


Curriculum Vitae

Full Name:	DR. NISHA SINGH			
Designation:	Assistant Professor & Head			
Department:	Biochemistry, School of Life Sciences			
Campus:	Birla Campus			
Telephone:	+91-1346-250258 (O)	Fax:	-	
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Education Qualification:	PhD (Biochemistry) from BHU (<i>Institution of Eminence</i>) in 2014.			
Teaching Experience:	> 10 Years	Research Experience:	>14 Years	
Research Interest and Fields of Specialization				
1. Immunology 2. Leishmaniasis 3. Biogeochemistry				
Honours & Awards:				
1. Invited as 'Life Science Expert' by The Swedish Institute, Government of Sweden.				
2. ICMR Award for Biomedical Research by ICMR, Govt. of India.				
3. A. Krishnamurthy Award from SBC (I), IISc. Bangalore.				
4. Research Fellowships from DBT, Govt. of India; UGC-BHU.				
5. Multiple International ICGEB (International Scientific Organization) Grants.				
6. SERB-ITS Fellowship from SERB, Govt. of India.				
7. INSA-CSIR-DAE/BRNS-CICS Travel Fellowship.				
8. Best Poster Presentation Award.				
Member of Academic Institutions:				
1. External Expert of Ph.D. Program at Department of Bioscience & Biotechnology, Banasthali Vidyapith, Rajasthan.				
Membership of Scientific Organizations –				
1. The Indian Science Congress Association, India.				
2. The Society of Biological Chemists, IISc. Bangalore, India.				
3. Indian Immunology Society, India.				
4. Society for Plant Biochemistry and Biotechnology, India				
Research Supervision (No. of Ph.D. Degree Awarded/Submitted/Registered):				
1. Ph.D. Awarded- 1 [Ms. Anjali Gusain].				
2. M.Sc. Dissertation Awarded - 29				
Research Projects/ MoU undertaken:				
1. UGC-BSR Research Project. (Duration: 2015-17)				
Administrative Experience:				
At H.N.B. Garhwal University (A Central University):				
1. Head, Department of Biochemistry from February 1, 2024 onwards.				
2. Chairperson, Board of Studies (BOS), Department of Biochemistry				
3. Member, Departmental Academic Integrity Panel (DAIP), Department of Biochemistry.				
4. Member, Student Grievance Cell.				
5. Member (<i>Ex-officio</i>), Academic Council.				
6. Member (<i>Ex-officio</i>), School Board, School of Life Sciences.				
7. Head, Department of Biochemistry from February 1, 2019-2021.				
8. Member, Board of Studies (BOS), Department of Biochemistry.				

9. Member of the Inspecting Team visiting different Colleges in connection with the extension of their affiliations.
10. Member of Selection Committee for Guest Faculty appointment at Department of Biochemistry.
11. Graduate (B.Sc.), Post-Graduate [M.Sc. (Biochemistry)] Admission Committee Member.
12. National Service Scheme (NSS): Programme Officer (2018).
13. Assistant Superintendent of University Examinations (Even Semester, 2018).
14. Member of Departmental Purchase Committee, Department of Biochemistry.
15. Election Officer of Student Union Election.

Scientific Visits Abroad/ International Collaboration:

1. Trieste, Italy.
2. Stockholm, Sweden.
3. Cape Town, South Africa

Conference/Symposium/Workshop Attended during last five years (2015-2020):

Conference/Symposium/Workshop Organized during last five years (2015-2020):

Publications during last five years (2017-2022):

Journals:

1. Singh R, Anand A, Rawat AK, Saini S, Mahapatra B, Singh NK, Mishra AK, Singh S, **Singh N**, Kishore D, Kumar V, Das P, Singh RK. CD300a receptor blocking enhances early clearance of *Leishmania donovani* from its mammalian host through modulation of effector functions of phagocytic and antigen experienced T cells. *Frontiers in Immunology* 2022; 12: 793611 (**IF-8.78**).
2. Singh D, Patra S, Mishra AK, Mariappan S, **Singh N**. Temporal variation of saturated and near-saturated soil hydraulic conductivity and water-conducting macroporosity in a maize-wheat rotation under conventional and conservation tillage practices. *Land Degrad Dev.* 2022; 33(13): 2208-2219 (**IF-4.77**).
3. **Singh N**. Growth and yield of cauliflower under surface and subsurface drip irrigation with primarily treated municipal wastewater in a semi-arid peri-urban area. *Curr. Sci.* 2020; 119(8): 1357-1363 (**IF-1.169**).
4. Singh D, Patel N, Gadedjisso-Tossou A, Patra S, **Singh N**, Singh PK. Incidence of *Escherichia coli* in Vegetable Crops and Soil Profile Drip Irrigated with Primarily Treated Municipal Wastewater in a Semi-Arid Peri Urban Area. *Agriculture* 2020; 10(7): 291 (**IF-3.40**).
5. **Singh N**, Singh S, Rawat AK. *In Silico* Identification of *L. Donovanii* Excretory-secretory Proteins Interacting with Human SLC11A1. *Journal of Scientific Research* 2020; 64(1): 134-139.

Research papers have been cited in Nature, Science, PNAS etc. (\approx 1000 citations)

Total Number of Research Publications: - Visit <https://bit.ly/2IM2Htu>