

DR. JASPREET KAUR

Date of birth: 21st November, 1983

Marital status: Married

Nationality: Indian

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Affiliation: Assistant Professor, Zoology Department, Maitreyi College, University of Delhi (<https://orcid.org/0000-0001-5287-3127>)

Website: <https://sites.google.com/view/jaspkaur/home>,
<https://scholar.google.com/citations?hl=en&authuser=1&user=q2J4GqA AAAAJ>,
<https://vidwan.inflibnet.ac.in//profile/220635/MjlwNjM1>



Education

- 2012 Ph.D. from Molecular Biology laboratory, Department of Zoology, University of Delhi, Delhi, *Title of Thesis: Whole Genome Sequencing of Rifamycin Producing *Amycolatopsis mediterranei* S699 by using Sanger - Pyrosequencing Hybrid Approach.*
- 2009-2011 Senior Research Fellow (SRF) in the project funded by National Bureau of Agriculturally Important Microorganisms (ICAR), Mau, U.P, India
- 2007-2009 Junior Research Fellow (JRF) in the project funded by Department of Biotechnology (DBT), India
- 2006-2007 B.Ed., Central Institute of Education (CIE), University of Delhi, Delhi
- 2004-2006 M.Sc. Zoology (Cell Biology), Department of Zoology, University of Delhi, Delhi
- 2001-2004 B.Sc. (H) Zoology, S.G.T.B Khalsa College, University of Delhi, Delhi
- 2000-2001 AISSCE (12th) (Medical), C.B.S.E, Guru Nanak Public School, Punjabi Bagh, Delhi
- 1998-1999 AISSE (10th) C.B.S.E, Guru Nanak Public School, Punjabi Bagh, Delhi

Experience

11 years of experience in Teaching different subjects (Papers) at the UG level:

Cell Biology, Entomology, Introduction to Biology, Biodiversity-Non-Chordata, Biochemistry, Animal Physiology and Functional Histology, Molecular Biology, Ecology, Evolutionary Biology, Biotechnology, Immunology, Biodiversity-I "Microbes", Introduction to Medical Diagnostics, Bioinformatics, Genetics & Genomics, Developmental Biology and

Awards & Honors

- 2001: Awarded "Best Student Award", 12th grade, Guru Nanak Public School
- 2004: Received **Gold Medal** for 1st University Rank in B.Sc. (H) Zoology, University of Delhi, Delhi

- Received Meritorious scholarships by –
 - Guru Nanak Public School, Punjabi Bagh, Delhi
 - Khalsa Education Fund, S.G.T.B Khalsa College, University of Delhi, Delhi
 - Saria Education Foundation
 - University Grants Commission

- Qualified National Eligibility Test (NET) exam sponsored by Council for Scientific and Industrial Research (CSIR) for year 2006-2007 and 2007-2008, Govt. of India (Certificate No. 320586).
- Qualified GATE -2006-07 (Score: 308)

- *Verma, M., ***Kaur, J.**, Kumar, M., Kumari, K., Saxena, A., Anand, S., Nigam, A., Ravi, V., Raghuvanshi, S., Khurana, P., Tyagi, A. K., Khurana, J. P. and Lal, R. Whole Genome Sequence of the Rifamycin B- Producing Strain *Amycolatopsis mediterranei* S699.*Authors contributed equally. **Best AMI Poster Award** presented at the 52nd International Annual Conference of the Association of Microbiologists of India entitled "Microbial Biotechnology for Sustainable Development" held at Panjab University, Chandigarh, from November 3-6, 2011.

- Sharma, S., Srishti, **Kaur, J.** (2020) Comparative genomic and phylogenetic analysis of spike and nucleocapsid proteins of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and 10 other taxonomically related coronaviruses using in-silico tools: Poster bagged **Second Runner-up position** in e-poster presentation under the theme 'Health & Disease Management' in International e-Conference on "Health and Research in Current Scenario: with special emphasis on COVID-19 virus Genomics and Pathogenicity", jointly organized by Sri Venkateswara College, University of Delhi & PhiXgen Pvt. Ltd., India on 17th July, 2020

Technical Skills and aptitude

Microbiology

Bacterial isolation from diverse habitats; Preparation of pure bacterial cultures on different culture media; Preservation techniques like glycerol stock maintenance and lyophilization; Light microscopy; Morphological, Physiological and Biochemical taxonomical characterization of bacteria including 16S rRNA and other house-keeping gene-based phylogeny.

Molecular Biology and Biochemistry

Isolation, purification and quantitation of bacterial plasmid and genomic DNAs (small-scale and large-scale); Amplification of DNA using PCR; Preparation of competent cells; Cloning of plasmid DNA; Restriction digestion and ligation techniques; Transformation of bacterial cells; Automated DNA Sequencing; DNA-DNA hybridization; Pulse field gel electrophoresis; Primer designing and primer walking; Transposon-mutagenesis.

Biochemical and Analytical Techniques

Qualitative and quantitative analysis of carbohydrates, lipids and quinones from bacterial cells; Thin layer chromatography.

Computer Skill and Bioinformatics

Knowledge of different computer softwares (web-based, Windows and Linux based) for genome sequence assembly (MIRA 3), for phylogenetic analysis, genome annotation and comparative genomics like BLAST, Seq. Analyser, CLUSTAL_X, PHYLIP, TREECONW, Splits Tree, PHYML, Clone Manager, BACardI, etc. Efficient with other important softwares like Microsoft PowerPoint, Microsoft Excel; ChemDraw and Enhance for drawing of chemical structures and restriction maps, etc. Basic concepts in Biostatistics like calculation of standard deviation, chi-square, etc.

Publications -21 (Dr. Jaspreet Kaur)

<https://orcid.org/0000-0001-5287-3127>

<https://sites.google.com/view/jaspkaur/home>

<https://scholar.google.com/citations?hl=en&user=q2J4GqAAAAAJ>

International: 11

1. Kaur, J. (2023). Inclusion of mathematics in biological concepts at the senior secondary level in Indian education system, <https://ejournal.upi.edu/index.php/asimilasi/article/view/62077>, ISSN: 2621-7260, <https://doi.org/10.17509/aijbe.v6i2.62077>
2. Kaur, J. (2021). Paper published entitled: Prediction of Potential Vaccine Candidate Proteins for Bacterial Vaginosis by in Silico Analysis Using Reverse Vaccinology Approach in the Research Book published for 7th international Conference on the role of 'Management, Education and Social Sciences in Responsible Research and Innovations: Challenges and Realities' on the 20th and 21st of August 2020. <https://lsme.ac.uk/research/research-publications>
3. Kaur, J., Arora, M., Kaur, S., Ahuja, A., Sharma, S and Jaluthria, S. (2017). Detection of b-cell & t-cell epitopes in major proteins of the order Mononegavirales of ssRNA

negative strand viruses. *International Journal of Advanced Biotechnology and Research (IJBR)*. 8(1): 321-333, **ISSN 0976-2612, Online ISSN 2278-599X, ICV: 69.46.**

4. Verma, M., Lal, D., Saxena, A., Anand, S., Kaur, J., Kaur, J, Lal, R. (2013) Understanding alternative fluxes/effluxes through comparative metabolic pathway analysis of phylum actinobacteria using a simplified approach. *Gene* 531(2): 306-17. doi: 10.1016/j.gene.2013.08.076. **Impact factor: 2.319. ISSN-0378-1119**
5. Verma, M., Lal, D., **Kaur, J.**, Saxena, A., Kaur, J., Anand, S., Lal, R. (2013) Phylogenetic analyses of phylum actinobacteria based on whole genome sequences, *Research in Microbiology*, 164: 718-728. **Impact factor: 1.256. ISSN-0923:2508**
6. Anand, S., Sangwan, N., Lata, P., Kaur, J., Dua, A., Singh, A.K., Verma, M., **Kaur, J.**, Khurana, J.P., Khurana, P., Raghuvanshi, S and Lal, R. (2012). Genome Sequence of *Sphingobium indicum* B90A, a Hexachlorocyclohexane (HCH) Degrading Bacterium. *Journal of Bacteriology* (JB00901-12), 194 (16), 4471-4472. **Impact factor: 4.114. Print ISSN- 0021-9193**
7. Sangwan, N., Lata, P., Dwivedi, V., Singh, A., Niharika, N., Kaur, J., Anand, S., Malhotra, J., Jindal, S., Nigam, A., Lal, D., Dua, A., Saxena, A., Garg, N., Verma, M., **Kaur, J.**, Mukherjee, U., Gilbert, JA., Dowd, SE., Raman, R., Khurana, P., Khurana, J & Lal, R. (2012). Comparative Metagenomic analysis of soil microbial communities across three Hexachlorocyclohexane gradients. *PLoS One*. 2012; 7(9):e46219. doi: 10.1371/journal.pone.0046219. **Impact factor: 4.276. ISSN- 1932-6203**
8. Kaur, J., **Kaur, J** & Lal, R. (2012). *Sphingomonas laterariae* LNB2^T sp. nov. isolated from hexachlorocyclohexane contaminated dumpsite in Lucknow. *Int J Syst Evol Microbiol* (doi 10.1099/ijs.0.034686-0). 62, 2891–2896 **Impact Factor: 2.067. ISSN-1466-5026**
9. *Verma, M., ***Kaur, J.**, Kumar, M., Kumari, K., Saxena, A., Anand, S., Nigam, A., Ravi, V., Raghuvanshi, S., Khurana, P., Tyagi, A. K., Khurana, J. P. and Lal, R. (2011). Whole Genome Sequence of Rifamycin B Producing *Amycolatopsis mediterranei* S699. *Journal of Bacteriology*. 193 (19): 5562–5563 *Authors have contributed equally. **Impact factor: 4.010. Print ISSN- 0021-9193**

10. **Kaur, J.**, Verma, M & Lal, R. *Rhizobium rosettiformans* sp. nov., isolated from hexachlorocyclohexane (HCH) dump site in India, and reclassification of *Blastobacter aggregatus* Hirsch et al. [1985] as *Rhizobium aggregatum* comb. nov. (2011). 61(Pt5) 1218-25, *Int J Syst Evol Microbiol*. **Impact Factor: 2.439. ISSN-1466-5026**
11. Verma, M., Kumar, M., Dadhwal, M., **Kaur, J** & Lal, R. (2009). *Devosia albogilva* sp. nov. and *Devosia crocina* sp. nov., isolated from a hexachlorocyclohexane dump site. *Int J Syst Evol Microbiol*. 59: 795–799. **Impact Factor: 2.439. ISSN- 1466-5026**

National: 10

1. **Kaur, J.**, Aggarwal, A., Gupta, R., Narain Srivastava, P., Hasija, K., Jha, J., & Magan, K. (2023). A Cross-Sectional Study to Analyse the Impact of OTT Platforms on Body Modification Choices and Cognizance of Associated Risks. In *Microsphere* (Vol. 2, Issue 1, pp. 113–126). PhixGen Pvt. Ltd. <https://doi.org/10.59118/hwjq3945>
2. **Kaur, J.** (2022). From Sequence Analysis to Application: Role of Bioinformatics to Understand Biological Systems. *Resonance-journal of science education*, 27(12); 2069-2098, 0973-712X (Electronic ISSN), <https://www.ias.ac.in/article/fulltext/reso/027/12/2069-2098>
3. Thakran, Y, Bali, V, Badhan, G, **Kaur, J**, Kaur, J. (2022). Revisiting dietary effects on the gut microbiota and their implications in health and disease. *Microsphere*, 1: 102-112, ISSN (Online): 2583-5327 <https://doi.org/10.59118/HUGX5553>
4. Sood, U., Dhingra, G.G., Anand, S. et al. Microbial Journey: Mount Everest to Mars. *Indian J Microbiol* 62, 323-337, (2022). 0046-8991 (Print ISSN), 0973-7715 (Online ISSN), <https://doi.org/10.1007/s12088-022-01029-6>
5. Anand, S., Lal, S., Sood, U. et al. The Alphabet of the Elementary Microbiology: Revisited. *Indian J Microbiol*, 61, 397–400 (2021). <https://doi.org/10.1007/s12088-021-00987-7>
6. Dhingra, G.G., Saxena, A., Nigam, A. et al. Microbial World: Recent Developments in Health, Agriculture and Environmental Sciences. *Indian J Microbiol* 61, 111–115 (2021). <https://doi.org/10.1007/s12088-021-00931-9>

7. **Kaur, J.**, Srishti, Sharma, S. (2020). Comparative Genomic and Phylogenetic Analysis of Spike and Nucleocapsid Proteins of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) and 9 Other Taxonomically Related Coronaviruses using in-Silico Tools. *Vantage*, 1(2): 46-81. ISSN: 2582-7391.
8. **Kaur, J.**, Anand, S., Verma, M & Lal, R. (2014). Role of horizontal gene transfer events in the evolution of phenol 2-monooxygenase gene: a comparative study across 75 prokaryotic genomes. *Indian Journal of Bioinformatics & Biotechnology*, 3(1), 1–15, **IC Value: 5.02, Online ISSN : 2319-6599.**
9. Anand, S., Malhotra, J., Dua, A., Garg, N., Saxena, A., Sangwan, N., Lal, D., Verma, M., Jindal, S., **Kaur, J.**, Kumari, K., Nigam, A., Niharika, N., Kaur, J., Jit, S., Bala, K., Lata, P & Lal, R. (2010). A New Life in a Bacterium through Synthetic Genome: Landmark experiments by Craig Venter. *Ind. J. Microbiol* 50, 125-131. **Impact Factor: 1.143. ISSN- 0973-7715.**
10. Lal, R., Dadhwal, M., Kumari, K., Sharma, S., Singh, A., Kumari, H., Jit, S., Gupta, SK., Nigam, A., Lal, D., Verma, M., **Kaur, J.**, Bala, K & Jindal, S. (2008). *Pseudomonas* sp. to *Sphingobium indicum*: a journey of microbial degradation and bioremediation of Hexachlorocyclohexane. *Ind. J. Microbiol.* 48:3–18. **Impact Factor: 1.143. ISSN- 0973-7715**

Book: (2)

1. **Kaur, J** & Kaur, J. (2022). *Bioinformatics Practical Manual: An Easy Guide to In-Silico Analysis*. New Delhi Publishers, New Delhi, ISBN NO:9789391012601
2. Kaur, J. (2023). *From the Heart*. ASIN: B0CHPDTNFZ, <https://www.amazon.in/dp/B0CHPDTNFZ>

Other Publications: (24)

e-lessons for graduate students under National Mission on Education (NME), Institute of Life Long Learning (ILL) and MHRD, General and Short Articles in Science Magazines, Science Manuals, Research books (Conference Proceedings)

1. **Kaur, J** & Lal, R. (2010). Nematode worms or deadly insecticides! *Ind. J. Microbiol.* 50:115
2. **Kaur, J** & Lal, R. (2009). Cold drink cans contaminated with rat urine can kill? *Ind. J. Microbiol.* 49: 294.

3. Kaur, J. Plant Genomics and Climate Change. 2017. In *Climate Change and Disaster Management* (pp.134-144), Shivalik Prakashan, Delhi.
4. Kaur, J. Computer Aided Biology: Genomics & Reverse Vaccinology-Status of Research in India. Chapter in book published by CPDHE (UGC-HRDC) during the Orientation Programme (OR-86), held from 25th November 2016 to 23rd December 2016, pp106-115 (ISBN 978-93-85329-22-7).
5. Anand, S., Malhotra, J., Niharika, N., Lal, D., Jindal, S., **Kaur, J.**, Nigam, A., Garg, N., Lata, P., Kaur, J., Sangwan, N., Singh, AK., Dua, A., Saxena, A., Dwivedi, V., Mukherjee, U. and Lal, R. 2013. Bioremediation of Hexachlorocyclohexane (HCH) Pollution at HCH Dumpsites, in Knowledge Systems of Societies for Adaptation and Mitigation of Impacts of Climate Change. (Editors: Nautiyal, S., Rao, K. S., Kaechele, H., Raju, K. V. and Schaldach, R.). Springer-Verlag Berlin Heidelberg. 387-404.
6. Science Practical Manual on Advanced Biological Techniques, developed under National Workshop (2nd - 8th December, 2015), organized by Maitreyi College, University of Delhi.
7. Kaur, J. Molecular diagnosis of genetic diseases (Cystic fibrosis, Huntington's disease, Sickle cell anemia). 2014. ISSN 2345-154X.
8. Kaur, J. Enzyme Technology. 2014. ISSN 2345-154X.
9. Kaur, J. 2018. Regulation of transcription and translation of proteins by miRNA. (http://epgp.inflibnet.ac.in/view_search.php?&category=27404&ft=et) ePG pathshaala, MHRD, Govt. of India
10. Kaur, J. Cell-cell adhesion and communication: Gap Junctions (http://epgp.inflibnet.ac.in/view_search.php?&category=27391&ft=et).
11. Kaur, J. & Jit, S. Cell-Cell Adhesion & Cell-ECM interactions. (http://epgp.inflibnet.ac.in/view_search.php?&category=27390&ft=et)
12. Kaur, J. Teaching and Learning Evolutionary Biology at Undergraduate Level. 2018. *Science Reporter*. 55(8):43-44. ISSN:0036-8512. <http://nopr.niscair.res.in/handle/123456789/44788>.

13. Kaur, J & Jit, S. Lesson Plan: Natural Selection and Climate Change. <https://tropicsu.org/lesson-plan-natural-selection/>
14. Kaur, J. Try a meal of bugs! Scientific India. 2019. Vol 7:Issue 3. ISSN:2349-1418. www.scind.org.
15. Kaur, J. Smile Please- Goats prefer it too! 2019. *Science Reporter*. Vol. 56 No. 7 July 2019 ISSN 0036-8512.
16. Kaur, J. Sleep well-beneficial role of sleeping. Scientific India. 2019. Vol 7:Issue 4. ISSN:2349-1418. www.scind.org.
17. Kaur, J. (2020). 'Good News' for Treating Female Infertility. *Science Reporter*, Vol.57 (04), Pg:10-11.
18. Kaur, J. (2021). An insight into Equine Microbiome!. Scientific India. 9 (2) Mar-April: 2021. Pg: 10-12. ISSN:2349-1418. <https://scind.org/2121/Science/an-insight-into-equine-microbiome.html>
19. Kaur, J. (2021). Dung Beetle Dung DNA to assess Biodiversity. *Science Reporter*, 58 (6), Pg 12.
20. Kaur, J. (2021). My First Scientific Publication! Maitreyi College yearly magazine. Vaaksudha Publication. ISBN: 978-81-952826-1-6. <http://maitreyi.ac.in/Datafiles/cms/2021/Yearly%20magazine/Maitreyi%20Magazine%202021.pdf>
21. Jit, S. & Kaur, J. Lesson Plan: Climate Change and Reproductive Fitness in Red Deer: <https://tropicsu.org/lesson-plan-red-deer/>
22. Kaur, J. (2022) Microbial Literacy Need of the Hour. *Science Reporter*, 59(6), 10-13.
23. Kaur, J. (2022) Sign-In for Good Health: Human Microbial Signatures, Scientific India, Vol:10, Issue:4.
24. Kaur, J & Kaur, G (2022) Butterflies in the stomach- Gut-Brain Axis. Scientific India,10(5); 14-17, <https://scind.org/article/Butterflies-in-the-stomach--Gut-Brain-Axis>

25. Kaur, J & Singh, P (2023). Bridging the Gap From Benchtop to Desktop. Science Reporter, SR Vol.60(02), 2582-6492 (Online); 0036-8512 (Print), <https://nopr.niscpr.res.in/handle/123456789/61275>

Administrative Profile

- Editor, Microsphere Journal, Journal of Indian Network for Soil Contamination Research & Phixgen Pvt. Ltd. <https://newinscr.inscr.co.in/index.php/e-journal/microsphere/editorial-board>
- Convenor, Dramatics Society (Staff Council): 2015-16, Maitreyi College, University of Delhi
- Member, Computerisation Committee (Staff Council), 2016-17, 2017-18, Maitreyi College, University of Delhi
- Member, Cultural Committee (Staff Council), 2016-17, 2017-18, Maitreyi College, University of Delhi
- Member, Computerisation Committee (Staff Council), 2018-19, 2019-20, 2020-21, 2021-22, Maitreyi College, University of Delhi
- Member, Building Maintenance Committee (Staff Council), 2018-19, 2019-20, 2020-21, 2021-22, Maitreyi College, University of Delhi
- Member, Short Term Course Committee (Staff Council), 2022-23
- Member, Advisory Committee for Professional Grooming (Staff Council), 2022-23
- Member, Advisory Board, Zoology Department Magazine, Maitreyi College-*Iridescence*
- Appointed as External and Internal Examiner for conducting practical examinations.
- Paper evaluator and paper setter for Paper Setting and Paper evaluation work in University of Delhi
- Reviewer of course curriculum of B.Sc. Hons. Zoology (LoCF) for Evolutionary Biology

Student Mentor

- Mentored project titled "Detection of B-cell & T-cell epitopes in major proteins Of The Order *Mononegavirales* of ssRNA Negative Strand Viruses" in 2017.
- Mentored project titled "Comparative genomic and phylogenetic analysis of spike and nucleocapsid proteins of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and 9 other taxonomically related coronaviruses using in-silico tools" under the Summer Internship Programme 2020.

COURSES/FDP/WORKSHOPS/CONFERENCES ATTENDED/ORGANISED

- **Orientation Course** (OR-86) held at CPDHE, University of Delhi, November 25th December 23rd, 2016, organised by UGC-HRDC.
- **Refresher Course** (Climate Change and Disaster Management) held at CPDHE, University of Delhi from June 9th 2017 to June 30th 2017, organised by UGC-HRDC.
- **Faculty Development Program (FDP)** on Managing online classes and co-creating MOOCS:2.0 from 18th May – 3rd June, 2020.
- **Faculty Development Program (FDP)** on Advanced concepts for developing MOOCS from 2nd -17th July, 2020
- Kaur, J., Ahuja, A., Arora, M., Kaur, S., Sharma, S., Jalutharia, S. *In-silico* prediction of B- and T-cell epitopes in major proteins of viral isolates of the order *Mononegavirales* of ssRNA negative strand viruses, **Poster presented** in National Symposium on Trends in Research & Innovations in Life Sciences at Undergraduate Level, held at Deen Dayal Upadhyaya College, University of Delhi on March 30, 2016.
- Kaur, J., Ahuja, A., Arora, M., Kaur, S., Sharma, S., Jalutharia, S. *In-silico* prediction of B- and T-cell epitopes in major proteins of viral isolates of the order *Mononegavirales* of ssRNA negative strand viruses, **Poster presented** at International Conference and Outreach Programme on "Environment & Ecology: Sustainability and Challenges" (ENCON 2017), from January 4th to 7th, 2016, held at University of Delhi.
- Kaur, J., Ahuja, A., Arora, M., Kaur, S., Sharma, S., Jalutharia, S. *In-silico* prediction of B- and T-cell epitopes in major proteins of viral isolates of the order *Mononegavirales* of ssRNA negative strand viruses, **Poster presented** at National Seminar: "सक्षम महिला, सक्षम समाज: एक वैज्ञानिक दृष्टिकोण" "a paradigm shift towards empowerment of women (NSSC-2017)" sponsored by Department of Science & Technology held at Kalindi College, University of Delhi on February 3rd – 4th, 2017.
- Kaur, J., Ahuja, A., Arora, M., Kaur, S., Sharma, S., Jalutharia, S. *In-silico* prediction of B- and T-cell epitopes in major proteins of viral isolates of the order *Mononegavirales* of ssRNA negative strand viruses, **Paper presentation** in National Conference on Interdisciplinarity: Prospects & Challenges to be held at Maitreyi College, University of Delhi from April 5th-7th, 2017.
- Kaur, J. Prediction of potential vaccine candidate proteins for bacterial vaginosis by in-silico analysis using reverse vaccinology approach, **Poster presented at** INSCR International Conference 2017 (IIC-2017) on Role of Microbe-Plant-Animal Interactions in Human Health from September 26th 28th, 2017.
- Kaur, J. Prediction of potential vaccine candidate proteins for bacterial vaginosis by in-silico analysis using reverse vaccinology approach, **Paper Presentation** at LSME Online international conference on responsible research and innovations in management and human sciences organised by the London school of management education from 19th to 20th august 2020.

- Member of the organising committee of the International E-Conference "NeuroEunoia 2020: A Neuroscience Affair" held on 16-17 October 2020 hosted by Gargi College, under the aegis of IQAC.
- Member of organising committee in National Symposium on Man-made Diseases: An Urban Menace, held at Maitreyi College, University of Delhi from February 11th 2016 to 12th, 2016.
- Member of organizing committee in Intercollegiate student workshop entitled "In Vitro: Techniques to Technologies" held at Maitreyi College, University of Delhi from December 14th 2015 to 19th , 2015.
- Member of organizing committee in Interdisciplinary student workshop entitled "Understanding Dynamics of Life Sciences: Concepts and Techniques, held at Maitreyi College, University of Delhi from July 6th to 10th, 2015.
- Member of organizing committee and resource person for Confluence Science Fair for school students held on 21st January, 2016 organized by Department of Chemistry, Maitreyi College.
- Attended Workshop on Environmental pollution and health in urban ecosystems held at Department of Environmental Studies, North Campus, University of Delhi on June 23rd, 2016.
- Attended Workshop on Microbial Genomics and Metagenomics, held at the Department of Zoology, University of Delhi, Delhi on September 22nd, 2016.
- Attended Workshop on Innovative Teaching Methodologies and Use of ICT in Teaching, CPDHE (UGC-HRDC), University of Delhi from October 20th to 26th, 2016.
- Attended Workshop on Vaccine & Infectious Disease Research Centre" organized under "Science Setu" program held at Maitreyi College from January 24th & 25th, 2017.
- Attended Workshop on Developing scientific temper in students: tools & techniques' held at Ramjas College, University of Delhi (co-organized by Department of Zoology, Ramjas College and India Bioscience, Bengaluru) on January 31st, 2017.
- Attended Workshop on "Zebrafish as an animal model system", organized by Departments of Biochemistry and Zoology, Daulat Ram College from March 15th-17th, 2017.
- Attended Workshop on Molecular Modelling at ARSD College, University of Delhi on 23rd January 2018.
- Attended Workshop on TROP ICSU Workshop at Sri Venkateswara College, New Delhi from Oct 13th -14th, 2018.