

CURRICULUM-VITAE

Name: Dr. Akanksha Kushwaha

Designation: Assistant Professor

Department of Zoology, Kashi Naresh University, Bhadohi

Qualification: PhD, NET-JRF

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Educational details

- PhD in Zoology (2022), Banaras Hindu University
- M.Sc. in Zoology (2016), Banaras Hindu University - CGPA 8.20
- B.Sc. (Hons) in Zoology (2014), Banaras Hindu University - CGPA 8.69
- Intermediate (2010), Central Board of Secondary Education, New Delhi – 81.40%
- High School (2008), Central Board of Secondary Education, New Delhi- 86.00%

Achievements/Scholarships

1. Qualified CSIR JRF JUNE 2016, LS June 2015, December 2015
2. Qualified GS 2017 (JGEEBILS conducted by TIFR).
3. Qualified GATE-2016.

Awards/ Honors/ Membership

1. Associate life member of Indian Academy of Neurosciences
2. Prof. MS Kanungo memorial gold medal for standing first in those who opted biochemistry major in MSc. Zoology in the year 2016.
2. Best poster award: International conference of Indian Academy of Neuroscience on Translational Research in Improving Mental Health from October 29-31, 2018 at Banaras Hindu University
3. Second best poster award: International Conference on Current perspectives of biochemistry in health & diseases from January 11-12, 2020 organized by department of Zoology, Banaras Hindu University.

Publications

1. Kushwaha A (2026) Neurobiological aging and neuroprotection: Mechanisms, challenges and emerging therapeutic strategies. Idealistic Journal of Advanced Research in Progressive Spectrums (IJARPS) 5 (3): 252-261.
2. Kushwaha A and Thakur MK (2024) Suv39h1 Silencing Recovers Memory Decline in Scopolamine-Induced Amnesic Mouse Model. Mol Neurobiol. 61(1):487-497. doi: 10.1007/s12035-023-03570-x
3. Barman B, Kushwaha A and Thakur MK (2022) Muscarinic Acetylcholine Receptors-Mediated Activation of PKC Restores the Hippocampal Immediate Early Gene Expression and CREB Phosphorylation in Scopolamine-Induced Amnesic Mice. Mol Neurobiol. 59(9):5722-5733. doi: 10.1007/s12035-022-02940-1.
4. Barman B, Kushwaha A and Thakur MK (2021) Vitamin B12-folic acid supplementation

regulates neuronal immediate early gene expression and improves hippocampal dendritic arborization and memory in old male mice. *Neurochem Int.* 9;150:105181.

5. Kushwaha A and Thakur MK (2019) Increase in hippocampal histone H3K9me3 is negatively correlated with memory in old male mice. *Biogerontology.* 21(2):175-189.
6. Kushwaha A (2017) Methylation. Springer International Publishing AG 2017 J. Vonk, T.K Shackelford (eds), *Encyclopedia of Animal Cognition and Behaviour*, DOI.10.1007/978-3-319-47829-6_165-1.
7. Kushwaha A (2017) Electrophoresis. Springer International Publishing AG 2017 J. Vonk, T.K Shackelford (eds), *Encyclopedia of Animal Cognition and Behaviour*, DOI. http://scihub.cc/10.1007/978-3-319-47829-6_3-1.
8. Kushwaha A (2017) Amino acid. Springer International Publishing AG 2017 J. Vonk, T.K Shackelford (eds), *Encyclopedia of Animal Cognition and Behaviour*, in press.
9. Kumar S and Kushwaha A (2017) Genetic code. Springer International Publishing AG 2017 J. Vonk, T.K Shackelford (eds), *Encyclopedia of Animal Cognition and Behaviour*

Workshops/Conferences attended

1. Participated DST Sponsored Training Program on "Proteomics Approaches for Women Scientists in Life Sciences" from Feb. 04-08, 2017 at the Department of Mycology and Plant Pathology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi-221005.
2. Participated in the workshop on Applications of Bioinformatics and Biostatistics in Biology (1st-3rd March, 2017) held at Department of Zoology, BHU, Varanasi.
3. Attended IBRO-APRC School of Neuroscience as resource person. Topic – Epigenetic regulation of neuronal gene expression held at BHU, Varanasi, India from Apr 1-16, 2017
4. Attended National Conference on Advances in Research on Aging and Neurological Disorders and workshop on Application of Neurobiological Techniques to study Neurological Disorders as resource person held from 15-22 September, 2017 at Department of Zoology, BHU as a part of 31st Annual Conference of Society of Neurochemistry, India (SNCI)
5. Participated in associate school of International Brain Research Organization on Recent Awareness in Tools and Techniques in Neuroscience Research held from March 26-31, 2018 at Savitribai Phule Pune University
6. Participated and presented poster in international conference of Indian Academy of Neuroscience on Translational Research in Improving Mental Health from October 29-31, 2018 at Banaras Hindu University
7. Participated in symposium on Frontiers of Science (Present & Future)- Life Sciences from March 13-14, 2019 organized by Institute of Science, Banaras Hindu University.
8. Participated in 19th Biennial conference of Association of Gerontology (India) from August 17-18, 2019 organized by AIIMS, New Delhi.
9. Participated in International Conference on Current perspectives of biochemistry in health & diseases from January 11-12, 2020 organized by department of Zoology, Banaras Hindu University.

10. Participated in the International E-conference entitled "NeuroEunoia 2020: A Neuroscience Affair" hosted by Gargi College, University of Delhi, held under the aegis of IQAC, Gargi College held on 16-17 October 2020.
11. Invited speaker in the XXXIX Annual Meeting of Indian Academy of Neurosciences (IAN), Theme: "NeuroGlia in Health and Disease" organized by Indian Institute of Science Education and Research Kolkata, Netaji Subhas Open University & CSIR-Indian Institute of Chemical Biology from December 16-19, 2021.
12. Participated in National conference on Biological Diversity and Environmental sustainability organized by Department of Botany, K.N Govt. P.G. College, Gyanpur, Bhadohi from March 25-26, 2022.
13. Participated in National seminar on Self Reliant India: Challenges and Prospects organized by Faculty of Commerce, K.N Govt. P.G. College, Gyanpur, Bhadohi from March 24-25, 2023.
14. Participated in National seminar on Sociological Approaches to National Education Policy (NEP) 2020: Shaping Viksit Bharat 2047 organized by Department of Sociology, KPM Rajkiya Mahila Mahavidyalaya, Aurai, Bhadohi from February 21-22, 2025.
15. Participated in International conference on Developed India @ 2047 organized Government Girls P.G college, Bindki, Fatehpur, from November 7-8, 2025.
16. Participated in International conference on "From molecule to ecosystem: Global security through global resource management" organized by T.D. P.G. College, Jaunpur from March 12-14, 2026.
17. Participated in National seminar Indian Knowledge System organized by K.N Govt. P.G. College, Gyanpur, Bhadohi from March 17-18, 2026.

Faculty development programs

1. Participated in AICTE recognized Short Term Course on Computer Technology Assisted Teaching Tools for Effective Implementation of NEP-2020 through ICT conducted by Applied Science Department from 21.03.2022 to 25.03.2022 (One Week) at Mahatma Gandhi Kashi Vidyapith University, Varanasi (Uttar Pradesh).
2. Participated in Professional Development Programme on 'Implementation of NEP- 2020 for University and College Teachers' held from November 07-16, 2022 through SWAYAM conducted by IGNOU.