

# CURRICULUM VITAE

**Dr. Vivek Verma**

**Assistant Professor**

Department of Zoology

Faculty of Science

KNPG College, Gyanpur, Bhadohi

**Qualification: Ph.D., NET JRF**

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## **Education qualification**

- ✚ Ph.D. in Zoology (Awarded in 2022) from Department of Zoology, Banaras Hindu University, Research Expertise – Circadian biology, Neuroscience & Molecular Biology.
  - ✚ M.Sc. in Zoology (Specialization – Biochemistry) from Banaras Hindu University, Varanasi, Passing year - 2016, 73.0%.
  - ✚ B.Sc. (Hons.) – Zoology from Banaras Hindu University, Varanasi, Passing year - 2014, 76.10%.
  - ✚ Std. XII (Science) – ICSE Board from Bal Bharti Public School, Lohatiya, Varanasi. Passing year – 2010, 60.50%.
  - ✚ Std. X – ICSE Board from Bal Bharti Public School, Lohatiya, Varanasi. Passing year – 2008, 66.71%.
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## **Awards/Scholarships/Achievements**

- ✚ Qualified CSIR NET JRF – December 2016, AIR- 40.
  - ✚ Qualified GATE - Life Science – 2017.
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## **Research Details**

- ✚ Ph.D. Title – Effects of prolonged light and dark alterations on circadian rhythm responses of the diurnal squirrels, *Funambulus pennantii*
  - ✚ M.Sc. Dissertation on “Role of cell cycle proteins in maintenance of diplotene arrest”.
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## **List of Publications**

- ✚ Kumari R, Verma V, Kronfeld-Schor N, Singaravel M. 2021. **Differential response of diurnal and nocturnal mammals to prolonged altered light-dark cycle: a possible role**

of mood associated endocrine, inflammatory and antioxidant system. *Chronobiology International*. 38(11): 1618–1630.

- ✚ Verma V, Kumari R, Singaravel M. 2021. **Chronic altered light-dark cycle differentially affects hippocampal CA1 and DG neuronal arborization in diurnal and nocturnal rodents.** *Chronobiology International*. 39(5), 665–677.
  - ✚ Kumari, R., Verma, V., & Singaravel, M. 2024. **Simulated Chronic Jet Lag Affects the Structural and Functional Complexity of Hippocampal Neurons in Mice.** *Neuroscience*, 543, 1–12.
  - ✚ Book Chapter: Verma V, Kumari R, Singaravel M. 2021. **Circadian Clock: Photoc Regulation and Its Disruption on Health.** 123-159: Nova Publisher, USA. doi: 10.52305/GXME8274.
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### Workshops/Conferences attended

- ✚ Invited talk on International Conference on Advances in Biological Sciences for Sustainable Development (1-2 March 2024) organized by Department of Zoology, Central University of Jammu.
- ✚ Participated in 7-days hands-on Workshop for College Teachers on Using *Drosophila melanogaster* for Biology Laboratory from 20 September to 26 September 2024 at the Cytogenetics Laboratory, Department of Zoology, Banaras Hindu University, Varanasi.
- ✚ Participated and presented a paper on the topic “Impact of Global Revolutionary Movements on Indian National Movement” in Two-Days National Seminar on Martyrdom and Legacy: Role of Revolutionary Movement in Indian Freedom Struggle (11-12 April 2025), Organized by Department of History, G.D. Binani P.G. College, Mirzapur.
- ✚ Participated and presented a paper on the topic “Economic Impact of Mahakumbh 2025 in India” in One Day National Seminar on Impact of Mahakumbh 2025 in society (06 February, 2025), Organized by Department of Higher Education, Prayagraj.
- ✚ Participated and presented a paper on the topic “A Significant Role of AtmaNirbhar Bharat Abhiyan in Transforming Indian Economy: Its Opportunities and Challenges” in Two Days National Seminar on Self-Reliant India: Challenges and Prospects (24-25 March, 2023) Organized by Faculty of Commerce, Kashi Naresh Govt. P.G. College, Gyanpur.
- ✚ Participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on April 26, 2022, organized by Intellectual Property Office, India.
- ✚ International Virtual Conference on the topic “Recent Trends in Animal Sciences” (March 25th - 27th, 2022) organized by Ecophysiology Thrust Area, Centre of Advanced Study, Department of Zoology, Institute of Science, Banaras Hindu University, Varanasi -221005,

India. Participated in the conference as an oral presenter and was awarded the **Second Prize** under the theme of Circadian Biology.

- ✚ Participated in Online workshop on “Design Thinking, Critical Thinking and Innovation Design & Achieving Problem-Solution Fit & Product-Market Fit” organized by IIC, K. N. Govt. PG College, Gyanpur, Bhadohi, U.P from 8th-9th March 2022.
- ✚ International Conference on Chronobiology - Time in the living world (15-17 July 2021). The conference consisted of over 30 talks by eminent scientists from the USA, Australia, Europe and India.
- ✚ International Conference on neuroscience and XXXVI Annual meeting of Indian Academy of Neurosciences on topic “Translational Research in Improving Mental Health” (29-31 October 2018) organized by Centre of Advanced Study, Department of Zoology, BHU, Varanasi.
- ✚ International Conference on “Present, Past & Future of AYUSH Education and Research” (26-27 July 2018) organized by Department of Rachana Sharir, Faculty of Ayurveda, IMS, BHU, Varanasi and Baikunthi AYUSH Research and Social Welfare Society, Lucknow.
- ✚ National Workshop on “Teaching and Research Methodology” (19-25 July 2018) organized by Department of Rachana Sharir, Faculty of Ayurveda, IMS, BHU, Varanasi and Baikunthi AYUSH Research and Social Welfare Society, Lucknow.
- ✚ Workshop on Awareness and Sensitization towards use of Animals in Teaching and Research as per CPCSEA and UGC Guidelines (16 April 2018) organized by Department of Zoology, Institute of Science, BHU, Varanasi.
- ✚ Workshop and Hands-on-Training for Animal Behavior Techniques (30 January to 1 February 2019).
- ✚ Participated in Symposium on Frontiers of Sciences (Present & Future) – Life Sciences (13-14 March 2019).

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## Technical Skills

- ✚ Behavioral test like Barnes maze, Open field and NOR.
- ✚ Immunohistochemistry.
- ✚ Western Blotting.
- ✚ Semi quantitative and Quantitative PCR.
- ✚ Staining like Golgi-Cox, Cresyl violet and Haematoxylin-Eosin.
- ✚ Enzyme assay like SOD and CAT.
- ✚ Sectioning technique like Cryotome and Vibratome.

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