian weaver bird (*Ploceus philippinus*). Biological Rhythm Research, 46 (4):483-495, Taylor & Francis. ISSN: 0929-1016 (Print); 1744-4179 (web) (April 2015) (IF-1.219)

41. Gupta, B.K., Sarkar, U.K. and **Bhardwaj, S.K.** (2015). Analysis of morphometric characters and population dynamics of *Ompok pabda* (Hamilton, 1822) from Gomti River in Northern India. Journal of Biological Sciences and Medicine, 1(1): 49-58 (December 2015)
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