

Curriculum Vitae

STANZIN LADOL

Assistant Professor
Department of Zoology
Central University of Jammu
Bagla, (Rahya Suchani-181143)
Distt. Samba, Jammu,
Jammu and Kashmir, India



Mobile: +91-9149937456
E-mail: stladol22@gmail.com

EDUCATIONAL QUALIFICATIONS

- Ph.D. in Neurobiology (2022), School of Life Sciences, Jawaharlal Nehru University, New Delhi, India.
- Masters in Zoology (2012), Department of Zoology, University of Jammu, Jammu and Kashmir, India.
- Bachelors in Science (2010), Panjab University (Government College for Girls, Sector 11), Chandigarh, India.
- Post-Matric in Medical (CBSE-2007), DAV School, Sector 15, Chandigarh, India.
- Matriculation (CBSE-2005), Lamdon Model Senior Secondary School, Leh-Ladakh, India.

FELLOWSHIP / AWARDS

- Qualified CSIR/UGC-NET/JRF Examination held on 17th June 2012.
- Qualified ICMR-JRF Examination held on 14th July 2013.
- Qualified JNK-SET Examination held on 1st September 2013.

TEACHING / RESEARCH EXPERIENCE

- **August 2016–Till Date:** Assistant Professor at the Department of Zoology, Central University of Jammu, Bagla, (Rahya Suchani), Distt. Samba, Jammu, Jammu and Kashmir-181143.
- **July 2015-August 2016:** Senior Research Fellow (SRF), School of Life Sciences, Jawaharlal Nehru University, New-Delhi-110067.

- **July 2013-July 2015:** Junior Research Fellow (JRF), School of Life Sciences, Jawaharlal Nehru University, New-Delhi-110067.

TECHNICAL EXPERTISE

Stereotaxic surgery (implanting of electrodes for electrophysiology and delivery of active compounds in the rat brain), EEG recording, animal behavioral studies (Rat/Mice handling and training; performing and analyzing of Morris water maze, open field test, light/dark chambered test, and three-chambered sociability test), biochemical analysis, histology, IHC, Immunological techniques, and molecular biology techniques (DNA, RNA, Protein isolation).

AREA OF INTEREST

Neurobiology, Gerontology, Neuroethology, Cognitive biology, Neurotoxicology, Neuroimmunology, Clinical Neuroscience, Neurogenetics, and Computational Neurobiology.

PUBLICATIONS

1. **Ladol S**, Kumar A, Sharma D. 2023. Nutritional and health benefits of high-altitude wild food plant, *Hippophae rhamnoides* for the Himalayan Communities. https://doi.org/10.1007/978-981-19-6502-9_6 ISBN: 978-981-19-6501-2
2. **Ladol S**. 2022. Revolutionary Approaches of Induced Stem Cells in Disease Prevention. Biotechnological Advances for Microbiology, Molecular Biology, and Nanotechnology: An Interdisciplinary Approach to the Life Sciences. <https://doi.org/10.1201/9781003161158> ISBN: 9781003161158
3. **Ladol S**, Sharma D. 2021. The effects of *Hippophae rhamnoides* in neuroprotection and behavioral alterations against iron-induced epilepsy. *Epilepsy Res.* Sep;175:106695. doi: 10.1016/j.eplesyres. 2021.106695. Epub 2021 Jun 24. PMID: 34186382. ISSN: 0920-1211
4. **Ladol S**, Sharma D. 2021. Pharmacotherapeutic Effects of *Hippophae rhamnoides* in Rat Model of Post-traumatic Epilepsy in View of Oxidative Stress, Na⁺,K⁺ATPase Activity and Sodium Ion Channel Expression. *Acta Scientific Neurology.* 4. 02-11. 10.31080/ASNE.2021.04.0359. ISSN: 2582-1121
5. Das J, Singh R, **Ladol S**, Nayak SK, Sharma D. 2020. Fisetin prevents the aging-associated decline in relative spectral power of α , β and linked MUA in the cortex and behavioral

alterations. *Exp Gerontol.* Sep;138:111006. doi: 10.1016/j.exger.2020.111006. Epub 2020 Jun 24. PMID: 32592831. ISSN: 0531-5565

CONFERENCE AND WORKSHOPS

- Participated in an International Webinar on “Current Environment Legislations and Regulations w.r.t Industry for Sustainable and Self-Reliant India” held on 19th November 2021 organized by the Alumni Association of JNU.
- Participated in the National Webinar on “Environment Ethics and Ecological Restoration: Issues and Strategies” on 5th June 2021 organized by the Directorate of Research, Maharana Pratap University of Agriculture and Technology, Udaipur, Rajasthan.
- Participated in a 2 hours online workshop on the topic “Antibody Sequencing Analysis” on 2nd April 2021 organized by BDG Life Sciences (OPC) Pvt. Ltd. India.
- Participated in the Brain Research Webinar on “Women in (Neuro)Science” organized by Research Academy on Campus, Elsevier on 24th February 2021.
- Participated in the Webinar on “Search, Research and Publication Ethics” organized by DBC Library and IQAC, Deshbandhu College, the University of Delhi on 24th July 2020.
- Participated in a five-day workshop on “Hands-on Workshop on Handling and Care of Laboratory Animals” held on 15th-19th February 2020 at School of Life Sciences, Jawaharlal Nehru University, New Delhi organized by SLS, JNU in collaboration with CPCSEA.
- Oral presentation at “19th Biennial Conference of Association of Gerontology (India) and Multi-disciplinary Workshop on Emerging Scenario of Population Ageing” held on 17th-18th August 2019 at AIIMS, New Delhi.
- Participated in a one-day Workshop on “Joining hands: Combating Illegal Wildlife Trafficking” held on 26th March 2019 organized by the Department of Wildlife Protection, Jammu and Kashmir at Manda Deer Park, Jammu.
- Participated in a one-week workshop on “eSuraksha: A Practical Approach on Network & Web Application Security” held on 10th-14th December 2018 organized by the Department of Computer Science & Information Technology in collaboration with C-DAC, Mohali.
- Participated in a one-day seminar on “Raman Spectroscopy and MicroArray Printing” held on 20th August 2018 organized by the School of Biotechnology, Shri Mata Vaishno Devi University (SMVDU), Katra, Jammu and Kashmir in collaboration with Labindia Instruments Pvt. Ltd.

- Poster presentation at the National Level Seminar on “Science & Technology for the Unreached: Notions, Values and Applicability” held from 20th-21st April 2018 organized by Govt. Degree College, Samba, J&K.
- Participated in National Conference on “Climate Change, Societal Consequences, and Mitigation: Future Vision” (NCCCSCM-2018) held on 26th-27th April 2018 organized by the Department of EVS, Central University of Jammu.
- Participated in a one-day workshop on “World Health Day-2018” held on 9th April 2018 organized by Central University of Jammu.
- Participated in a two-day national workshop on “Drug Discovery Technology-Computational Approaches in Drug Discovery & Design” held on 18th-19th January 2018 organized by the Department of Biomedical Sciences, Shaheed Rajguru College of Applied Sciences for Women, New Delhi.
- Oral presentation at International Conference on “Emerging Trends in Biomaterial, Bio-imaging, Bioscience and Applied Biotechnology” held on 18th January 2018 organized by Educational Foundation at Jawaharlal Nehru University, New-Delhi.
- E-Poster presentation at the 3rd International Conferences on “Epilepsy and Treatment” held from 31st August- 01st September 2017 in Brussels, Belgium.
- Participated in a two-day workshop on “Plagiarism and Reference Management Tools” held from 30th June- 1st July 2017 at JNU, New Delhi.
- Participated in a five-day workshop on “Yoga: A way to happy life” held from 17th June- 21st June 2017 at JNU, New Delhi.
- Oral and Poster presentation at the National Symposium on “Recent Trends in Biotechnology and Drug Discovery” held from 30th-31st March 2017 at SMVDU, J&K.
- Poster presentation at the “12th JK Science Congress” held from 2nd-4th March 2017 at the University of Jammu, Jammu.
- E-Poster presentation at the 2nd International Conference on “Epilepsy and Treatment” held from 20th-21st October 2016 in Rome, Italy.
- Poster presentation at “11th Asian and Oceanian Epilepsy Congress” organized by International League Against Epilepsy at Convention and Exhibition Centre, Wan Chai, Hong Kong; 13th-16th May 2016.

- Poster presentation at International Conference on “Biomaterials, Biodiagnostics, Tissue Engineering, Drug Delivery and Regenerative Medicine” organized by Centre for Biomedical Engineering, Indian Institute of Technology, New Delhi; 15th-17th April 2016.
- Participated in a four-day workshop on “Recent Trends in Biomaterials, Biodiagnostics, Tissue Engineering, Drug Delivery and Regenerative Medicine” organized by Centre for Biomedical Engineering, Indian Institute of Technology, New Delhi; 14th-17th April 2016.
- Participated in a two-day workshop on “EAW: Mind Mapping for Academic Writing” organized by the Linguistic Empowerment Cell, Jawaharlal Nehru University, New Delhi; 6th -7th April 2016.
- Participated in the National Conference on “Environmental Pollutions: Impact Assessment and Remediation” organized by School of Environmental Sciences, JNU, New Delhi; 18th - 19th March 2016.
- Poster presentation at Science Day 2016 organized by Jawaharlal Nehru University, New Delhi held on 26th February 2016.
- Participated in the National Symposium on “Geogenic Contamination of Groundwater: Its Impact and Mitigation Strategies” (GCG 2016) at TERI University, New Delhi.
- Poster presentation at the International Conference on “Innovative Research in Biotechnology, Biomedical Sciences, Bioinformatics and Stem Cell Applications (BSC)” organized by the Krishi Sanskriti at Jawaharlal Nehru University, New Delhi; 30th January 2016.
- Participated in a one-day workshop on “Essential Skills for the 21st Century Researcher” organized by Consultancy Development Center and SkyQuest Technology Group at Indian Habitat Centre, New Delhi; 12th January 2016.
- Participated in National Seminar on “Recent Trends in Nano-Bio interface” organized by the Special Centre for Nanosciences, Jawaharlal Nehru University, New Delhi; 18th December 2015.
- Participated in a two-day workshop on “EAW: Spoken English and Presentation Skills” organized by the Linguistic Empowerment Cell, Jawaharlal Nehru University, New Delhi; 4th -5th December 2015.

- Participated in the International Conference on “Neurosciences: Brain plasticity and Neurological Disorders” organized by the Department of Zoology, School of Life Sciences, Rawenshaw University at Cuttack, Odisha, India; 9th -11th November 2013.

PROFESSIONAL DEVELOPMENT COURSES

- Completed 12-week Faculty Development Program “Experimental Biotechnology” from 8th August – 20th October 2022 offered by IIT-Guwahati through NPTEL-SWAYAM.
- Completed two-week Faculty Development Program “Recent Development in Security: IoT, Blockchain, and Cyber Security” from 19th-23rd September 2022 organized by the Central University of Jammu.
- Completed two-week refresher course in Zoology from 15th-29th December 2021 organized by Teaching Learning Centre, Ramanujan College, University of Delhi, and obtained Grade-A.
- Participated in a 5-day ATAL online FDP “Artificial Intelligence/Artificial Wisdom-A Drive for Improving Behavioral and Mental Health Care” from 6th-10th September 2021.
- Completed a 4-week IIC Online Sessions conducted by Institution’s Innovation Council of MHRD’s Innovation Cell, New Delhi from 28th April-22nd May 2020 during Covid-19 nationwide lockdown.
- Completed a 10-week online course “Understanding the Brain: The Neurobiology of Everyday Life” offered by The University of Chicago on 8th January 2019 with a grade of 86%.
- Participated in a one-day “NPTEL AWARENESS WORKSHOP” conducted by the Indian Institute of Technology Kanpur on 3rd December 2018 at Central University of Jammu.
- Participated in the 10 days AICTE-ISTE Refresher Programme “Scale Development for Faculty Members and Scholars” organized by the Department of Human Resource Management and Organisational Behaviour, School of Business Studies in collaboration with Faculty Induction Development Cell (FIDC), Central University of held from 3rd-12th December 2018 and obtained Grade-A.
- Participated in a one-day workshop “NAAC Assessment and Accreditation Awareness Programme” on 27th August 2018 organized by the Directorate of Internal Quality Assurance, University of Jammu.

- Participated in the General Orientation Course (GOC) organized by Faculty Induction Development Cell (FIDC), the Central University of Jammu in line with provisions of UGC-HRDC held from 25th May-25th June 2018, and obtained Grade-A.
- Completed an online course “Writing in the Sciences” offered by Stanford University in October- 2017.
- Participated in a two-day Professional Development Programme on “Online Teaching, Learning, and Assessment using Moodle MOOC Platform & Open Educational Resources” held on 15th-16th September 2017 organized by Central University of Jammu.
- Completed an online course in “Focus on Peer Review” offered by Nature Masterclasses in the month of September 2017.

MISCELLANEOUS

- Member of Organizing Committee: National Conference on “Emerging Trends in Genetic Engineering and Molecular Biology” held from 28th-29th September 2022 at Central University of Jammu.
- Member of Organizing Committee: Van Mahotsav-2018, Central University of Jammu.
- Member of Organizing Committee: UDAAN-2018, Annual Cultural Fest of the Central University of Jammu held from 11th-13th April 2018.
- Member of Organizing Committee: National Science Day 2017, Annual National Conference held on 28th February 2017 at Central University of Jammu.
- Member of Organizing Committee: BIOSPARKS-2016, 14th Annual National Scientific Meet held from 18th-19th March 2016 at SLS-JNU, New Delhi.

DECLARATION

The particulars furnished above are true to the best of my knowledge.

Date: 22nd July 2023

Place: Jammu

Dr. Stanzin Ladol