




Faculty Profile

Title	Dr	First Name	JASVINDER	Last Name	KAUR	Photograph
Designation	ASSISTANT PROFESSOR					
Address (Office)						
Contact No. (Mobile)	-					
Email	jasvinder.kaur@gargi.du.ac.in					
EDUCATIONAL QUALIFICATIONS						
Degree	Institution				Year	
Ph.D.	University of Delhi				2014	
M.Sc. Cell Biology	University of Delhi				2009	
B.Sc. (H) Zoology	University of Delhi				2007	
CAREER PROFILE						
<ol style="list-style-type: none"> 1. Assistant Professor in Gargi College, Delhi University on Permanent basis since 10th October 2015 to date 2. Assistant Professor in Gargi College, Delhi University on Ad-hoc basis since January 2014 till 9th October, 2015 3. Assistant Professor in Gargi College, Delhi University on Guest basis from July 2013 till November 2013 						
ADMINISTRATIVE ASSIGNMENTS						
<ol style="list-style-type: none"> 1. Editor, Departmental magazine 'Flight' 2015-16. 2. Editor, Departmental magazine 'Flight' 2016-17. 3. Office-Bearer, Department of Zoology 2016-19. 4. Convener college Prospectus 2018-19; 2019-20; 2020-21 5. Committee member for college Prospectus 2017-2018; Enliven (Western Dance Society) 2017-present. 6. Course coordinator of Life sciences admissions 2018-19 7. Course Coordinator for the annual Add-on course on "<i>Biotechcellence: Insights and Innovations</i>" 2017-to present 						
AREAS OF INTEREST / SPECIALIZATION						
Biotechnology, Molecular Biology and Bioinformatics						
SUBJECT TAUGHT						
Basics of Neuroscience; Principles of Genetics; Physiology; Biochemistry; Evolutionary Biology						
RESEARCH GUIDANCE						
Mentored 20 students under seven bioinformatics projects under the DBT- STAR college funding (2014-22)						
REFRESHER COURSE/ORIENTATION PROGRAMME/FACULTY DEVELOPMENT PROGRAMMES ATTENDED:						

PUBLICATIONS PROFILE

1. Kaur, J., Kaur, J., Niharika, N. and Lal, R. 2012. *Sphingomonas laterariae* LNB2^T sp. nov. isolated from hexachlorocyclohexane (HCH) contaminated dumpsite in Lucknow. *Int. J. Syst. Evol. Microbiol.* 62: 2891–2896
 2. Kaur, J., Moskalikova, H., Niharika, N., Khan, F., Sedlackova, M., Hampl, A., Damborsky, J., Prokop, Z., and Lal R. 2013. *Sphingobium baderi* LL03^T sp. nov., isolated from HCH contaminated soil. *Int. J. Syst. Evol. Microbiol.* 63: 673-8
 3. Kaur, J., Niharika, N., Lata, P. and Lal, R. 2014. BIOFILMS: United we stand, divided we fall. *Indian J. Microbiol.* 54 (2): 246-247
 4. Kaur, J[†], Verma[†], H., Tripathi, C., Khurana, J.P. and Lal, R. 2013. Draft Genome Sequence of a Hexachlorocyclohexane (HCH) degrading bacterium *Sphingobium baderi* LL03^T. *Genome Announc.* 1(5): e00751-13
 5. Niharika, N[†], H, Moskalikova., Kaur, J[†], M, Sedlackova A, Hampl., Damborsky, J., Z, Prokop and Lal, R. 2013. *Novosphingobium barchiamii* LL02^T sp. nov., isolated from a hexachlorocyclohexane (HCH) dump site. *Int. J. Syst. Evol. Microbiol.* 63: 667-672
 6. Niharika, N[†], Moskalikova, H., Kaur, J[†], Khan, F., Sedlackova, M., Hampl, A., Damborsky, J., Prokop, Z. and Lal, R. 2013. *Sphingobium czechense* LL01^T sp. nov., isolated from a hexachlorocyclohexane (HCH) dump site. *Int. J. Syst. Evol. Microbiol.* 63: 723-728
- † Equal authors
7. Niharika, N., Jindal, S., Kaur, J. and Lal R. 2012. *Sphingomonas indica* sp. nov., isolated from HCH contaminated soil. *Int. J. Syst. Evol. Microbiol.* 62: 2997-3002
 8. 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, J.A., Dowd, S.E., Rajagopal, R., Khurana, P., Khurana, J. & Lal, R. 2012. Comparative Metagenomic analysis of soil microbial communities across three Hexachlorocyclohexane gradients. *PLoS ONE* 7(9): e46219
 9. Jit, S., Dadhwal, M., Kumari, H., Jindal, S., Kaur, J., Lata, P., Niharika, N., Lal, D., Garg, N., Gupta, S. K., Sharma, P., Bala, K., Singh, A., Vijgen, J., Weber R. & Lal, R. 2010. Evaluation of hexachlorocyclohexane contamination from the last Lindane production plant operating in India. *Environ. Sci. Pol. Res.* 18: 586–597.
 10. Anand, S., Sangwan, N., Lata, P., Kaur, J., Dua, A., Singh, A., Verma, M., Kaur, J., Khurana, J., Khurana, P., Raghuvanshi, S. and Lal, R. 2012. Genome Sequence of *Sphingobium indicum* B90A, a Hexachlorocyclohexane-Degrading Bacterium. *J. Bacteriol.* 194: 4471-4472
 11. Sharma, P., Jindal, S., Kiran, B., Kumari, K., Niharika, N., Kaur, J., Pandey, G., Pandey, R., Russell, R. and Lal, R. 2013. Functional Screening of Enzymes and Bacteria for the Dechlorination of Hexachlorocyclohexane by a High-Throughput Colorimetric Assay. *Biodegradation* 25: 179-87.
 12. Verma, M., Lal, D., Kaur, J., Saxena, A., Kaur, J., Anand, S. and Lal, R. 2013. Phylogenetic analysis of phylum actinobacteria based on whole genome sequences. *Res. Microbiol.* 164: 718-728
 13. Dua, A., Sangwan, N., Kaur, J., Saxena, A., Kohli, P., Gupta, A. K. and Lal, R. 2013. Draft genome sequence of *Agrobacterium* sp. strain UHFBA-218, isolated from rhizosphere soil of crown gall-infected cherry rootstock Colt. *Genome Announc.* 1(3):e00302-13.
 14. Verma, M., Lal, D., Saxena, A., Anand, S., Kaur, J., Kaur, J and Lal, R. 2013. Understanding alternative fluxes/effluxes through comparative metabolic pathway analysis of phylum actinobacteria using a simplified approach. *Gene.* 531: 306-317.
 15. 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., Negi, P.L. & Lal, R. 2010. A New Life in a Bacterium through Synthetic Genome: A successful venture by Craig Venter. *Indian J. Microbiol.* 50: 125-131.
 16. Majumdar, S., Rustagi, S., Mondal, S., Rijhwani, V., Kaur, J., & Sharma, P. 2014. Aspirin resistance: An emerging clinical predicament is associated with single nucleotide polymorphisms. *International journal of basic and applied biology.* 2: 63-68.
 17. Sharma, P., Shyamli, P. S., Singh, R., Kaur, J., Sharma, P. 2014. Determining Parkinson's genes- Disease causing and risk factors. *International journal of basic and applied biology.* 2: 91-97
 18. Garg, N., Lata, P., Jit, S. Sangwan, S., Singh, A. K., Dwivedi, V., Niharika, N., Kaur J., et al. 2016. Laboratory and field scale bioremediation of hexachlorocyclohexane (HCH) contaminated soils by means of bioaugmentation and biostimulation. *Biodegradation.* 27: 179. doi:10.1007/s10532-016-9765-6
 19. Bhati, S., Chauhan, B., Kaur, J., Sharma, P. Genetics of Lung Cancer- Disease Causing and Risk Factors. 2017.

International Journal of Biotechnology and Biomedical Sciences Volume 2, pp. 190-196.

20. Nagar, A., Dimple, Arya, A., Kaur, J., Sharma, P. Celecoxib: A Promising Clinical dilemma is associated with Single Nucleotide Polymorphisms. 2017. *International Journal of Biotechnology and Biomedical Sciences* Volume 2, pp. 202-206.
21. Pandey, N., Sharma, P., Rashmi, Navodita, Sharma, P., Kaur, J. Characterization of a Novel Human Protein Expected to be Involved in Signal Transduction. 2017. *International Journal of Biotechnology and Biomedical Sciences* Volume 2, pp. 211-251.
22. Verma, H., Bajaj, A., Kumar, R., Kaur, J., et al. 2017. Genome Organization of *Sphingobium indicum* B90A: An Archetypal Hexachlorocyclohexane (HCH) Degrading Genotype. *Genome Biology and Evolution*. 9 (9): 2191–2197
23. Kaur, J., Singh, A., Panda, A.K., Lal, R. 2021. Protocol for *in-vitro* purification and refolding of hexachlorocyclohexane degrading enzyme haloalkane dehalogenase *LinB* from inclusion bodies. *Enzyme and Microbial Technology*. 146: 109760.
24. Dhingra, GG., Saxena A., Nigam A., Hira, P., Singhvi, N., Anand, S., Kaur, J. et al. 2021. Microbial World-Recent developments in health, agriculture and environmental sciences. *Indian J Microbiol*. 61: 111–115 <http://doi.org/10.1007/s12088-021-00931-9>
25. Anand, S., Lal, Sukanya., Sood, Utkarsh., Gupta, Vipin., Dhingra, G.G., Solanki, R., Kaur, J. et al. The alphabet of the elementary microbiology: revisited. *Indian J Microbiol*. 61: 397–400
26. Kumar, R., Sood, U., Kaur, J. et al. 2021. The rising dominance of microbiology: what to expect in the next 15 years? *Microb. Biotechnol*. 1-19. doi:10.1111/1751-7915.13953

E CHAPTERS/STUDY MATERIALS

E-content writing under NME-ICT project for Zoology for Undergraduate courses in Zoology. Ministry of Human Resource Development (MHRD) project, 'National Mission on Education' ISSN 2349-154X

1. Dr. Jasvinder Kaur & Dr. Shailly Anand "Post Translational Modifications" (Molecular Biology)
2. Dr. Jasvinder Kaur & Dr. Shailly Anand "Vaccines and therapeutic agents" (Biotechnology)
3. Dr. Shailly Anand & Dr. Jasvinder Kaur "Conjugation" (Genetics)
4. Dr. Shailly Anand & Dr. Jasvinder Kaur "Transduction" (Genetics)
5. Dr. Jasvinder Kaur & Dr. Poonam Sharma "Gene therapy" (Biotechnology)
6. Dr. Poonam Sharma & Dr. Jasvinder Kaur "Gene Therapy of SCID and Cystic Fibrosis" (Biotechnology)
7. Anand, S., Malhotra, J., Niharika, N., Lal, D., Jindal, S., Kaur, J., Nigam, A., Garg, N., Lata, P., Kaur, J., Sangwan, N., Singh, A.K., Dua, A., Saxena, A., Dwivedi, V., Mukherjee U and Lal, R. 2013. Bioremediation of Hexachlorocyclohexane (HCH) Pollution at HCH Dump Sites in Knowledge Systems of Societies for Adaptation and Mitigation of Impacts of Climate Change. pp 387-404. Edited by S. Nautiyal et al. Springer Berlin Heidelberg ISBN 978-3-642-36143-2 DOI 10.1007/978-3-642-36143-2_23; ISSN 1863-5520

E-content Author for post-graduate pathshala, UGC under NME-ICT (Project Sponsored by MHRD Government of India) for Molecular Genetics (Zoology) and Molecular Cell Biology.

8. Dr. Jasvinder Kaur & Dr. Poonam Sharma. Module 26: In-situ hybridization. Chapter 10: Methods for gene identification. Zool 016: Molecular Genetics
9. Dr. Jasvinder Kaur & Dr. Poonam Sharma. Module 28. Polymerase chain reaction. 10. Methods for gene identification. Zool 016: Molecular Genetics
10. Dr. Jasvinder Kaur & Dr. Poonam Sharma. Module 30: Promoter analysis, DNA foot printing. Chapter 10: Methods for gene identification. Zool 016: Molecular Genetics
11. Dr. Poonam Sharma & Dr. Jasvinder Kaur. Module 26: Southern blot hybridization. Chapter 10: Methods for gene identification. Zool 016: Molecular Genetics
12. Dr. Poonam Sharma & Dr. Jasvinder Kaur. Module 27: Cloning. Chapter 10: Methods for gene identification. Zool 016: Molecular Genetics
13. Dr. Jasvinder Kaur & Dr. Poonam Sharma. Chapter. Bulk Transport: Receptor-mediated endocytosis. Zool 015: Molecular Cell Biology

PAPERS PRESENTED IN INTERNATIONAL/NATIONAL

CONFERENCES/SEMINARS/SYMPOSIA

1. Jasvinder Kaur. Multidrug resistant TB: "Increasing resistance and emerging strategies" presented in the 49st Annual Conference of the Association of Microbiologists of India entitled " International symposium on microbial biotechnology: Diversity, Genomics and Metagenomics" held from 18th to 20th November 2008 at University of Delhi, India.
2. Jasvinder Kaur, Pooja Sharma, Swati Jindal, Kiran Bala, Kirti Kumari, Neha Niharika, Gunjan Pandey, Rinku Pandey, Robyn J Russell, John G Oakeshott and Rup Lal. "Functional Screening of Enzymes and Bacteria for the Dechlorination of Hexachlorocyclohexane by a High-Throughput Colorimetric Assay". "Best Poster Award" presented in the 51st Annual Conference of the Association of Microbiologists of India entitled "International Symposium on Recent Advances in Cross-disciplinary Microbiology: Avenues & Challenges" held at Birla Institute of Technology, Mesra, Ranchi from December 14 -17, 2010.
3. Jasvinder Kaur, Jaspreet Kaur and Rup Lal. "Characterization of a novel bacterial strain *Sphingomonas* sp. nov. LNB2T isolated from hexachlorocyclohexane (HCH) dumpsite". "Best Poster Award" presented in the Indo-Swiss Collaboration in Biotechnology (ISCB) International Conference entitled "Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants" held at University of Delhi, India from 9th – 11th February, 2011.
4. Jasvinder Kaur, Neha Niharika, Jiri Damborsky and Rup Lal. "Insertion sequence (IS) mediated Horizontal gene transfer of *linB* into *Novosphingobium barchaimii* UI and *Sphingobium baderi* LLO2T - A strategical approach". Poster presented in the 52th Annual Conference of the Association of Microbiologists of India entitled "International Conference on Microbial Biotechnology for Sustainable Development" held at Panjab University, Chandigarh, India from 3-6, Nov 2011.
5. Jasvinder Kaur, Helianthous Verma, Jitendra P. Khurana, Paramjit Khurana and Rup Lal. "Whole Genome Sequencing of Hexachlorocyclohexane (HCH) Degrading Bacterium *Sphingobium indicum* B90A". Poster presented in the 53rd Annual Conference of the Association of Microbiologists of India entitled "Microbial World: Recent Innovations and Future Trends" held at KIIT University, Bhubaneswar, Orissa, India from 22-25, Nov 2012.
6. Jasvinder Kaur, Helianthous Verma, Jitendra P. Khurana, Paramjit Khurana and Rup Lal. "Whole Genome Sequencing of Hexachlorocyclohexane (HCH) Degrading Bacterium *Sphingobium indicum* B90A". Poster presented in the Indian Network for Soil Contamination Research (INSCR), National Conference on "Environmental Pollution, Soil Health and Sustainable Agriculture" on January 15th to 17th 2013 held at Amity University Campus, Noida.
7. Helianthous Verma, Jasvinder Kaur, Hana Moskalikova, Neha Niharika, Miroslava Sedlackova, Ales Hampl, Jiri Damborsky, Zbynek Prokop, and Rup Lal. "Taxonomical characterization of a novel bacterial strain *Sphingobium baderi* sp. nov., lacking the hexachlorocyclohexane haloalkane dehalogenase *linB* gene, isolated from the HCH dumpsite". Poster in the Indian Network for Soil Contamination Research (INSCR), National Conference on "Environmental Pollution, Soil Health and Sustainable Agriculture" on January 15th to 17th 2013 held at Amity University Campus, Noida.
8. Neha Niharika, Anupam Singh, Jasvinder Kaur, Arun Kumar Uppadhyay, Kiran Bala, Kirti Dhiman, A. K Panda and Rup Lal. "Purification of Hexachlorocyclohexane (HCH) Dehydrochlorinase (*LinAy1-7*) and Optimization of its in vitro Refolding from Inclusion bodies in *Escherichia coli*". "Best Poster Award" presented in the Indo-Swiss Collaboration in Biotechnology (ISCB) International Conference entitled "Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants" held at University of Delhi, India from 9th – 11th February, 2011.
9. Swati Jindal, Jasvinder Kaur, Kirti Kumari and Rup Lal. "Mining Diversity of Haloalkane Dehalogenase (*linB*) from Hexachlorocyclohexane (HCH) Dumpsite using Genomic & Metagenomic Approaches". Poster presented in the 51st Annual Conference of the Association of Microbiologists of India entitled "International Symposium on Recent Advances in Cross-disciplinary Microbiology: Avenues & Challenges" held at Birla Institute of Technology, Mesra, Ranchi from December 14-17, 2010.
10. Shreya Majumdar, Sonakshi Rustagi, Sreshtha Mondal, Vani Rijhwani, Jasvinder Kaur, Poonam Sharma. "Genetic polymorphism of platelet aggregation pathway genes is related to aspirin resistance." "Best Poster Award" presented in the National conference on "Striving & Thriving Towards Diffusion of Student-driven

Research in Science and Technology for Inspired Learning” organized by Embedded Systems and Robotics Centre and Department of Electronics, Maharaja Agrasen College, University of Delhi, New Delhi from 16 - 17 October 2014.

11. Prerna Sharma, P. Sushree Shyamli, Richa Singh, Poonam Sharma, Jasvinder Kaur. Determining why some gene mutations cause Parkinson's disease and others do not. Poster presented in the National conference on “Striving & Thriving Towards Diffusion of Student-driven Research in Science and Technology for Inspired Learning” organized by Embedded Systems and Robotics Centre and Department of Electronics, Maharaja Agrasen College, University of Delhi, New Delhi from 16 - 17 October 2014

12. Rashmi, Navodita Sood, Jasvinder Kaur. Structural characterization of an uncharacterized human protein. “Best Poster Award” presented in Symposium on "Current techniques and developments in bioinformatics", held at TERI University of New Delhi on 19th-20th January, 2015.

13. Oral presentation by students in one day symposium on “Recent Trends in Biology”, organized by the Zoology Department, Maitreyi College, University of Delhi, under the Star College scheme of DBT, Government of India 25th February 2015.

14. Jasvinder Kaur. Oral presentation on “Protocol for the in-vitro purification and refolding of hexachlorocyclohexane haloalkane dehalogenase linb from inclusion bodies” in the International conference on Microbes for Biotechnological Innovations (MBI-2018) held at Rohtak, Haryana on 7th December, 2018.

15. Jasvinder Kaur. Oral presentation on ‘Protocol for in-vitro purification and refolding of HCH degrading enzyme haloalkane dehalogenase linB from inclusion bodies’ in the annual international conference of the Association of Microbiologists of India (AMI) and the Indian Network for Soil Contamination Research (INSCR), in association with TERI, DU, IARI and INSA held on 3-5 February, 2021.

CONFERENCE/SEMINARS/SYMPOSIA/WEBINARS/PRESENTATIONS/ORGANIZATION

1. Attended National Symposium titled “Recent Advances in Immunology” organized under the aegis of Indian Immunology Society’s Continuing Medical Education (CME) Programme hosted by Miranda House, University of Delhi on 17 July 2014 at Indian National Science Academy (INSA)
2. Attended One day national seminar on “Natural products: Application in Human Welfare” on 27th June, 2013, organized at Ramjas College, University of Delhi
3. Attended JNU conference on Indo-US conference and workshop on “Synthetic and Systems Biology” on November 9-12 2014, JNU convention center, New Delhi.
4. Participated in national conference on “Combating industrial pollution for sustainable environment- A fusion of industrial and scientific efforts” held at Gargi college, University of Delhi, Delhi on September 22-23, 2016.
5. Attended the INSCR International Conference 2017 on “Role of Microbe-Plant-Animal Interactions in Human Health” from September 26-28, 2017.
6. Attended a two day National Seminar titled “Mentoring the Teacher-Mentors: Capacity Building Programme” on 19th & 20th January 2018, Gargi College.
7. Attended a two-day lecture symposium on Ingenuity in biological sciences organised by department of zoology, Gargi college, Delhi University from January 11-12, 2018
8. Attended the national symposium on “Microbes and nanotechnology for sustainable environment” on 7th February 2019 organized by Kirori Mal College, University of Delhi.
9. Attended National Symposium on "Recent Trends and Ethics in Biological Research" organized by the Department of Zoology, Dyal Singh College on 7th March' 2020.
10. Attended 7 days International Webinar series held during Brain Awareness Week organized by Gujarat Forensic Sciences University (IFS) and Centre for Cognitive and Brain Sciences (IIT Gandhinagar), funded by IBRO and Dana Foundation, from 22-28 May 2020.
11. Attended 10 days National Policy Workshop Webinar Series on “Countermeasures for Riverine and Marine Plastic Litter in India” during 12-22 May 2020, organized by National Productivity Council (Under Ministry of Commerce & Industry, Govt. of India).

12. **Organizing committee member and Co-Chair** during the annual International conference of the Association of Microbiologists of India (AMI) and the Indian Network for Soil Contamination Research (INSCR), in association with TERI, DU, IARI and INSA held on 3-5 February, 2021.
13. **Organized** a lecture on “Wildlife research and conservation- Future prospects” by Ms. Vaishali Rawat on 7th September, 2018
14. **Convener for the workshop** “It’s in My Genes: A Molecular Biology Approach” at Department of Zoology, Gargi College on 14th- 15th March, 2017.
15. **Organizing Member of a symposium** on “Wanderers of Nature: Exploring Wildlife” scheduled on 12th March 2018, in Gargi College.
16. **Resource person** for DU Pre-Entrance Summer School 2017: Zoology for Biotechnology held from June 9-22, 2017.
17. **Resource person** for DU Pre-Entrance Summer School 2018: Zoology for Biotechnology held from June 1-15, 2018.
18. **Resource person** for summer workshop on Interdisciplinary sciences under star college scheme funded by DBT (Ministry of science and Technology) from 26th to 31st May, 2018. Organized by Gargi College, DU.
19. **Co-Convener for the inter-college hands on workshop “BIOTECHNIQUE”** under DBT-STAR college scheme and IQAC held on 23rd and 24th December, 2019.
20. **Convener** for the National Webinar Series on Covid-19 pandemic held on 1, 2 and 5 May 2020
21. **Convener** for the International E-conference “NeuroEunoia 2020: A Neuroscience Affair” organized on CISCO-WEBEX platform from 16-17 October 2020. Cash prizes of Rs. 10000/- sponsored by Indian Academy of Neuroscience, Lucknow. 61 Poster presentations.
22. **Convener** of the National Webinar entitled "Yoga for Peace" held on 16 November 2020 hosted by Gargi College in association with Isha Yoga Foundation.
23. **Convener** for the International Symposium WISE (Women in Science Event) held on 11th February 2021 on the occasion of International Day for Women and Girls in Science.
24. **Convener** for the International colloquium ‘Breaking stereotypes-*la femme*-Her Story’ scheduled on the occasion of International Women’s Day on 8th March.
25. **Organizing secretary and Co-Chair** during the during the 6th Annual International Conference of INSCR on MICROBES IN SUSTAINABLE DEVELOPMENT organized in association with the Department of Zoology (DU), Acharya Narendra Dev College (DU), Deen Dayal Upadhyaya College (DU), Gargi College (DU), Kirori Mal College (DU), PG Department of Zoology (MU), Maitreyi College (DU), Ramjas College (DU), Sri Venkateswara College (DU), C.M.P. College (AU), SGTB Khalsa College (DU), COCAS (PU); PhiXgen Pvt. Ltd., Gurugram from November 15 to 18, 2021.

WORKSHOP/TRAINING PROGRAMME ATTENDED

1. Completed ASM virtual workshop on Scientific Writing and Publishing held at Sri Venkateswara College, University of Delhi, awarded on 6th February, 2013.
2. Attended in workshop on “h-index” held at Gargi College, University of Delhi, Delhi on March 09, 2017.
3. Attended workshop on “Applications of Flow Cytometry”, organized by Department of Zoology and D.S. Kothari Centre for Research and Innovation in Science Education, Miranda House, University of Delhi on 20th March, 2015. Participated in 8TH Orientation program held at HRDC, JNU from 3rd October till 28th October 2016.
4. Participated in 23rd Refresher course in Life Sciences and Biotechnology held at HRDC, JNU from 8th October till 2nd November 2018
5. Two-week FDP on ‘Managing online classes and co-creating MOOCs 2.0 organized by Teaching and Learning Centre, Ramanujan College, University of Delhi from 18 May 2020- 3 June 2020.
6. Two-week FDP on ‘Advanced Concepts for Developing MOOCs organized by Teaching and Learning Centre, Ramanujan College, University of Delhi from 02 July 2020- 17 July 2020.
7. 1-week FDP on ‘Open Source Tools for Research’ sponsored by MHRD- PMMMNMTT in association with Research Development and Services Cell, Ramanujan College, University of Delhi from 8th June-

14th July 2020

- 10 days professional training program on 'Genomics and Metagenomics: Hands on training experience on data analysis' conducted by Phixgen Pvt. Ltd. Gurugram, Harayana, from 1-10 July, 2020.
- Completed successfully two week online national faculty development program on 'Digital Tools for 21st Century Teachers' from 10 to 23 December, 2020, organized by Guru Angad Dev teaching learning centre and SGTB Khalsa college, University of Delhi under Pandit Madan Mohan Malviya National mission on teachers and teaching (PMMMNTT) of MoE.

RESEARCH PROJECTS (MAJOR GRANTS/RESEARCH COLLABORATION)

AWARDS AND DISTINCTIONS

- Awarded certificate of distinction for securing 1st position in Acharya Narendra Dev College (2004- 2005).
- South Campus Topper (Second Position) in B.Sc. (Hons.) Zoology (2005-2006).
- South Campus Topper (Third Position) in B.Sc. (Hons.) Zoology (2004-2007).
- Received DU Science Meritorious Award in B.Sc. (Hons.) Zoology (2004-2005).
- Secured fourth rank in Delhi University in B.Sc. (Hons.) Zoology.
- Receiving Senior Research Fellowship from Council of Scientific and Industrial Research (CSIR-SRF) in Life Sciences (2011) and awarded Junior Research Fellowship from Council of Scientific and Industrial Research (CSIR-JRF) in Life Sciences (2009-2011).
- Qualified National Eligibility Exam of University Grants Commission-Junior Research Fellowship examination held in June 2008.
- Qualified National Eligibility Exam of Council of Scientific and Industrial Research- Junior Research Fellowship examination held in December 2008.

ASSOCIATION WITH PROFESSIONAL BODIES

Reviewer: American Journal of Molecular Biology; BioMed Research International; Indian Journal of Microbiology

Associate Editor: Biosphere

Life member: Association of Microbiologists of India (AMI) and Indian Network for Soil Contamination Research (INSCR)

OTHER ACTIVITIES

- Invited lecture in Biotechnology course for DU Pre-Entrance Summer School 2017 held from June 9-22, 2017.
- Invited lecture in Biotechnology course for DU Pre-Entrance Summer School 2018 held from June 1-15, 2018.
- Invited talk in one-month free CSIR-UGC Life Science lecture series in Physiology organized by Phixgen Pvt. Ltd on 15th March, 2021.
- Resource person for IGNOU Centre (May 2014-2015, 2017).
- Part of Departmental trip (with students) to Jaisalmer, 2014 and Delhi Zoo (B.Sc. (H) Zoology, 2014 for Ecology practical and B.A. Programme 2015 for EVS.
- Participated in NAAC and STAR college work.
- Editor of Departmental magazine 'Flight' 2015-16.
- Editor of Departmental magazine 'Flight' 2016-17.
- Part of Departmental trip (with students) to Manali, Oct, 2017
- Convener for annual college ranking surveys of MDRA-India Today surveys (2017-21) and THE WEEK from 2018-20.
- Participated in Golden Jubilee celebration.
- Judged three events 2017: Ms. Fresher's 2017, Darwin Day Poster making competition and Science fiction writing under Scintillations.

- Committee member for college Prospectus 2018-19
- Departmental coordinator for Life sciences admissions 2018-19
- Accompanied students to a visit at National Brain Research Centre, Manesar on 28th February 2019, National Science Day.
- Convener for college Prospectus 2019-20, 20-21
- Courses committee member for the paper Basics of Neuroscience in B.Sc. (H) Zoology, 2019-20
- Courses committee member for the paper Biochemistry and Immunology (223551) in Applied Life Science (UGCR2019), 2019-20
- Coordinator of the NAAC Steering committee for the second NAAC re-accreditation, (2015-20) for the fourth criterion of Infrastructure maintenance.
- Science coordinator for OBE examination November 2020 and July 2021.
- Judge of the inter-departmental declamation contest 'Tenetoration' organized by the department of chemistry held on 27 Feb 2021 via. Google meet.