

## Curriculum Vitae

<b>Full Name:</b>	DR. NISHA SINGH			
<b>Designation:</b>	Assistant Professor & Ex- Head			
<b>Department:</b>	Biochemistry, School of Life Sciences			
<b>Campus:</b>	Birla Campus			
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<b>Education Qualification:</b>	PhD (Biochemistry) from BHU ( <i>Institution of Eminence</i> ).			
<b>Teaching Experience:</b>	> 10 Years	<b>Research Experience:</b>	>14 Years	
<b>Research Interest and Fields of Specialization</b>				
1. Immunology 2. Leishmaniasis 3. Biogeochemistry				
<b>Honours &amp; Awards:</b>				
1. Invited as ' <b>Life Science Expert</b> ' by The Swedish Institute, Government of Sweden.				
2. <b>ICMR Award for Biomedical Research</b> by ICMR, Govt. of India.				
3. <b>A. Krishnamurthy Award</b> from SBC (I), IISc. Bangalore.				
5. Invited as <b>Resource Person</b> for SERB sponsored Workshop at BHU.				
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 (Category- Medical Sciences).				
<b>Member of Academic Institutions:</b>				
1. External Expert of Ph.D. Program at Department of Bioscience & Biotechnology, Banasthali Vidyapith, Rajasthan.				
<b>Membership of Scientific Organizations –</b>				
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				
<b>Research Supervision (No. of Ph.D. Degree Awarded/Submitted/Registered):</b>				
1. <b>Ph.D.</b> - 1 [Ms. Anjali Gusain (pursuing)]				
2. <b>M.Sc. Dissertation (Awarded)</b> - 23				
<b>Research Projects/ MoU undertaken:</b>				
1. UGC-BSR Research Project. (Duration: 2015-17)				
<b>Administrative Experience:</b>				
At H.N.B. Garhwal University (A Central University):				
1. Head, Department of Biochemistry (2019-21)..				
2. Member, IQAC Task Group. (2022)				
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. Member, Board of Studies (BOS), Department of Biochemistry.				
8. Director, Journal Club, Department of Biochemistry (January, 2021).				

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

**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, Mishra AK, Patra S, Mariappan S, **Singh N**. Near-saturated soil hydraulic conductivity and pore characteristics as influenced by conventional and conservation tillage practices in North-West Himalayan region, India. *International Soil and Water Conservation Research* 2021; 9(2): 249-259. (**IF - 7.48**)
3. 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**).
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**. 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**).

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

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