




Shivaji College Faculty Details Proforma

Title	DR	First Name	NIDHI	Last Name	GARG	Photograph
Designation	ASSISTANT PROFESSOR (AD-HOC)					
Address	Pocket E-16, Plot No. 136/137, Sector 8, Rohini, New Delhi-110085, India					
Office Phone No.						
Residence	011-45564815					
Mobile	9811929484					
Email	nidhigarg1804@gmail.com					
Web-Page						
Educational Qualifications						
Degree	University/Institute				Year	
Ph.D.	Department of Zoology, University of Delhi					
M.Phil./M.Tech.	Nil				2012	
PG	Hansraj College, Department of Zoology, University of Delhi				2008	
UG	Sri Venkateshwara College, Department of Zoology, University of Delhi				2006	
Any Other Qualification						
Career Profile						

Teaching Experience:

University Teaching Assistant (2009-2012)

Taught master courses to post-graduate students in the Department of Zoology, University of Delhi, Delhi.

Assistant Professor (23rd July – 23rd November 2012)

Taught bachelor courses to under-graduate students in the Deen Dayal Upadhyay College, University of Delhi, Delhi.

Assistant Professor (3rd January 2013 – 22nd May 2015)

Taught bachelor courses to under-graduate students in the Hindu College, University of Delhi, Delhi.

Assistant Professor (3rd October 2015 – 19th May 2017)

Taught bachelor courses to under-graduate students in the Deshbandhu College, University of Delhi, Delhi.

Assistant Professor (31st July 2017 – 17th February 2018)

Taught bachelor courses to under-graduate students in the Daulat Ram College, University of Delhi, Delhi.

Assistant Professor (19th February 2018 – 23rd June 2018)

Teaching bachelor courses to under-graduate students in the Gargi College, University of Delhi, Delhi.

Assistant Professor (Guest) (26th July 2018 – 16th April 2019)

Teaching bachelor courses to under-graduate students in the Shraddhanand College, University of Delhi, Delhi.

Assistant Professor (Guest) (30th July 2018 – 16th April 2019)

Teaching bachelor courses to under-graduate students in the Kalindi College, University of Delhi, Delhi.

Assistant Professor (25th July 2019 – 12th June 2020)

Teaching bachelor courses to under-graduate students in the Shivaji College, University of Delhi, Delhi.

Administrative Assignments

NIL

Areas of Interest/Specialisation

Research Experience:

1. Analysis of HCH residues and metabolites from HCH contaminated soil samples.
2. Isolation and characterization of Sphingomonads and *Pontibacter* species isolated from the HCH contaminated soils.
3. Determination of the degradation pathways of HCH isomers (α -, β -, γ -, δ - and ϵ -HCH) in Sphingomonads.
4. Standardization of growth of Sphingomonads in both small-scale (shake flask) and large-scale (fermentor of 50 L capacity).
5. Development of a microbial consortium for the bioremediation of HCH contaminated soils.
6. Conducted mesocosm study and field trials for the development of bioremediation technology for HCH contaminated sites.
7. Protein expression, purification by FPLC, SDS-PAGE, Enzyme assays, Enzyme kinetics.

Techniques Known:

1. **Molecular Biology:** Genomic and plasmid DNA isolation, Agarose gel electrophoresis, Restriction digestion of plasmid DNA, Transformation of bacterium like *Escherichia coli* with plasmid DNA using the method of electroporation and heat shock, Dot Blot hybridization, Gene cloning.
2. **DNA Sequencing:** Designing the gene sequencing primers using Gene runner software. Sequencing the 16S rRNA gene followed by sequence analysis using ABI Sequence Analyzer software. Multiple alignment of DNA sequences using BioEdit and CustalW software
3. **Protein:** Protein expression, His-tagged protein purification by FPLC, SDS-PAGE, Digital image analysis, Enzyme assays, Enzyme kinetics.
4. **Microbiology:** Preparation of different types of culture media, Pouring of culture media plates, slants and stabs, Isolation, purification and maintenance of bacterial cultures, Streaking and spreading of bacterial cultures, Staining techniques, Lyophilization of bacterial cultures and their revival, Measurement of bacterial growth by spectrophotometry and Serial dilution technique.
5. **Chromatography:** Thin Layer Chromatography (TLC), Reverse phase Thin Layer Chromatography (RP-TLC), Column Chromatography, Gas Liquid Chromatography (GLC), Gas Chromatography-Mass Spectroscopy (GC-MS), Fast pressure Liquid Chromatography (FPLC).
6. **Fermentation:** Mass cultivation of bacteria in large size fermentors.
7. **Bioinformatics:** Sequence analysis, genome annotation using Artemis (version 10) and RAST, database similarities searches, Multiple sequence alignment, Phylogenetic analysis (PHYLIP, TreeCon, Mega4), Analytical softwares such as Clone Manager. MS-word, PowerPoint, Excel and Picture Manager.

Subjects Taught

ECOLOGY
 CELL BIOLOGY
 MOLECULAR BIOLOGY
 BIOTECHNOLOGY
 IMMUNOLOGY
 BIOCHEMISTRY
 DIVERSITY OF CHORDATES
 PHYSIOLOGY AND BIOCHEMISRY
 SERICULTURE
 APICULTURE
 ANIMAL DIVERSITY

Innovation Project/Research Projects (Major Grants/Research Collaboration)

NIL

Publications Profile (Research Papers/Books)

Research Publications:

1. **Garg, N.** and Lal, R. 2010. Synthetic Biology: Bacteria overtake computers. (News and Views). *Indian J. Microbiol.* 50:113-114. ISSN: 0046-8991 (print version) ISSN: 0973-7715 (electronic version). **Impact factor- 0.901**
2. 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. and Lal, R. 2010. A New Life in a Bacterium through Synthetic Genome: Landmark experiments by Craig Venter. *Indian. J. Microbiol.* **50**:125-131. ISSN: 0046-8991 (print version), ISSN: 0973-7715 (electronic version). **Impact factor- 0.901**
3. 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. and Lal, R. 2011. Evaluation of hexachlorocyclohexane

- contamination from the last Lindane production plant operating in India. *Environ. Sci. Pol. Res.* **18**:586-597. ISSN: 0944-1344 (print version) ISSN: 1614-7499 (electronic version). **Impact factor- 2.65**
4. **Garg, N.**, Bala, K. and Lal R. 2012. *Sphingobium lucknowense* sp. nov., a hexachlorocyclohexane (HCH) degrading bacterium isolated from HCH contaminated soil. *Int. J. Syst. Evol. Microbiol.* **62**: 618-623. ISSNs: Print 1466-5026; Online 1466-5034. **Impact factor- 2.112**
 5. Geueke, B., **Garg, N.**, Ghosh, S., Fleischmann, T., Holliger, C., Lal, R., and Kohler H-P., E. 2012. Metabolomics of hexachlorocyclohexane (HCH)-transformation: Ratio of LinA to LinB determines metabolic fate of HCH isomers. *Environ. Microbiol. and Environ. Microbiol. Reports* **15**: 1040-1049. Online ISSN: 1758-2229. **Impact factor- 2.708.**
 6. Dwivedi, V., Sangwan, N., Nigam, A., **Garg, N.**, Niharika, N., Khurana, P., Khurana, J., and Lal R. 2012. Draft Genome Sequence of *Thermus* sp. RL Isolated from Hot Water Spring Located atop the Himalayan Ranges at Manikaran, India. *J. Bacteriol.* **194**:3297-3568. Print ISSN: 0021-9193 Online ISSN: 1098-5530. **Impact factor- 3.5**
 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, J. A., Dowd, S. E., Raman, R., Khurana, P., Khurana, J. P. and Lal R. 2012. Comparative Metagenomic analysis of soil microbial communities across three Hexachlorocyclohexane gradients. *PLOS One.* (DOI: 10.1371/journal.pone.0046219). ISSN No.1932-6203. **Impact factor- 4.05**
 8. Singh, A. K., **Garg, N.**, Vikram, S. and Lal, R. 2013. *Pontibacter ramchanderi* sp. nov., isolated from hexachlorocyclohexane (HCH) contaminated soil sediment in pond located in the vicinity of lindane production unit. *Int. J. Syst. Evol. Microbiol.* **63**:2829-2834. ISSNs: Print 1466-5026; Online 1466-5034. **Impact factor- 2.112**
 9. Gupta, S. K., Lal, D., Lata, P., Sangwan, N., **Garg, N.**, Holliger, C. and Lal, R. 2013. Changes in the bacterial community and *lin* genes diversity during biostimulation of indigenous bacterial community of Hexachlorocyclohexane (HCH) dumpsite soil. *Microbiology.* **82**: 234-240. ISSNs: 1350-0872 (Print); 1465-2080 (Online). **Impact factor- 2.852**
 10. Singh, A. K., **Garg, N.**, Negi, P. L., Kumar, R., Negi, V., Vikram, S., and Lal, R. 2014. *Pontibacter indicus* sp. nov., isolated from hexachlorocyclohexane (HCH) contaminated soil. *Int. J. Syst. Evol. Microbiol.* **64**: 254–259. ISSNs: Print 1466-5026; Online 1466-5034. **Impact factor- 2.112**
 11. Singh, A. K., **Garg, N.**, and Lal, R. 2015. *Pontibacter chinhatensis* sp. nov., isolated from pond sediment containing discarded waste of Hexachlorocyclohexane (HCH) isomers. *Int. J. Syst. Evol. Microbiol.* **65**: 2248-2254. ISSNs: Print 1466-5026; Online 1466-5034. **Impact factor- 2.112**
 12. Dwivedi, V., Kumari, K., Gupta, S. K., Kumari, R., Tripathi, C., Lata, P., Niharika, N., Singh, A. K., Kumar, R., Nigam, A., **Garg, N.** and Rup Lal. 2015. *Thermus parvatiensis* RLT sp. nov., isolated from a hot water spring, located atop the Himalayan ranges at Manikaran, India. *Indian J. Microbiol.* **55**(4): 357–365. ISSN: 0046-8991 (print version) ISSN: 0973-7715 (electronic version). **Impact factor- 0.901**
 13. **Garg, N.**, Negi, P. L., Jit, S., Sangwan, N., Singh, A. K., Dwivedi, V. Niharika, N., Kaur, J., Saxena, A., Dua, A., Nayyar, N., Kohli, P., Geueke, B., Kunz, P., Rentsch, D., Holliger, C., Kohler H-P. E., and Lal, R. 2016. Field scale bioremediation of hexachlorocyclohexane (HCH) contaminated soils by means of bioaugmentation and biostimulation. *Biodegradation.* **27**(2-3):179-193. ISSN: 0923-9820 (print version) ISSN: 1572-9729 (electronic version) **Impact factor-2.5**
 14. Goel, S and **Garg, N.** 2018. Newest Therapeutic Approaches for Tinnitus Matching and Treatment. *J Otolaryngol ENT Res.* **10**(6):352-353. ISSN: 2379-6359. **Impact factor- 0.628.**

Chapters written:

1. Shailly Anand, Jaya Malhotra, Neha Niharika, Devi Lal, Swati Jindal, Jaspreet Kaur, Aeshna Nigam, **Nidhi Garg**, Pushp Lata, Jasvinder Kaur, Naseer Sangwan, Amit Kumar Singh, Ankita Dua, Anjali Saxena, Vatsala Dwivedi, Udit Mukherjee and Rup Lal. 2013. "Bioremediation of Hexachlorocyclohexane (HCH) Pollution at HCH Dump Sites."

- Knowledge Systems of Societies for Adaptation and Mitigation of Impacts of Climate Change. Environmental Science and Engineering. 387-404. DOI 10.1007/978-3-642-36143-2_23. Online ISBN 978-3-642-36143-2. **Impact factor- 3.5.**
2. Simran Jit and **Nidhi Garg**. 2015. RNA Structure & Function. Subject Zoology (Molecular biology). Institute of Life Long Learning. ISSN: 2349-145X
 3. **Nidhi Garg**. and Kiran Bala 2015. Microbial Growth Kinetics. Subject Zoology (Biotechnology). Institute of Life Long Learning. ISSN: 2349-145X
 4. **Nidhi Garg** 2015. Food biotechnology: Applications of biotechnology in making wine and beer. Subject Zoology (Biotechnology). Institute of Life Long Learning. ISSN: 2349-145X
 5. **Nidhi Garg**. and Simran Jit 2015. Fermentation Process. Subject Zoology (Biotechnology). Institute of Life Long Learning. ISSN: 2349-145X
 6. **Nidhi Garg**. and Dr. A. Archana. 2015. Applications of Food biotechnology: fermented dairy products and bread. Subject Zoology (Biotechnology). Institute of Life Long Learning. ISSN: 2349-145X
 7. **Nidhi Garg**. and Simran Jit. 2015. Fermentation Products and Downstream Processing. Subject Zoology (Biotechnology). Institute of Life Long Learning. ISSN: 2349-145X
 8. Kiran Bala and **Nidhi Garg**. 2016. Chromosomal Mutations. Subject Zoology (Genetics). Institute of Life Long Learning. ISSN: 2349-145X
 9. Simran Jit and **Nidhi Garg**. 2016. Applications of microbes in industry: Production of primary and secondary metabolites. Subject Zoology (Biotechnology). Institute of Life Long Learning. ISSN: 2349-145X
 10. **Nidhi Garg** and Roshan Kumar. (2016). Comparative genomics. Chapter 2: Module 5. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT, MHRD.
 11. **Nidhi Garg** (2016). RNA mediated mechanisms: RNA Interference. Chapter 8: Module 21. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT, MHRD.
 12. **Nidhi Garg** (2016). Microarray Part I. Chapter 11: Module 29. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT, MHRD.
 13. **Nidhi Garg** (2016). Microarray Part II. Chapter 11: Module 29. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT, MHRD.
 14. **Nidhi Garg** and Helianthous Verma (2016). Large scale analysis of genome: Metagenomics. Chapter 13: Module 39. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT, MHRD.
 15. **Nidhi Garg** (2016). Large scale analysis of genome: Human Genome Project Part I. Chapter 13: Module 41. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT, MHRD.
 16. **Nidhi Garg** (2016). Large scale analysis of genome: Human Genome Project Part II. Chapter 13: Module 42. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT, MHRD.
 17. **Nidhi Garg** and Udit Mukherjee (2017). RNA mediated mechanisms: Micro RNA and Si-RNA. Chapter 8: Module 22. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT, MHRD.
 18. **Nidhi Garg** and Anjali Saxena (2017). Model organisms in genetics: *E. coli*, *Saccharomyces cereviceae*, *Arabidopsis thaliana*. Chapter 9: Module 23. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT, MHRD.
 19. **Nidhi Garg** and Helianthous Verma (2017). Large scale analysis of genome: Functional Genomics. Chapter 13: Module 36. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT, MHRD.
 20. **Nidhi Garg** and Jaya Malhotra (2017). Model organisms in genetics: *Drosophila melanogaster*, *Caenorhabditis elegans*. Chapter 9: Module 24A. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT, MHRD.
 21. **Nidhi Garg** and Jaya Malhotra (2018). Large scale analysis of genome: System Biology. Chapter 13: Module 43. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT, MHRD.

22. **Nidhi Garg** and Jaya Malhotra (2018). Model organisms in genetics: *Mus musculus* and Zebra Fish. Chapter 9: Module 24B. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT, MHRD.
23. **Nidhi Garg** and Shanuja Beri (2018). Transport across cell membrane: Diffusion, facilitated transport, active transport. Subject: Cell Biology. E-lesson epathshala under NME-ICT, MHRD.
24. **Nidhi Garg** and Shanuja Beri (2018). Structure and function of biomembranes. Subject: Cell Biology. E-lesson epathshala under NME-ICT, MHRD.

Online Articles

1. Nipah Virus- A new Biological Threat. <http://www.sciphoria.com/2018/05/nipah-virus.html>.

Conference/Seminar/Faculty Development Programme/Workshop

1. Participated in 49th Annual Conference of The Association of Microbiologists of India entitled "International Symposium on Microbial Biotechnology: Diversity, Genomics & Metagenomics" from 18-20th November, 2008 at University of Delhi, Delhi, India.
2. Participated in meeting of Indo Swiss Collaboration in Biotechnology (ISCB) project (Phase III) entitled "Environmental Risk and Bioremediation of Hexachlorocyclohexane Isomers" held on 16th November, 2009 at the Department of Zoology, University of Delhi, Delhi, India.
3. Participated in 51st Annual Conference of The Association of Microbiologists of India entitled "International Symposium on Recent Advances in Cross-disciplinary Microbiology: Avenues & Challenges" from 14-17th December, 2010 at Birla Institute of Technology, Ranchi, Jharkhand, India.
4. Participated in International Conference on "Recent trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants" organized by Indo-Swiss Collaboration in Biotechnology (ISCB) from 9-11th February 2011 at University of Delhi, Delhi, India.
5. Participated in ISCB International Symposium entitled "A decade experience in R&D and Technology Management" organized by Indo-Swiss Collaboration in Biotechnology (ISCB) from 10-11th March 2011, Symposium Hall, NASC Complex, New Delhi, India.
6. Participated in AMI conference entitled International Conference on Microbial Biotechnology for Sustainable Development" from 3-6th November 2011 at Panjab University, Chandigarh, India.
7. Participated as a resource person in the workshop on "Biotechnology: Trends and Techniques" from 28th-31st May, 2013 held at the Department of Zoology, Hindu College, University of Delhi, Delhi.
8. Participated in ASM virtual workshop on "The Art of Science Communication" on 4th September, 2013 at Ramjas College, University of Delhi, Delhi-110007.
9. Participated in the workshop on "Applied Genomics and Proteomics" from 12th-14th March, 2014, held at Deshbandhu College In Association with BioRad, University of Delhi, New Delhi.
10. Participated in the "Purple Day Programme" on 25th March, 2014, held at SGTB Khalsa College, University of Delhi, Delhi.
11. Participated in the 9th Annual Symposium on "Frontiers in Biomedical Research" from 14th -16th April, 2014, held at Ambedkar Centre for Biomedical Research, University of Delhi, Delhi.
12. Participated in 1st International conference on "Emerging Trends of Nanotechnology in Drug Discovery" from 26-27th May, 2014, held at, University of Delhi, South Campus, New Delhi, India.

13. Participated in the workshop on “Scientific Writing and Oral Presentation” held on 6th December, 2014, at Hindu College, University of Delhi, Delhi.
14. Participated in workshop on “Biochemistry of Metabolic Processes” held on 2nd February, 2015, at Kirori Mal College, University of Delhi, Delhi.
15. Participated in National Symposium on “Vector Biology and Vector Management” held on 12th February, 2015, at Deshbandhu College, University of Delhi, New Delhi.
16. Participated in DBT Star College Project involving a One Day Workshop on “Applications of Flow Cytometry” held on 20th March, 2015, at Miranda House, University of Delhi, Delhi.
17. Participated in the workshop on “Renovating Bacterial Taxonomy with Bioinformatics” held on 14-15th May, 2015, at the Department of Zoology, University of Delhi, Delhi.
18. Participated in the Young Scientist Conference as part of the “India International Science Festival” held from 4th-8th December, 2015 at IIT, Delhi.
19. Participated as an organizing member in the “INSPIRE Internship Programme-2015” held from 14th-18th December, 2015, at Deshbandhu College, University of Delhi, New Delhi.
20. Participated in the workshop on “Training the Trainers: IPR Workshop” held on 15th January, 2016, at Miranda House, University of Delhi, Delhi.
21. Participated as a resource person in the National Symposium entitled “Reproductive Biology: Concerns and Awareness” held on 12th February, 2016, at the Department of Zoology, Deshbandhu College, University of Delhi, New Delhi.
22. Participated as an organizing member in the Second National Symposium on “Environment: Greener Future & Awareness” held on 19th March, 2016, at Deshbandhu College, University of Delhi, New Delhi.
23. Participated in the National Workshop on “Recent Trends in Biochemistry and Biotechnology (NRTBB-2016)” held from 21st-22nd April, 2016, at Deshbandhu College, University of Delhi, New Delhi.
24. Participated as an organizing member in the Third National Symposium on “Environment: Challenges Generation Next” held on 31st March, 2017, at Deshbandhu College, University of Delhi, New Delhi.
25. Participated in the Workshop on “Women Health and Cancer Awareness Workshop” held on 7th April, 2017, at Miranda House, University of Delhi, Delhi.
26. Participated in the National Conference & Workshop on “Trends and Scope of Forensic Science” held from 11-12th April, 2017, at Acharya Narendra Dev College, University of Delhi, New Delhi.
27. Participated in the workshop on “Mosquito-Borne Diseases in India: Acquire SKILLS-Mosquito KILLS” held on 18th August, 2017, at the Department of Zoology, Hindu College, University of Delhi, Delhi.
28. Participated in INSCR International conference (IIC-2017) on “Role of Microbe-Plant-Animal Interactions in Human Health” from 26-28th September, 2017, held at, University of Delhi, Delhi, India.
29. Attended the National Conference on “A Multidisciplinary Approach Towards Sustainability: A Novel Design” held on 23rd January, 2018, at the Daulat Ram College, University of Delhi, Delhi.
30. Participated in the faculty development programme for the paper Wildlife Management held on 19th February, 2018, at Sri Venkateshwara College, University of Delhi, New Delhi.

31. Participated as an organizing committee member in the Symposium on “Wonderers of Nature: Exploring Wildlife” held on 12th March, 2018, Department of Zoology, Gargi College, University of Delhi, New Delhi.
32. Participated in National Conference on “Innovation in Sciences in Emerging Challenges in Health and Environment (NSHE-2018)” held on 20th March, 2018, at the Daulat Ram College, University of Delhi, Delhi.
33. Attended the 2nd Task Force meet under Star College scheme on 8th and 9th May, 2018, held at Gargi College, University of Delhi, New Delhi.
34. Participated in National Conference on “Ancient Indian Knowledge: Science and Technology” from 17-19th July, 2018, held at, NIE Campus, NCERT, New Delhi, India.
35. Participated in fourth National Symposium on Environment: Green Technology for Environmental Sustainability, held on 25th September, 2018, at Deshbandhu College, University of Delhi, New Delhi.
36. Participated in National Seminar on “New Trends in Nanotechnology and Applications” from 27-28th October, 2018, held at, Atma Ram Sanatan Dharma College, University of Delhi, New Delhi.
37. Participated in Faculty Development Programme on “Sustainable Development” from 27-28th October, 2018, held at, Atma Ram Sanatan Dharma College, University of Delhi, New Delhi.
38. Participated in National Conference on “Urban Environmental Sustainability” from 7th- 8th February, 2019, held at Kalindi college, University of Delhi, New Delhi.
39. Participated in National Seminar on “Use of Scientific & Technical Terminologies in Sustainable Environment Development, its Challenges, Computational Analysis and Opportunities” held from 14th- 16th March, 2019, held at, Gargi College, University of Delhi, New Delhi.
40. Participated in International Conference on “Changing Environment: Understanding the Emerging Challenges and their Management Strategies With Pre-conference Workshop “The Foldscope” from 10th – 12th April, 2019, held at Conference Centre, University of Delhi, New Delhi.
41. Member, organizing committee for Campus Dragonfly Count Survey, workshop and Lecture, August 20, 2019, under DBT Star College Scheme in collaboration with WWF India, Bombay Natural History Society (BNHS) & CEC Delhi.
42. Participated in International Seminar on “Science, Environment and Spirituality (ISSES 2019)” on 13th September, 2019, held at, Shivaji College, University of Delhi, New Delhi.
43. Member, organizing committee for Campus Butterfly Count Survey, workshop and Lecture September 19, 2019, under DBT Star College Scheme in collaboration with WWF India, Bombay Natural History Society (BNHS) & CEC Delhi.
44. Participated as organizing committee member in the one-day National Seminar On “Recent Trends in Biological Research and Career Prospects” on 27th September, 2019, held at, Shivaji College, University of Delhi, New Delhi.
45. Participated in National Conference on “Insect-Plant Biology in 21st Century” from 4-5th November, 2019, at Deshbandhu College, University of Delhi, New Delhi.
46. Participated in one day Seminar on “Intellectual Property Rights” on 6th November, 2019, held at, Shivaji College, University of Delhi, New Delhi.
47. Resource person for the inter college LABORATORY SKILL TRAINING PROGRAMME at the session IV titled “Museum Keeping: Animal Specimen Maintenance” 2019 for Laboratory Assistants/Attendants in the Chemical and Life Science Laboratories from 27th November–3rd December, 2019, held at, Shivaji College, University of Delhi, New Delhi.

48. Organizing member for the inter college LABORATORY SKILL TRAINING PROGRAMME 2019 for Laboratory Assistants/Attendants in the Chemical and Life Science Laboratories from 27th November–3rd December, 2019, held at, Shivaji College, University of Delhi, New Delhi.
49. Participated in National Conference on “Relationship between Chemical Sciences and Society (RCSS-2020)” from 16th-17th January, 2020, at Shivaji College, University of Delhi, New Delhi.

Overseas Conferences Attended:

1. Attended the 4th FEMS (Federation of European Microbiological Societies) conference from 26-30th June 2011, at Geneva, Switzerland.
2. Attended the ICCE (EuCheMS International Conference on Chemistry and the Environment) conference “Emerging Issues in Environmental Chemistry: from Basic Research to Implementation” 14th September 2011, at ETH Zurich, Switzerland.

Research Guidance (Supervision of Doctoral Thesis/Dissertations)

NIL

Awards and Distinctions

Awards & Fellowships –

1. Awarded **Certificate of Merit** for securing first position in UDSC in graduation first year, by Sri Ventakeswara College, University of Delhi, India.
2. Awarded **Science Meritorious Award** (Rs. 800 for the purchase of books) for securing first position in UDSC in graduation first year, by Sri Ventakeswara College, University of Delhi, India.
3. Awarded **Certificate of Merit and Medal** for securing first position in South Campus in graduation, by Sri Ventakeswara College, University of Delhi, India.
4. Awarded **Certificate of Merit and Balaji Gold Medal** for securing first position in South Campus in graduation, by Sri Ventakeswara College, University of Delhi, India.
5. Awarded **Certificate of Merit and Dr. O. B. Tandon Memorial Gold Medal** for securing first position in South Campus in graduation, by Sri Ventakeswara College, University of Delhi, India.
6. Awarded **Certificate of Merit and Mrs. P. Gupta Meritorious Medal** for securing first position in South Campus in graduation, by Sri Ventakeswara College, University of Delhi, India.
7. Awarded **Certificate of Merit and Balaji Merit Medal** for securing first position in South Campus in graduation, by Sri Ventakeswara College, University of Delhi, India.
8. Awarded **Certificate of Merit and Bharatula Savitri Memorial Cash prize** for securing first position in South Campus in graduation, by Sri Ventakeswara College, University of Delhi, India.
9. Awarded **Certificate of Merit** for securing first position in Hans Raj College and first position in the University of Delhi, India, in post-graduation (Previous/First year).
10. Awarded **Science Meritorious Award** (Rs. 800 for the purchase of books) for securing first position in Hans Raj College and first position in the University of Delhi, India, in post-graduation (Previous/First year).
11. Awarded **Certificate of Merit** for securing first position in Hans Raj College and first position in the University of Delhi, India, in post graduation (Final year).
12. Awarded **Certificate of Merit and Hans Raj College Gold Medal** for standing first in the University of Delhi, India, in post-graduation.

13. Awarded **Science Meritorious Award** (Rs. 800 for the purchase of books) for securing first position in Hans Raj College and first position in the University of Delhi, India, in post-graduation (Final year).
14. Awarded **Junior Research Fellowship** of Council of Scientific and Industrial Research (CSIR), Government of India, July 2008.
15. Qualified **Junior Research Fellowship** by Indian Council of Medical Research (ICMR), Government of India for Junior Research Fellowship, July 2008.
16. Awarded **Senior Research Fellowship** of Council of Scientific and Industrial Research (CSIR), Government of India (January-2011 to January-2013).

Memberships

I was once a member of American Society for Microbiology (ASM) and Association of Microbiologists of India (AMI)

Other Academic Activities

Academic Counselor, Indira Gandhi National Open University (IGNOU), 38045 Shivaji College, University of Delhi for Programme BSCG for the Courses BZYCT-131 and BZYCT-133. Academic counselor code: AKLPG3556G/001.

Poster Presentation in Conferences/Seminar/Symposium:

1. Sanjay Kumar Gupta, Devi Lal, **Nidhi Garg** and Rup Lal "Monitored Natural Attenuation (MNA): A Case of Decontamination of Hexachlorocyclohexane (HCH) Contaminated Site" poster presented at 49th Annual Conference of Association of Microbiologists of India (AMI) International conference on "International Symposium on Microbial Biotechnology: Diversity, Genomics & Metagenomics", University of Delhi, Delhi on 18th November, 2008.
2. Pooja Sharma, S. K. Gupta, Kirti Kumari, Simran Jit, Devi Lal, Kiran Bala, **Nidhi Garg**, Jaya Malhotra, Shailly Anand, Christof Holliger, Hans-Peter Kohler, Vishakha Raina and Rup Lal. "Microbial Degradation of Hexachlorocyclohexane (HCH) & Prospects for Bioremediation" poster presented at 10th International HCH and Pesticides Forum, Brno, Czech Republic on 9th September 2009.
3. **Nidhi Garg**, Devi Lal, Pushp Lata, Anjali Saxena, Naseer Sangwan, Kiran Bala, Simran Jit and Rup Lal "Bioremediation of HCH Contaminated Soil Using Biostimulation and Bioaugmentation Approach" poster presented at 51st AMI (Association of Microbiologists of India) conference, Ranchi, India on 16th December 2010.
4. Kiran Bala, Pooja Sharma, Kirti Kumari, Simran Jit, Birgit Geueke, Neha Niharika, **Nidhi Garg**, Hans Peter Kohler, Thomas Poiger, Daniel Rentsch, Petra Kunz, Christof Holliger and Rup Lal "Purification of ϵ -HCH (Hexachlorocyclohexane); Role of LinA (HCH dehydrochlorinase) and LinB (HCH haloalkane dehalogenase in its transformation" poster presented at 51st Annual Conference of Association of Microbiologists of India (AMI) International conference on "International Symposium on Recent Advances in Cross-disciplinary Microbiology: Avenues & Challenges", Ranchi, India on 16th December 2010.
5. Amit Kumar Singh, Vatsala Dwivedi, Simran Jit, Pushp Lata, Neha Niharika, Jasvinder Kaur, Kiran Bala, **Nidhi Garg**, Devi Lal, Roland Weber and Rup Lal "Assessment of HCH (hexachlorocyclohexane) contamination from the last lindane production plant operating in India" poster presented at 51st Annual Conference of Association of Microbiologists of India (AMI) International conference on "International Symposium on Recent Advances in Cross-disciplinary Microbiology: Avenues & Challenges", Ranchi, India on 16th December 2010.
6. Aeshna Nigam, Naseer Sangwan, **Nidhi Garg**, Neha Niharika, Mansi Verma, Jaspreet Kaur, Paramjit Khurana, Jitendra P. Khurana, R. Rajagopal, and Rup Lal "Assembly and targeted genome sequencing of *Thermus manikarensis* RLM" poster presented at 51st Annual Conference of Association of Microbiologists of India (AMI) International conference on "International Symposium on Recent Advances in Cross-disciplinary Microbiology: Avenues & Challenges", Ranchi, India on 16th December 2010.

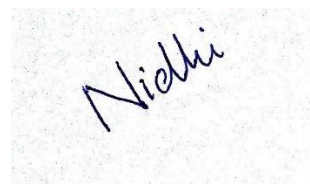
7. **Won best poster award for Nidhi Garg**, Devi Lal, Anjali Saxena, Christof Holliger and Rup Lal “Bioremediation of HCH Contaminated Soil Using Bioaugmentation Approach” poster presented at ISCB Conference, Delhi, India on 10th February 2011.
8. Milena Miska, Kiran Bala, Birgit Geueke, Neha Niharika, **Nidhi Garg**, Thomas Poiger, Daniel Rentsch, Rup Lal and Hans-Peter E. Kohler “The enzymatic degradation of epsilon-Hexachlorocyclohexane (ϵ -HCH)” poster presented at ISCB Conference, Delhi, India on 10th February 2011. **(Received Best Poster Award)**.
9. Kartik Sachdeva, **Nidhi Garg** and Rup Lal. “Analysing the role of biosurfactants in bioremediation of hydrocarbon contaminated soil” poster presented at ISCB Conference, Delhi, India on 10th February 2011.
10. Simran Jit, Pushp Lata, Neha Niharika, Jasvinder Kaur, Birgit Geueke, Kirti Kumari, Kiran Bala, **Nidhi Garg**, Roland Weber, Thomas Poiger, Daniel Rentsch, Petra Kunz, Hans-Peter Kohler, Christof Holliger & Rup Lal. “Assessment of HCH (hexachlorocyclohexane) & its metabolites contamination from the last lindane production plant operating in India” poster presented at ISCB Conference, Delhi, India on 10th February 2011.
11. Kiran Bala, Pooja Sharma, Kirti Kumari, Simran Jit, Birgit Geueke, Neha Niharika, **Nidhi Garg**, Hans Peter Kohler, Thomas Poiger, Daniel Rentsch, Petra Kunz, Christof Holliger and Rup Lal. “Purification Of ϵ -HCH (Hexachlorocyclohexane) And Role Of Enzymes LinA (HCH Dehydrochlorinase) And LinB (HCH Haloalkane Dehalogenase) In Its Biotransformation” poster presented at ISCB Conference, Delhi, India on 10th February 2011.
12. **Nidhi Garg**, Devi Lal, Anjali Saxena, Christof Holliger and Rup Lal “Bioremediation of Hexachlorocyclohexane (HCH) Contaminated Soil Using Bioaugmentation Approach” poster presented at ISCB International Symposium, Symposium Hall, NASC Complex, New Delhi, India on 10th March 2011.
13. Kiran Bala, Pooja Sharma, Kirti Kumari, Simran Jit, Milena Miska, Birgit Geueke, Neha Niharika, **Nidhi Garg**, Hans-Peter E. Kohler, Thomas Poiger, Daniel Rentsch, Petra Kunz, Christof Holliger and Rup Lal. “The enzymatic degradation of epsilon-Hexachlorocyclohexane (ϵ -HCH)” poster presented in ISCB International Symposium, Symposium Hall, NASC Complex, New Delhi, India on 10th March, 2011.
14. Devi Lal, **Nidhi Garg**, Om Prakash, Mandeep Dhadwal, Ajaib Singh, Hansi Kumari, Pooja Sharma, Sanjay Kumar Gupta, Kirti Kumari, Simran Jit, Mansi Verma, Kiran Bala, Aeshna Nigam, Jaspreet Kaur and Rup Lal. “Genotyping and Isolation of Sphingomonads from HCH Contaminated Agricultural Soils and their Application in Bioremediation” poster presented in the 5th AMAAS Review Meeting, NBAIM, Mau, Uttar Pradesh from 14-15th May 2011.
15. **Nidhi Garg**, Birgit Geueke, Hans Peter Kohler, Gunjan Pandey and Rup Lal. “Testing Newer Approaches for the Development of Bioremediation Technology for Hexachlorocyclohexane (HCH) Contaminated Sites.” 52nd Annual Conference of Association of Microbiologists of India (AMI) International Conference on “Microbial Biotechnology for Sustainable Development” Panjab University, Chandigarh 3rd- 6th November 2011. (Abstract submitted).
16. Vatsala Dwivedi, Aeshna Nigam, Neha Niharika, Naseer Sangwan, **Nidhi Garg**, Jaspreet Kaur, Mansi Verma, Udita Mukherjee, Paramjit Khurana, Jitendra P. Khurana, R. Rajagopal and Rup Lal. “Genome Sequencing of *Thermus sp.* RLM^T isolated from Hot Spring of Manikaran, India.” Poster presented at 52nd Annual Conference of Association of Microbiologists of India (AMI) International Conference on “Microbial Biotechnology for Sustainable Development” Panjab University, Chandigarh 3rd- 6th November 2011.
17. Amit Kumar Singh, **Nidhi Garg** and Rup Lal. “Isolation and Characterization of a Novel Bacterium; *Pontibacter ramchanderi* from Hexachlorocyclohexane Contaminated soil in the Vicinity of Lindane Production Unit.” Poster presented at 53rd Annual Conference of Association of Microbiologists of India (AMI) International conference on “Microbial World: Recent Innovations and Future Trends” KIIT, Bhubaneswar, Orissa, 22nd- 25th November, 2012.

18. Amit Kumar Singh, **Nidhi Garg**, Pushp Lata, Roshan Kumara, Vivek Negi and Rup Lal. "Isolation and Characterization of a Novel Bacterium: *Pontibacter indicus* sp. nov., Isolated from Hexachlorocyclohexane (HCH) Contaminated Soil." Poster presented at Platinum Jubilee Celebrations for Association of Microbiologists of India (AMI) Estd: 1938 & International Symposium on "Frontier Discoveries and Innovations in Microbiology and its Interdisciplinary Relevance" (FDMIR-2013), Department of Microbiology, Maharshi Dayanand University, Rohtak, Haryana, 17- 20th November, 2013.
19. **Nidhi Garg**, Birgit Geueke, Sneha Ghosh, Thomas Fleischmann, Christof Holliger, Rup Lal and Hans Peter Kohler. Metabolomics of hexachlorocyclohexane (HCH) transformation: ratio of LinA to LinB determines metabolic fate of HCH isomers. Poster presented at 9th Symposium on "Frontiers in Biomedical Research" organized by Dr. B. R. Ambedkar Centre for Biomedical Research from 14-16th April, 2014, held at Conference Hall, University of Delhi, Delhi, India.
20. **Nidhi Garg**, Pushp Lata, Simran Jit, Naseer Sangwan¹, Amit Kumar Singh, Vatsala Dwivedi, Neha Niharika, Jasvinder Kaur, Anjali Saxena, Ankita Dua, Namita Nayyar, Puneet Kohli, Birgit Geueke, Petra Kunz, Daniel Rentsch, Christof Holliger, Hans-Peter E. Kohler and Rup Lal. Bioremediation of Hexachlorocyclohexane (HCH) contaminated soils at laboratory and field scale using bioaugmentation and biostimulation approaches. Poster presented at INSCR International conference (IIC-2017) on "Role of Microbe-Plant-Animal Interactions in Human Health" from 26-28th September, 2017, held at, University of Delhi, Delhi, India.
21. Nidhi Garg, Sachin Goel and Indrakant Kumar Singh. Sushruta: The guru of plastic surgery and the progenitor of rhinoplasty. Poster presented at National Conference on "Ancient Indian Knowledge: Science and Technology" from 17-19th July, 2018, held at, NIE Campus, NCERT, New Delhi, India.
22. Shanuja Beri, Nidhi Garg Pollution and its Control: Microplastics- The Hidden Threat. Poster presented at fourth National Symposium on Environment: Green Technology for Environmental Sustainability, held on 25th September, 2018, at Deshbandhu College, University of Delhi, New Delhi.
23. Nidhi Garg, Shanuja Beri. Biodiversity: Threats & Conservation: The Red Panda- A success story. Poster presented at National Symposium on Environment: Green Technology for Environmental Sustainability, held on 25th September, 2018, at Deshbandhu College, University of Delhi, New Delhi.
24. Dev Raj and Nidhi Garg. War against plastics using bacteria. Poster presented at Recent Trends in Biological Research and Career Prospects, held on 27th September, 2019, held at, Shivaji College, University of Delhi, New Delhi.
25. Nidhi Garg, Ishika Panchal and Yashika Kataria. Synthesis of an artificial cell. Poster presented at Recent Trends in Biological Research and Career Prospects, held on 27th September, 2019, held at, Shivaji College, University of Delhi, New Delhi.
26. Priyanka Sahu, Simran Sharma and Nidhi Garg. Production of bioplastics and biodegradable plastics from waste products. Poster presented at Recent Trends in Biological Research and Career Prospects, held on 27th September, 2019, held at, Shivaji College, University of Delhi, New Delhi.
27. Simran Verma, Abhishek Pandey and Nidhi Garg. ZIKA VIRUS: WAY TO GO. Poster presented at Recent Trends in Biological Research and Career Prospects, held on 27th September, 2019, held at, Shivaji College, University of Delhi, New Delhi.

Cultural/Extracurricular Activities

Extracurricular activities:

1. Awarded **first prize** for Inter House Collage Competition Seniors in Class XI, by Holy Child Auxilium School, New Delhi, India.
2. Awarded **second prize** for Poetry Writing Competition Seniors, English in Class XI, by Holy Child Auxilium School, New Delhi, India.
3. Has worked as one of the editors of the annual school magazine in Class XI in Holy Child Auxilium School, New Delhi, India.
4. Awarded **first prize** for S.U.P.W. (Commercial Art) in Class XII, by Holy Child Auxilium School, New Delhi, India.
5. Awarded **Certificate of Merit** for securing first position in Quiz–Zoological Society Festival in graduation first year, by Sri Ventakeswara College, University of Delhi, India.
6. Awarded **Certificate of Merit** for active participation as Joint-Secretary of Zoological Society in graduation second year, by Sri Ventakeswara College, University of Delhi, India.
7. Awarded **Certificate of Merit** for active participation as Secretary of Zoological Society in graduation third year, by Sri Ventakeswara College, University of Delhi, India.
8. Awarded **first prize** for Collage Making Competition, by Sri Ventakeswara College, University of Delhi, India.
9. Awarded **second prize** for Extempore Competition, by Sri Ventakeswara College, University of Delhi, India.
10. Has done the anchoring at the 49th Annual Conference of The Association of Microbiologists of India entitled "International Symposium on Microbial Biotechnology: Diversity, Genomics & Metagenomics" from 18-20th November, 2008 at University of Delhi, Delhi, India.
11. Has worked as one of the editors of the annual college magazine in 2012, in Deen Dayal Upadhyay College, University of Delhi, Delhi.
12. Has done the anchoring at the National Symposium entitled "Reproductive Health in India: Concerns and Awareness" held on from 12th February, 2016 at Deshbandhu College, University of Delhi, New Delhi, India.



Signature of Faculty Member