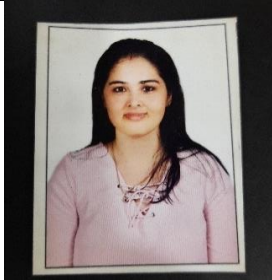




## Faculty Details Proforma

<b>Title</b>	<b>Dr.</b>	<b>First Name</b>	<b>Neha</b>	<b>Last Name</b>	<b>Niharika</b>	<b>Photograph</b>
<b>Designation</b>	<b>Assistant Professor</b>					
<b>Address</b>	<b>Daulat Ram College, 4 Patel Marg , Delhi-110007</b>					
<b>Email- ID</b>	<b>nehaniharika@dr.du.ac.in</b>					
<b>Web Page</b>						
<b>Educational Qualification</b>						
<b>Degree</b>	<b>Institution</b>				<b>Year</b>	
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	
<b>Career Profile</b>						
<p>I (Dr. Neha Niharika) have more than 11 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.</p>						
<b>Administrative Assignments</b>						
<ul style="list-style-type: none"><li>Worked as Deputy Coordinator for CEC (2024), Daulat Ram College for Zoology, Botany, Statistics and Operational Research.</li></ul>						
<b>Areas of Interest/Specialization</b>						
Molecular Biology, Biotechnology						

### **Subjects Taught**

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

**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<sup>T</sup> sp. nov., isolated from a hexachlorocyclohexane (HCH) dump site. *Int J Syst Evol 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<sup>T</sup> sp. nov., isolated from a hexachlorocyclohexane (HCH) dump site. *Int J Syst Evol 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 Evol 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 Evol Microbiol* 63: 309–313.[ ISSN : **1466-5026, Impact factor: 2.268**]
- Kaur, J<sup>#</sup>, Moskalikova, H<sup>#</sup>, **Niharika, N<sup>#</sup>**, Khan, F., Sedlackova, M., Hampl, A., Damborsky, J., Prokop, Z., and Lal R. 2013. *Sphingobium baderi* LL03<sup>T</sup> sp. nov., isolated from HCH contaminated soil. *Int J Syst Evol Microbiol.* 63:673 – 678. [ISSN : **1466-5026, Impact factor: 2.268**](<sup>#</sup> 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<sup>T</sup> sp. nov. Isolated from hexachlorocyclohexane (HCH) contaminated dumpsite in Lucknow. *Int J Syst Evol 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<sup>T</sup> Isolated from the Hexachlorocyclohexane Dumpsite. *GenomeA.* 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 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.

#### Research Projects (Major Grants/Research Collaboration)

Nil

#### Awards and Distinctions

- B.Sc.(H) Zoology, South Campus 1<sup>st</sup> Position for the year 2005-2006 (IInd yr Zoology), University of Delhi
- B.Sc.(H) Zoology, South Campus 1<sup>st</sup> Position for the year 2006-2007(IIIrd yr Zoology), University of Delhi.
- B.Sc.(H) Zoology, University 2<sup>nd</sup> 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(INSCR)  
Membership No. 2022-199

#### Other Activities

- 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.

