

CURRICULUM VITAE

Personal Data:

Name : **Rohit Kumar Pandey**
Ph. D.
Father's Name : **Shri Tirth Pal Pandey**
Permanent Address : **Village & Post - Khajuri**
Lalganj Ajhara
District - Pratapgarh (U.P.)
Pin code - 230132
Date of Birth : **18th July, 1985**
Marital Status : **Married**
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Nationality : **Indian**

Educational qualification:

Exam/Degree	Board/University	Passing	Subjects	Division
High school	U.P. Board	1999	Math, Sci., Biology	Ist
Intermediate	U.P. Board	2001	Bio., Phy., Chemistry	Ist
B. Sc.	Dr. RML Avadh University	2004	Botany & Zoology	IInd
M. Sc.	University of Lucknow	2007	Zoology (Fish & Fish.)	IInd
Ph. D.	C.C.S. University, Meerut	2013	Zoology (Chronobiology)	Awarded
B. Ed.	C.C.S. University, Meerut	2021	Education Subject	Ist

Computer Knowledge: Basic computer application and operational skills i.e. MS Word, MS Excel, MS Power point and Internet (Four month diploma).

GATE 2021: Qualified (Indian Institute of Technology, Bombay) EWS Category

Research Experience:

- 1. Name of Ph. D. Advisor** : **Prof. Sanjay Kumar Bhardwaj**
Department of Zoology
Ch. Charan Singh University
Meerut – 250004 (UP)
- 2. Ph. D. Topic** : Light intensity dependent photoperiodic pathway
in Indian weaver bird (*Ploceus philippinus*).
- 3. Total Res. Experience** : 9 years
- 4. Training and Expertise** : 1. Handling and maintenance of birds.
2. Standard techniques used for activity recording
3. Surgical skills, like laparotomy in birds
4. Molt Score, Fat Score bill and plumage color
5. Blood sample collection
6. Immuno-cyto Chemistry (ICC).
- 5. Area of Research** : Photoperiodism and seasonal breeding in birds.
- 6. Publications** : Full Length Papers - 14 (Published)
: Abstracts - 18
- 7. Fellowships** : **JRF & SRF**- DST, New Delhi (2008-2010)
: **UGC Project fellow** (Sept. 2011-June 2013)
: **Research Associate** (DST & DBT, New Delhi) (May
2013 - March 2018)
- 8. Courses Attended** : National - 6
- 9. Seminar / Sym. Attended** : National - 13; International - 02

Courses Attended:

1. Attended **DST sponsored SERC School in Chronobiology 2008**, University of Lucknow, Lucknow (October 15-25, 2008).
2. Attended **DST sponsored SERC School in Chronobiology 2009**, NEHU, Shilong, Meghalaya (June 06-20, 2009).

3. Attended **Workshop on environmental conservation 2009**, Ch. Charan Singh University, Meerut (March 27-29, 2009).
4. Attended **National Workshop on Applied Nematology (NWAN-2009)**, Ch. Charan Singh University, Meerut (November 23-29, 2009).
5. Attended **National Workshop on Recent Advances in Nematode taxonomy (RANT-2014)**, Ch. Charan Singh University, Meerut (March 29-31, 2014).
6. Attended **Workshop Cum Hands-on-Training on Computational Identification of MicroRNA (miRNA) For Biotic and Abiotic Stress Tolerance in Cereals**, Ch. Charan Singh University, Meerut (March 12-14, 2015).

Conference / Symposium / Seminar (Attended):

1. Symposium on Functional Biology: Comparative aspects, University of Lucknow, Lucknow (March 19-21, 2009).
2. Seminar-cum-Workshop on Bioresource Conservation & Utilization, Chaudhary Charan Singh University, Meerut (March 27-29, 2009).
3. National seminar on thrust areas in Fish Biotechnology and Fish Conservation, Department of Zoology, Meerut college Meerut (September 19, 2009).
4. Symposium on Animal biodiversity: Physiological aspects of environmental strategies, MMH College, Ghaziabad (February 19-20, 2010).
5. XXII National Symposium on Chronobiology., Department of Zoology, Kurukshetra University, Kurukshetra (March 15-17, 2011).
6. XXIII National Symposium on Chronobiology., Department of Zoology, J.N.V. University, Jodhpur (March 1-3, 2012).
7. 32nd Annual Session of The Academy of Environmental Biology and National Seminar on “Emerging pollutants and pathogens: Challenges and Risk Reduction” CSIR-Indian Institute of Toxicology Research, Lucknow-226001 (September 20-22, 2012).
8. International Congress on Chronobiology (ICC 2012) (Focal Theme: Biological Clocks and Health Issues in the 21st Century): A Joint Congress of the 27th Conference of The International Society for Chronobiology & 24th Conference of The Indian Society for Chronobiology, Department of Zoology, University of Delhi, Delhi, India (October 3-7, 2012).
9. International Conference on Global IPR System and WTO Issues: Intellectual Property Cell, Ch. Charan Singh University Meerut-250004 (UP), India (November 16-17, 2013).

10. National Conference on “Innovation in Science and Technology For Inclusive Development” The Indian Science Congress Association Haridwar Chapter Department of Chemistry, Ch. Charan Singh University, Meerut- 250004 (UP), India (March 22-23, 2014).
11. XXV National Symposium on Chronobiology – Time in Biology and Medicine. School of Life Sciences, Pt. Ravishankar Shukla University, Raipur, India. (March 27-29, 2015).
12. IndoUS Workshop & International Symposium on Biological Timing and Health Issues in the 21st Century, Department of Zoology, University of Delhi, Delhi, India (February 22-24, 2017).
13. National Seminar on Human Health in Presesnt Scenario, Dr. Ram Manohar Lohiya Govt. Degree College Aonia, Bareilly (UP), India (March 26-27, 2017).
14. National Symposium on Biodiversity and Natural Resources for Sustainable Development (NBRSD-2017) & 37th Annual Session of Academy of Environmental Biology, Ch. Charan Singh University, Meerut- 250004 (UP), India (November 24-26, 2017).
15. National Webinar on Impact of COVID-19 on Environment and Future Prospects, Department of Zoology, N.R.E.C. College, Khurja-203131 (UP), India (June 21, 2020).

10. Membership of scientific societies:

- *Life member, Indian Society for Chronobiology*
- *Life member, The Indian Science Congress Association Haridwar Chapter*

11. List of Publications:

Full length papers

1. A. Kumar, **Rohit Kumar Pandey**, I. Choudhary, D.K. Sharma and S.K. Bhardwaj (2010). Role of testosterone on body mass, body molts, primary flight feathers, plumage regeneration and testes in brahmyny myna (*Sturnus pagodarum*) (*The Scientific Temper*) 1: 39-46 (ISSN No.: 0976-8653).
2. **Rohit Kumar Pandey** and S.K. Bhardwaj (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 (Impact factor: 3.749). ISSN 0742-0528 (Print), 1525-6073 (Online)

3. S.K. Bhardwaj, **Rohit Kumar Pandey** and A. Kumar (2011). Responsiveness to photostimulation in two passeriform birds. (*Environment Conservation Journal*) 12(3): 23-28 (**Impact factor: 0.58**). ISSN: 2278-5124 (Online): ISSN: 0972-3099 (Print)
4. S. Kumar, **Rohit Kumar Pandey**, I. Choudhary and S.K. Bhardwaj (2012). Steroidal feedback on photoperiodic induction of testicular growth and development in two Indian species. (*Journal of Environmental Biology*) 33(1): 89-94 (**Impact factor: 0.703**). pISSN: 0254-8704.
5. S.K. Bhardwaj, A.K. Sharma and **Rohit Kumar Pandey** (2013). Effect of melatonin and prolactin on photoperiodic induction in body mass, testicular growth and feather regeneration in Indian weaver bird. (*Biological Rhythm Research*) 44(3): 451-456 (**Impact factor: 1.362**) ISSN: 0929-1016 (Print)
6. N. Rana, **Rohit Kumar Pandey** and S.K. Bhardwaj (2013). Avifauna of CCS university campus, Meerut (U.P.). (*Environment Conservation Journal*) 14(3): 151-159 (**Impact factor: 0.58**). ISSN: 0972-3099 (Print) ISSN: 2278-5124 (Online):
7. **Rohit Kumar Pandey** and S.K. Bhardwaj (2014). Effects of light intensity on circadian activity behaviour in the Indian weaverbird (*Ploceus philippinus*). (*Indian Journal of Experimental Biology*) 52(5): 510-515 (**Impact factor: 0.944**). ISSN: 0975-1009 (Online)
8. S. Malik, **Rohit Kumar Pandey** and S.K. Bhardwaj (2014). Effect of food on seasonal response in Indian weaver bird (*Ploceus philippinus*). (*Environment Conservation Journal*) 15(3): 19-28 (**Impact factor: 0.58**). ISSN 0972-3099 (Print) 2278-5124 (Online).
9. S.K. Bhardwaj and **Rohit Kumar Pandey** (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 (1): 223-229 (**Impact factor 2017: 1.816**) Print ISSN: 0021-8375; Online ISSN: 1439-0361.
10. **Rohit Kumar Pandey** and S.K. Bhardwaj (2015). Photoperiodic regulation of seasonal responses in Indian weaver bird (*Ploceus philippinus*). (*Biological Rhythm Research*). 46 (4) 483–495. (**Impact factor: 1.362**) ISSN: 0929-1016 (Print) 1744-4179 (Online).
11. P. Kumar, **Rohit Kumar Pandey** and S.K. Bhardwaj (2016). Food restriction affects circadian and photoperiodic response in black-headed munia (*Lonchura malacca malacca*). (*Biological Rhythm Research*) 47 (3): 475–482 (**Impact factor: 1.362**) ISSN: 0929-1016 (Print) 1744-4179 (Online).
12. **Rohit Kumar Pandey** and S.K. Bhardwaj (2016). Effect of differential photostimulation on induction of Fos-like immunoreactive cell (*c-fos*) in the MBH

region of Indian weaver bird. (*Biological Rhythm Research*) 47 (4): 641-648. (**Impact factor: 1.362**) ISSN: 0929-1016 (Print) 1744-4179 (Online).

13. I. Choudhary, **Rohit Kumar Pandey** and S.K. Bhardwaj (2022). Effect of T-photocycle and wavelength on photoperiodic induction in Indian weaver bird (*Ploceus philippinus*). (*Biological Rhythm Research*) 53 (3): 413-421. (**Impact factor: 1.362**) ISSN: 0929-1016 (Print) 1744-4179 (Online).
14. P. Arya, A. Kumar and **Rohit Kumar Pandey** (2023). Effect of photoperiod and temperature on physiological responses in brahminy myna (*Sturnus pagodarum*). (*Biochem. Cell. Arch.*) 23: 359-365. eISSN 0976-1772.

Abstracts

1. **Rohit Kumar Pandey** and S. K. Bhardwaj (2009). Light intensity influences the critical day length in the Indian weaver bird (*Ploceus philippinus*). Symposium on Functional Biology: Comparative aspects. (March 19-21, 2009) University of Lucknow, Lucknow (**A - 44: pp. 59**).
2. A.K. Baliyan, I. Choudhary, **Rohit Kumar Pandey**, D.K. Sharma and S.K. Bhardwaj (2009). Effect of complete and skeleton photoperiod on brahminy myna. Symposium on Functional Biology: Comparative aspects. (March 19-21, 2009) University of Lucknow, Lucknow (**A - 50: pp. 65**).
3. **Rohit Kumar Pandey**, I. Choudhary and S.K. Bhardwaj (2010). Subjective interpretation of day and night time light intensity on locomotor activity rhythm in Indian weaver bird (*Ploceus philippinus*). Symposium on Animal biodiversity: Physiological aspects of environmental strategies. (February 19-20, 2010) MMH College, Ghaziabad (**pp. 32**).
4. I. Choudhary, **Rohit Kumar Pandey** and S.K. Bhardwaj (2010). Light intensity regulates circadian activity rhythm in Indian weaver bird. Symposium on Animal biodiversity: Physiological aspects of environmental strategies. (February 19-20, 2010) MMH College, Ghaziabad (**pp. 48**).
5. A. Kumar, **Rohit Kumar Pandey** and S.K. Bhardwaj (2011). Responsiveness to photostimulation in two passeriform birds. National Seminar on Environmental Management & Biodiversity Conservation. (February 26-27, 2011) Action for sustainable efficacious development and awareness (ASEA), Rishikesh & MANU-International Council for Man and Nature, Omkarananda Institute of Management & Technology, Rishikesh (U.K.), India (**A - 30: pp. 23-24**).
6. **Rohit Kumar Pandey**, Isha Choudhary and S. K. Bhardwaj (2011). The zeitgeber strength affects synchronization and persistence of circadian rhythmicity in the Indian weaver bird. XXII National Symposium on Chronobiology. (March 15-17,

- 2011) Department of Zoology, Kurukshetra University, Kurukshetra, Haryana, India (pp. 24).
7. **Rohit Kumar Pandey** and S.K. Bhardwaj (2012). Light intensity effects on activity rhythm of Indian weaver bird. XXIII National Symposium on Chronobiology. (March 1-3, 2012) Department of Zoology, J.N.V. University, Jodhpur (A - 8: pp. 5).
 8. **Rohit Kumar Pandey** and S.K. Bhardwaj (2012). Effect of daylength and light intensity on photoperiodic induction of subtropical Indian weaver bird. 32nd Annual Session of The Academy of Environmental Biology and National Seminar on “Emerging pollutants and pathogens: Challenges and Risk Reduction”. (September 20-22, 2012) CSIR-Indian Institute of Toxicology Research, Lucknow-226001 (A - 46: pp. 35).
 9. **Rohit Kumar Pandey** and S.K. Bhardwaj (2012). Circadian behavior of the Indian weaverbird (*Ploceus philippinus*). International Congress on Chronobiology (ICC 2012) (Focal Theme: Biological Clocks and Health Issues in the 21st Century): A Joint Congress of the 27th Conference of The International Society for Chronobiology & 24th Conference of The Indian Society for Chronobiology (October 3-7, 2012) Department of Zoology, University of Delhi, Delhi, India (P - 60: pp. 105).
 10. **Rohit Kumar Pandey**, I. Chaudhary and S.K. Bhardwaj (2013). Photoperiod and wavelength dependent response on daily locomotor activity and testicular growth in Indian weaver bird (*Ploceus philippinus*). National Symposium on Innovative and Modern Technologies for Sustainable Agriculture & Rural Development (October 19-20, 2013) Society of Biological Sciences & Rural Development, Allahabad-211019 (UP) (A - 263: pp. 193).
 11. P. Kumar, **Rohit Kumar Pandey** and S.K. Bhardwaj (2014). Photoperiodic effects in Indian passerine birds. National Conference on “Innovation in Science and Technology For Inclusive Development” (March 22-23, 2014) ISCA Haridwar Chapter, Department of Chemistry, Ch. Charan Singh University, Meerut- 250004 (UP) (PP - 16: pp. 120).
 12. S. Malik, **Rohit Kumar Pandey**, P. Kumar and S.K. Bhardwaj (2014). Food richness and its responses in Indian weaver bird. National Conference on “Innovation in Science and Technology For Inclusive Development” (March 22-23, 2014) ISCA Haridwar Chapter, Department of Chemistry, Ch. Charan Singh University, Meerut- 250004 (UP) (PP - 23: pp. 122).
 13. **Rohit Kumar Pandey**, I. Chaudhary, P. Kumar and S.K. Bhardwaj (2015). Light wavelength effects on resynchronisation of circadian rhythms in Indian weaver. XXV National Symposium on Chronobiology – Time in Biology and Medicine.

(March 27-29, 2015) School of Life Sciences, Pt. Ravishankar Shukla University, Raipur, India.

- 14. Rohit Kumar Pandey** and S.K. Bhardwaj (2017). Photoperiodic changes modulate the physiological responses in Indian weaver bird (*Ploceus philippinus*). National Seminar on Human health in Present Scenario (March 26-27, 2017) Dr. Ram Manohar Lohiya Govt. Degree College Aonia, Bareilly (UP), India.
- 15. Rohit Kumar Pandey**, I. Chaudhary, and S.K. Bhardwaj (2017). Photoperiodic induction under 10L, 11L and 12L T-photocycle (T-22 or 26) with red and blue spectra in Indian weaverbird (*Ploceus philippinus*). National Symposium on Biodiversity and Natural Resources for Sustainable Development & 37th Annual Session of Academy of Environmental Biology (November 24-26, 2017) Ch. Charan Singh University, Meerut- 250004 (UP), India (**A - 42: pp. 86**).
- 16. R. Chhabra, Rohit Kumar Pandey** and S.K. Bhardwaj (2017). Effect of constant dim and bright light illumination on circadian behaviour in Indian weaverbird (*Ploceus philippinus*). National Symposium on Biodiversity and Natural Resources for Sustainable Development & 37th Annual Session of Academy of Environmental Biology (November 24-26, 2017) Ch. Charan Singh University, Meerut- 250004 (UP) India (**A - 41: pp. 85**).
- 17. S. Yadav, Rohit Kumar Pandey** and S.K. Bhardwaj (2017). Data analysis of photoperiodic affects to nighttime activity (*zugunruhe*) in redheaded bunting (*Emberiza bruniceps*). National Symposium on Biodiversity and Natural Resources for Sustainable Development & 37th Annual Session of Academy of Environmental Biology (November 24-26, 2017) Ch. Charan Singh University, Meerut- 250004 (UP) India (**A - 47: pp. 91**).
- 18. Rohit Kumar Pandey** , P. Kumar and S.K. Bhardwaj (2020). Environmental changes affect the migratory behaviour of Indian migratory birds. National Webinar on Impact of COVID-19 on Environment and Future Prospects (June 21, 2020) Department of Zoology, N.R.E.C. College, Khurja-203131 (UP) India (**A – PA 36: pp. 73**).