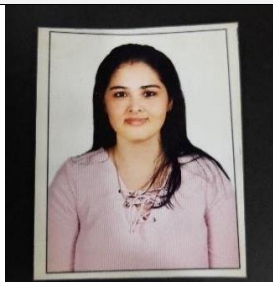




Faculty Details Proforma

Title	Dr.	First Name	Neha	Last Name	Niharika	Photograph
Designation	Associate Professor					
Address	Daulat Ram College, 4 Patel Marg , Delhi-110007					
Email- ID	nehaniharika@dr.du.ac.in					
Web Page						
Educational Qualification						
Degree	Institution					Year
Ph.D.	Molecular Biology Lab, Dept. of Zoology, University of Delhi					2014
M.Sc.	Dept. of Zoology, University of Delhi					2009
B.Sc.	Acharya Narendra Dev College, University of Delhi					2007
Career Profile						
I (Dr. Neha Niharika) have more than 12 years of teaching experience in Zoology. My expertise is in degradation of hexachlorocyclohexane (HCH) isomers by using microbes. I have also worked on microbial diversity at pesticide polluted sites and on reaction kinetics of degradation of HCH isomers during my Ph.D. I have published 16 research papers (13 International + 3 National) and a chapter on HCH BIOREMEDIATION. I have also authored a chapter on Cytokines(2023) which was published by CRC press and have published chapters on practical aspects in Immunology. Currently I am working on Microbes from hot springs and bacterial reclassification.						
Administrative Assignments						
- Teacher In Charge for the academic session 2025-26 - Worked as Deputy Coordinator for CEC (2024), Daulat Ram College for Zoology, Botany, Statistics and Operational Research.						
Areas of Interest/Specialization						
Molecular Biology, Biotechnology						

Subjects Taught

Basic Concept of Metabolism (Life Science), Biology of Cell(Zoology), Immunology, Parasitology(DSE), Cell and Developmental Biology, Medical Diagnostic.

Publications Profile

Book Chapters

- Assay based on agglutination reaction (blood typing active and passive). Essentials of Immunology. 2023 Vol.1.Pg336. ISBN No. 978-81-958057-4-7. Prestige Publisher.
- Isolation of lymphocytes from blood and spleen. Essentials of Immunology. 2023 Vol.1.Pg339. ISBN No. 978-81-958057-4-7. Prestige Publisher
- Cytokines: An Interplay of cellular and molecular components of Immunology. Vol.1. Pg336. ISBN No 978-10-032864-2-4. CRC press.

Research Articles

- Garg, N., Lata, P., Jit, S., Sangwan, N., Singh, A. K., Dwivedi, V., **Niharika, N.**, et al. Laboratory and field scale bioremediation of hexachlorocyclohexane (HCH) contaminated soils by means of bioaugmentation and biostimulation. 2016. (*Biodegradation*). Vol. 27. Pg. No. 179-193. ISSN No. 0923-9820. (Impact Factor **2.534**)
- Dwivedi, D., Kumari, K., Gupta, S.K., Kumari, R., Tripathi, C., Negi, P., **Niharika, N.**, Singh, A.K., Kumar, R., Nigam, A., Garg, N., and Lal, R. *Thermus parvatiensis* RL T sp. nov., Isolated from a Hot Water Spring, Located Atop the Himalayan Ranges at Manikaran, India. Indian. J. Microbiol. 2015. .Vol. 55(4). Pg. No. 357-365 ISSN No. 0046-8991.. (Impact Factor 0.5)
- **Niharika, N.**, H.Moskalikova, Kaur, J., M, Sedlackova A, Hampl, Damborsky, J., Z, Prokop and Lal, R. 2013. *Novophingobium barchiamii* LL02^T sp. nov., isolated from a hexachlorocyclohexane (HCH) dump site. *Int J Syst Envol Microbiol*. 63:667 – 672. [ISSN : **1466-5026**, Impact factor: **2.268**]
- **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 Envol Microbiol*. 63:723 – 728. [ISSN : **1466-5026**, Impact factor: **2.268**]
- **Niharika, N.**, Jindal, S., Kaur, J., and Lal R. 2012. *Sphingomonas indica* sp. nov., isolated from HCH contaminated soil. *Int J Syst Envol Microbiol*. 62, 2997–3002. [ISSN : **1466-5026**, Impact factor: **2.268**]
- Dwivedi, V., **Niharika, N** and Lal, R. 2012. *Pontibacter lucknowensis* isolated from hexachlorocyclohexane dump site. *Int J Syst Envol Microbiol* 63: 309–313. [ISSN : **1466-5026**, Impact factor: **2.268**]
- 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 Envol Microbiol*. 63:673 – 678. [ISSN : **1466-5026**, Impact factor: **2.268**]([#] contributed equally)
- Sharma, P., Jindal, S., Kiran, B., Kumari, K., **Niharika, N.**, Kaur, J., Pandey, G., Pandey, R., Russell, R. and Lal, R. Functional Screening of Enzymes and Bacteria for the Dechlorination of Hexachlorocyclohexane by a High-Throughput Colorimetric Assay. *Biodegradation* (doi 10.1007/s10532-013-9650-5). [ISSN : **0923-9820**, Impact factor: **2.173**]
- 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 Envol Microbiol*. 62, 2891–2896. [ISSN : **1466-5026**, Impact factor: **2.268**]
- **Niharika, N.**, Sangwan, N., Ahmad, S., Singh, P., Khurana, JP and Lal, R. 2013. Draft Genome Sequence of *Sphingobium chinhatense* IP26^T Isolated from the Hexachlorocyclohexane Dumpsite. *Genome A*. e00680-13. [ISSN: **2169-8287**, Impact factor: yet to come]
- 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 contamination levels. *PLoS One* : 7, e46219 .[eISSN-1932-6203, Impact factor: **3.730**]
- Dwivedi, V., Sangwan, N., Nigam, A., Garg, N., **Niharika, N.**, Khurana, P., Khurana, J.P., 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, 3534-3535 .[ISSN: **0021-9193**, Impact factor: **3.593**]
- Kaur, J., **Niharika, N.**, Lata, P. and Lal, R. 2010. “Biofilms: united we stand, divided we fall.” (News and Views).

- 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: 1614-7499, Impact factor: 2.618]
- 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., 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, Impact factor: 0.457]

Conference Organization/Presentation

- Organized SDP (Student Development Program) for college students on ICT tools (25-26) for Zoology(H)
- Organized SDP (Student Development Program) for college students on ICT tools.(23-24) for Life Sciences.
- Organized SDP (Student Development Program) for college students on Lifestyle Disorder (23-24).
- Organized SDP (Student Development Program) for college students on Animal Behaviour (22-23).
- Organizing Committee Coordinator for the conference Infection and Immunity held at Daulat Ram College in October 8-10, 2021.

Poster Presentation

- Jha, P., Gupta, S., Lata, P., **Niharika, N*** and Singh, J*, Antimicrobial resistance profiles of Hot spring Thermophiles revealing Environment across Human and Animal system” poster presented in National Conference on Emerging Paradigms in Sciences, Commerce & Humanities held at Daulat Ram College, University of Delhi from 16-17 April 2026(*corresponding author)
- Choudhary, A., Bhargava, V., Lata, P., Singh, J* and **Niharika, N***. Taxogenomic Assessment of the class Mollicutes: identifying putative homotypic synonyms using phylogenetic analysis and genome based markers poster presented in National Conference on Youth Engagement in One Health held at Hindu College, University of Delhi on 30th March, 2026(*corresponding author)
- Saw, N., Gupta, S., Lata, P., Singh, J* and **Niharika, N***. Thermophilic bacteria as Environmental reservoirs of Antimicrobial resistance” poster presented in National Conference on Emerging Paradigms in Sciences, Commerce & Humanities held at Daulat Ram College, University of Delhi from 16-17 April 2026(*corresponding author)
- Kaur, G., Bhargava, V., Lata, P., Singh, J* and **Niharika, N***. Comparative Genomic Analysis of Mollicutes for Taxonomic Evaluation and Detection of Heterotypic Synonyms poster presented in National Conference on Youth Engagement in One Health held at Hindu College, University of Delhi on 30th March, 2026(*corresponding author)

Research Projects (Major Grants/Research Collaboration)

Nil

Awards and Distinctions

- B.Sc.(H) Zoology, South Campus 1st Position for the year 2005-2006 (IInd yr Zoology), University of Delhi
- B.Sc.(H) Zoology, South Campus 1st Position for the year 2006-2007(IIIrd yr Zoology), University of Delhi.
- B.Sc.(H) Zoology, University 2nd Position for the year 2006-2007(IIIrd yr Zoology), University of Delhi
- Recipient of Post Graduate Scholarship (2007-2008) for M.Sc. Zoology, University of Delhi
- ISJRP(Indo Swiss Joint Research Fellowship) Fellowship funded by DST for the year 2013.

Association with Professional Bodies

Life time membership of Indian network for soil contamination and research(INSOCR)
Membership No. 2022-199

Other Activities

- Convenor For Zenith-The Western Dance Society Daulat Ram College.(2026-27)
- Convenor For Encore-The Western Music Society Daulat Ram College.(2026-27)
- Convenor For Debating Society Daulat Ram College.(2026-27)
- Co-Convenor For Time Table Committee ,Daulat Ram College.(2025-26)
- Convenor For Alahyaa -The Indian Music Society of Daulat Ram College.(2024-25)
- Convenor For Annhad -The Indian Dance Society of Daulat Ram College.(2024-25)
- Convenor For Koshika- The Zoological Society of Daulat Ram College.(2024-25)
- Convenor For Astitva- LifeScience Society of Daulat Ram College.(2023-24)
- Convenor ECA 2019-20, 2020-21.

