

Resume- Prof. Neelu Jain Gupta

drneelujgupta@hotmail.com Mobile: +91 9873900878.

1. **Present Position** : Professor and Head
Department of Zoology,
Department of Hospital Administration,
Chaudhary Charan Singh University,
Meerut, Uttar Pradesh
2. **Date of Birth** : August 15, 1967
3. **Educational Qualifications** : M. Sc. (Zoology, University topper)
M.Phil. (Zoology, University topper);
Ph. D. (1993)
4. **Research ,Teaching, Administrative experience** : 28 years
5. **Areas of Specialization:** Chronobiology/ Chronomedicine, Environment & Health



6. **Full length research papers:** 33 National: 09; International: 24; Book: 3
Citation indices : Citations- 285, h-index- 8, i10-index- 8, Cumulative Impact factor- 46;
Reviewer on board of 6 International scientific journal publishers like SAGE, Elsevier, Taylor and Francis, Brill etc.

7. Present positions & positions held:

- Coordinator University Activity Club (New Education Policy)
- Environment Nodal Officer CCS University
- Convenor Research Degree Committee CCS University, Meerut
- Member University NAAC team
- University Nodal officer, DigiShakti, Uttar Pradesh
- Handled financial investigations delegated by Honorable Vice Chancellor CCS University
- Executive member, Indians Society of Chronomedicine
- Expert, Research Degree Committee of CSJM University, Kanpur
- Assistant Dean Students Welfare, CCS University
- Head/ Coordinator, Department of Hospital Administration, CCS University
- Member, University Examinations Flying Squad CCS University
- Chief Editor, Newsletter, Indian Society for Chronobiology (2019- 2021)
- Partnered startup Specialization in Chronobiology in MSc Zoology at CCS University (2018).
- Member Secretary, Institutional Human Ethical Committee, CCS University
- Head, Department of Zoology, Chaudhary Charan Singh University
- Chairperson, Institutional Animal Ethical Committee (IAEC) and Animal House In charge
- Member, Academic Council, CCS University (2020 onwards).
- Organized National/international conference 2010, 2019 and worked as member of organizing committee in international conferences.
- Faculty for DST-SERC schools several times 2007-2012
- Currently collaborating a “**Man Animal Conflict study**” with Samajik Prani Vibhag of Wildlife Department Uttar Pradesh intended to submit a report to be included in rationalization of Hastinapur sanctuary boundaries

1994 – Current – UG & PG member admission committees, Examination committees.

1998 – Current – University paper setting and examiner at different level of university education.

2011 – Current - Convener, Institutional Website Committee.

2010 – 2012 - Raccki Officer (Hon.), **Civil Defense, Ghaziabad. A-1 Vishisht (Excellence) grade** at Central Civil Defense Training Institute, Lucknow, UP, INDIA.

8. Academic/ Research Excellence-

- **University Grants Commission- National Research Award** 2011 executed 2012–14 at University of Delhi
- **Honorary-Fellowship of Indian Society of Chronomedicine 2021**
- 2018 Shortlisted for Distinguished Investigator Award SERB- DST, New Delhi, India
- 2002 Awarded 1st rank, Zoology Refresher Course ASC, University of Allahabad. INDIA.
- 1991 GATE 1991 – 84.37 percentile
- 1989 NET– JOINT CSIR-UGC for lectureship
- University topper- MSc Zoology 1989; MPhil Zoology 1990

9. Research grants executed-

As PI-RESEARCH PROJECTS Amount to more than 1.4 crores

2021- Circadian Disruption in Food and Sleep Rhythms in Rural and Urban School Studies. GO No.- 108/2021/2585/70-4-2021-4(28)/2021

2020- ongoing core grant MRP worth **Rs. 52.9 Lakhs funded by SERB, DST, India**

2012-2016 Completed– “A study on behavioral and physiological correlates of photoperiod-induced migratory phenotype in the Palaearctic-Indian night-migratory songbirds” funded by the Department of Science and Technology, India.

2012-2014 Completed– UGC National Research Award

2007-2010 Completed– “Photoperiodic regulation of Seasonality in Blackheaded Munia” funded by the University Grants Commission of India.

2002-2004 Completed– Minor Research Project funded by the University Grants Commission of India.

1993-1994 Completed– Senior Research fellowship funded by Council of Scientific and Industrial Research, New Delhi

Besides travel grants from national funding agencies.

10. Service details:

First appointed by UP higher education commission in PPN College Kanpur on 15 January 1994; transferred to MMH College Ghaziabad on 1 December 2006 worked as UGC research awardee in University of Delhi 2012 to 2014 and currently working as Professor & Head, Department of Zoology and Department of Hospital administration.

11. Social Outreach And News Coverages

Research news published in national dailies- **Hindustan Times and The Hindu**; Personal national and select local News coverages compiled

7 day COVID outreach amid 1st lockdown crisis to motivate University employees.

12. Work Abroad

2014- SALK Institute for Biological Studies, SD, CA, US. Collaborator-Prof. Satchidananda Panda.

1992- Department of Zoology, University of Bristol, Bristol, UK, worked with Prof. Sir Brian Follett FRS.

13. Research Supervision

Ph. D. Completed/enrolled – **06**

M.Phil.- 02; M.Sc. Biotech. Completed – **01**

14. Invited Participation/ Lectures

Prolific speaker, Various keynote talks, Expert talks on Public Health on platforms of AIIMS, KGMU and other university. Scientific deliberations delivered in countries including UK, USA and Czechoslovakia.

2021 Invited lecture- Indian Society of Chronomedicine, **Noida**, December 2021

2021 Invited lecture- 24th World Congress on Clinical Nutrition & 1st World Congress of Medical Food and Nutrition, **Haridwar**, October 2021

2020 Invited lecture- World Congress on Chronomedicine, **Khajurao**, December 2020

2019 Invited lecture- Wellness Con- 2019, International Conference on Wellness, Chhatrapati Shahu Ji Maharaj University, **Kanpur**, November 2019

2019 Invited lecture- Regional Workshop on “Water, Millet, Nutrition Cultures” Deen Dayal Research Institute, **Nagaland**, August 2019

- 2019** Invited lecture- 7th Annual Conference of Diabetes Research and Welfare Association, **Kolkata**, May 2019
- 2019** Invited lecture- National Conference on Frontiers in Environment, Health & Biosciences, Chhatrapati Shahu Ji Maharaj University, **Kanpur**, February 2019
- 2018** Invited lecture- International Conference on Nutritional Biochemistry, **Prague, Czech Republic** September 2018
- 2018** Invited lecture- World Congress on Chronomedicine, Kasturba Gandhi Medical College, **Lucknow**, November 2018
- 2017** Invited lecture- IndoUS Center for Biological Timing organized International Symposium on Biological Timing and Health Issues in the 21st Century, University of Delhi, February 2017
- 2016** Invited lecture- International symposium (GiAgT-2016) at SRM University, Modinagar. 2016
- 2016** Invited lecture- World Congress on Chronomedicine, Kasturba Gandhi Medical College, **Lucknow**, October 2016
- 2016** Invited lecture- Mysore University, **Mysore**, June 2016
- 2015** Invited lectures- Pt. RS University, **Raipur**, March 2015
- 2015** Invited lectures- SSV College, **Hapur**, April 2015, RG College **Meerut**, December 2015
- 2015** Invited lecture- International congress on Comparative Endocrinology and Interactive Physiology, **Trivandrum**, Kerala from 3-7, August 2015
- 2012** Invited Lecture-National Symposium on Chronobiology, JN Vyas University **Jodhpur** from 1-4, March 2012
- 2011** UGC-SAP (DRS-1) program in Zoology, **Lucknow** University, 30- 31 March 2011
- 2011** Invited faculty in DST-SERC School on Clocks and Rhythms-III, 01 – 14 Oct 2011, CCS University, **Meerut**.
- 2010** Invited faculty in DST-SERC School on Clocks and Rhythms-III, 24 Dec. – 7 Jan 2011, University of Delhi, **Delhi**.
- 2010** Invited faculty in 3rd DST-SERC School on Clocks and Rhythms, 24th Dec – 8th Jan 2010, Jawaharlal Nehru Centre for Advanced Scientific Research, **Bangalore**
- 2009** Invited faculty in 2nd DST-SERC School on Clocks and Rhythms, 6th June – 20th June 2009, NEH University, **Shillong**.
- 2008** Invited faculty in 1st DST-SERC School on Clocks and Rhythms, 12th Oct. – 25th Oct 2008, Lucknow University, **Lucknow**.
- 2005** Guest lecture “Time & Environment” : Refresher course 2005-Environ. Awareness under U.G.C., N. Delhi and ACEE, C.S.J.M.U, **Kanpur**.

Few more important ones

- 2015** 3rd National NCD Summit – Synergizing efforts in Diabetes Care on 12 August 2015, India Habitat Centre in New Delhi
- 2014** 2nd National NCD Summit on Diabetes Care, ITC Maurya, New Delhi, 18 July 2014
- 2014** CCB Chronobiology Symposium, University of California, SD, California, US.
- 2014** Nature IPSEN Salk Symposium, Salk Institute of Biological Sciences, SD, CA, USA
- 2012** International Congress on Chronobiology, University of Delhi
- 2010** XVII National Symposium on Chronobiology 1st- 4th Feb 2010 Jamshedpur Cooperative College, Jamshedpur.
- 2009** Symposium on Functional Biology. 19th Mar. – 21st Mar 2009, Lucknow University, Lucknow.
- 2008** 4th Asian Oceania Conference on Photobiology, 24th -26th Nov. 2008 at BHU Varanasi.

LIST OF PUBLICATIONS

1. Chand, B., Chandra Pal Sharma, Sweekriti Malik and **Neelu Jain Gupta** (2021). Crosstalk between circadian rhythms, sleep and eating habits to improve public health. *Journal of Applied and Natural Science*, 13(4), 1470 - 1477. <https://doi.org/10.31018/jans.v13i4.3155>
2. **Neelu Jain Gupta**, Samya Das, Anit Kumar and Sanjay Kumar Bhardwaj and Nidhi Yadav (2021). Short term effects of restricted food availability and peripheral leptin injections in redheaded bunting, *Emberiza bruniceps*. *Journal of Applied and Natural Science*, 13(4), 1430 - 1436. <https://doi.org/10.31018/jans.v13i4.3139>
3. Khare, A., Sharma, C.P., **Neelu Jain Gupta** 2021 Time Transition of Routines in Fast Food Consumption-Importance to Public Health, *J Clin of Diagn. Res.* 15(7), OC24-OC28. <https://www.doi.org/10.7860/JCDR/2021/48560/15121>
4. **Neelu Jain Gupta**, Ranjan Kumar Nanda, Samya Das, Mrinal Das, and Rakesh Arya 2020 Night migratory songbirds exhibit metabolic ability to support high aerobic capacity during migration. *ACS Omega*. Ahead pub. **(IF-2.8)**
5. **Neelu Jain Gupta**, A. Khare 2020 Disruption in daily eating-fasting and activity-rest cycles in Indian adolescents attending school. *PLoS ONE* 15(1): e0227002. <https://doi.org/10.1371/journal.pone.0227002> **(IF-2.74)**
6. **Neelu Jain Gupta** 2019 Lifestyle and circadian health: where the challenges lie. *Nutrition and Metabolic Insights*. 12:1178638819869024. doi:10.1177/1178638819869024 **(IF-4.25)**
7. Trivedi, A.K., Sur, S., Sharma, A., Taufique, SKT, **Neelu Jain Gupta** and V. Kumar 2019 Temperature alters the hypothalamic transcription of photoperiod responsive genes in induction of seasonal response in migratory redheaded buntings. *Molecular and cellular endocrinology* 493:110454. DOI =10.1016/j.mce.2019.110454}, PMID:31121264 **(IF-3.6)**
8. Sharma A., Singh D., Malik S., **Neelu Jain Gupta**, Rani S. and V. Kumar 2018 Difference in control between spring and autumn migration in birds: insight from seasonal changes in hypothalamic gene expression in captive buntings. *Proc. R. Soc. B* 285: 20181531.doi:10.1098/rspb.2018.1531 **(IF-5.14)**
9. **Neelu Jain Gupta**, Das, S., Das, M., Arya, R. and R.K. Nanda 2019 Diurnal variations in serum metabolites of wintering redheaded buntings. *BioRxiv preprint*. doi: <http://dx.doi.org/10.1101/561407>
10. **Neelu Jain Gupta**, Kumar, V. and S. Panda 2017 A camera-phone based study reveals erratic eating pattern and disrupted daily eating-fasting cycle among adults in India. *PLoS ONE* 12(3): e0172852. doi:10.1371/journal.pone.0172852 **(IF-4.415)**
11. Dixit, A.S., **Neelu J. Gupta**, Dwivedi V. and S.K. Bhardwaj 2017 Control of annual gonadal cycles in Indian songbirds *Biol. Rhythm Res.*, 48:5, 701-721, DOI: 10.1080/09291016.2017.1345437. **(IF-0.892)**
12. **Neelu Jain Gupta** Rhythms in marine invertebrates: managing intertidal life alongside daily program. *Examines Mar Biol Oceanography minireview* 1(1). EIMBO.000504.
13. S. Das and **Neelu J. Gupta** 2016 Seasonal modulation of diurnal food consumption in Indian songbirds. *Biol. Rhythm Res.*, 47:4, 621-629, DOI: 10.1080/09291016.2016.1178415 **(IF-1.02)**

14. **Neelu J. Gupta** and S. Das 2016 Even a mild spell of cold weather affects feeding in migrating redheaded buntings. Biol. Rhythm Res., 47:1, 123-131 DOI: 10.1080/09291016.2015.1088187 **(IF-1.02)**
15. Majumdar, G, Trivedi, AK, **Neelu J. Gupta** and V. Kumar 2015 Circadian Synchronization determines critical day length for seasonal responses. Physiology and Behavior 147: 282–290 **(IF-3.6)**
16. **Neelu J. Gupta**, Kumar, A and S. K. Bhardwaj 2015 Photo-gonadal response of Indian brahminy myna to resonance cycles in different seasons Biol. Rhythm Res., 46:1, 33-38, DOI: 10.1080/09291016.2014.941231 **(IF-1.26)**
17. **Neelu J. Gupta**, 2014 Daily and seasonal activity patterns in blackheaded munia. Indian Journal of Experimental Biology 52: 504-509. **(IF-1.295)**
18. **Neelu J. Gupta** and V. Kumar 2013 Testes play a role in termination but not in initiation of the spring migration in the night-migratory blackheaded bunting. Ani. Biol. Netherlands 63 (2013) 321–329 **(IF-0.89)**
19. **Neelu J. Gupta** 2013 Role of day length in the regulation of annual testicular cycle in male black-headed munia, Biological Rhythm Research, DOI: 10.1080/09291016.2013.842379 **(IF-1.26)**
20. **Neelu J. Gupta**, Shukla, J. and R. K. Dayal 2010 Effect of daily time of food availability in regulation of seasonal gonadal growth in black headed munia, *Lonchura malacca*. J. Exp. Zool. 13(2): 513- 515
21. **Neelu J. Gupta** 2009 Photoperiodic control of gonadal growth in the blackheaded munia. J. Exp. Zool 12(2): 425- 428
22. V. Kumar, **Neelu Jain** and B. K. Follett 1996 The photoperiodic clock in blackheaded buntings (*E. melanocephala*) is mediated by a self-sustaining circadian system. J. Comp. Physiol. 179: 59-64. **(IF-2.04)**
23. Kumar, B. S. Kumar and **Neelu Jain** 1996 Effects of late afternoon administration of melatonin on photoperiod-induced responses in buntings. Indian J. Exp. Biol. 34: 220-225. **(IF-1.295)**
24. V. Kumar and **Neelu Jain** 1995 Circadian regulation of melatonin secretion in blackheaded buntings *Emberiza melanocephala* Scopoli. Indian J. Exp. Biol. 33: 333-336 **(IF-1.295)**
25. **Neelu Jain** and V. Kumar 1995 Changes in food intake, body weight, gonads and plasma concentrations of thyroxine, luteinizing hormone and testosterone in captive male buntings exposed to natural daylengths at 29°N. J. Biosci. 20: 417-426 **(IF-1.946)**
26. V. Kumar, **Neelu Jain** and B. P. Singh 1994 Nature of circadian rhythm of photoperiodic photosensitivity in the blackheaded buntings (*Emberiza melanocephala*). Indian J. Exp. Biol. 32: 789-792 **(IF-1.295)**
27. B.P. Singh, B.S. Kumar, **Neelu Jain** and V. Kumar 1993 Photoperiod modifies locomotor activity pattern in migratory blackheaded bunting, *E. melanocephala*. pp. 121-127-Chronobiol (AK Pati, ed.) RSU, Raipur
28. V. Kumar, **Neelu Jain**, B. P. Singh and B. S. Kumar 1993 Plasma levels of luteinizing hormone in intact and castrated photosensitive blackheaded bunting (*Emberiza melanocephala*) exposed to stimulatory and nonstimulatory photoperiods. Reproduction, Nutrition and Development 33: 143-150 **(IF-1.92)**

Chapters

1. In: Biol. Timekeeping: Clocks, Rhythms and Behaviour (ed. V Kumar) Springer. ISBN

- 978-81-322-3688-7_21: Sarkisian, **N J Gupta** and S. Panda 2017 Circadian regulation of metabolism in health and diseases.
2. Chap_31: **Neelu J. Gupta** et. al.- Orientation in Migrating Animals: Role of Biological Clocks.
 3. S.K. Bhardwaj and **Neelu J. Gupta** 2018 Migration in marine animals. In Water Biology (eds. Khanna and Bhutiani) ISBN no. 978-935056-888-0. Discovery publishing house Pvt. Ltd. New Delhi.

LIST OF BOOKS AUTHORED/ PUBLISHED

Local Books

1. Neelu J. Gupta Biorhythms, Yoga And Meditation 2016 ISBN No. 978-93-82297-086 Crossbill Publications. India
2. Neelu J. Gupta The Human Eating Behavior-Food Facts Unfolded 2015 ISBN No. 978-93-82297-475 Crossbill Publications. India