

Dr. Deepak Sharma

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Lab-website: <https://compbio.iitr.ac.in>

AREA OF SPECIALIZATION

Computational Biology, Translational Bioinformatics, Medical Informatics

CAREER PROFILE

| | |
|--------------------|---|
| Oct'23 - Till date | Associate Professor Department of Biosciences and Bioengineering, IIT Roorkee (IIT-R), India |
| Dec'14 - Oct'23 | Assistant Professor Department of Biosciences and Bioengineering, IIT Roorkee (IIT-R), India |
| July'11 - Dec'14 | Research Scientist C Translational Health Science and Technology Institute (THSTI), India |
| May'12 - July'12 | Visiting Faculty Center for Bioinformatics & Computational Biology, University of Maryland, USA |
| July'08 - June'11 | INSA Young Scientist National Institute of Immunology (NII), New Delhi, India |
| July'06 - June'08 | DBT-Postdoctoral Fellow (Bioinformatics) National Institute of Immunology (NII), New Delhi, India |

ACADEMIC CREDENTIALS

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|------|---|
| 2006 | Ph.D. (Biotechnology) All India Institute of Medical Sciences (AIIMS), New Delhi, India |
| 2000 | Master of Biotechnology All India Institute of Medical Sciences (AIIMS), New Delhi, India |
| 1998 | B.Sc.(Hons.) Human Biology (Specialization in Biochemistry) All India Institute of Medical Sciences (AIIMS), New Delhi, India |

SELECTED PUBLICATIONS

[*corresponding author]

1. Singh K, Maurya H, Singh P, Panda P, Behera AK, Jamal A, Eslavath G, Mohapatra S, Chauhan H and **Sharma D*** (2023) DISPEL: database for ascertaining the best medicinal plants to cure human diseases. *Database (Oxford)*, in press.
2. Sharma S, Soni S, Kaushik S, Kalavani M, Dadhwal V, Sharma KA and **Sharma D*** (2023) SwasthGarbh: A smartphone App for improving the quality of antenatal care and ameliorating maternal-fetal health. *IEEE J Biomed Health Inform*, 27, 2729-2738.
3. Malik S, Sadhu S, Elesela S, Pandey RP, Chawla AS, **Sharma D**, Panda L, Rathore D, Ghosh B, Ahuja V, Awasthi A (2017) Transcription factor Foxo1 is essential for IL-9 induction in T helper cells. *Nat Commun*, 8, 815.
4. **Sharma D***, Priyadarshini P and Vрати S (2015) Unraveling the web of viroinformatics: computational tools and databases in virus research. *J Virol*, 89, 1489-1501.

5. Chauhan S, **Sharma D**, Singh A, Surolia A and Tyagi JS (2011) Comprehensive insights into *Mycobacterium tuberculosis* DevR (DosR) regulon activation switch. *Nucleic Acids Res*, 39, 7400-7414.
6. **Sharma D***, Mohanty D and Surolia A (2009) RegAnalyst: a web interface for the analysis of regulatory motifs, networks and pathways. *Nucleic Acids Res*, 37, W193-W201.
7. **Sharma D**, Issac B, Raghava GPS and Ramaswamy R (2004) Spectral Repeat Finder (SRF): identification of repetitive sequences using Fourier transformation. *Bioinformatics*, 20, 1405-1412.
8. Tyagi JS and **Sharma D** (2002) *Mycobacterium smegmatis* and tuberculosis. *Trends Microbiol*, 10, 68-69.

AWARDS AND RECOGNITIONS

- Selected as **Future Global Leader** by Japan Science and Technology Agency in 2017.
- Conferred **Haryana Yuva Vigyan Ratna Award 2013-14** in May 2017.
- Founding member of INYAS (Indian National Young Academy of Science), 2015 - 2019.
- **INSA Medal for Young Scientist - 2008.**
- **All India 1st rank** in Ph.D. (Biotechnology) entrance examination (2001) conducted by AIIMS, New Delhi.
- **All India 5th rank** in M. Biotechnology entrance examination (1998) conducted by AIIMS, New Delhi.
- **All India 2nd rank** in M.Sc.-Ph.D. combined entrance examination (1998) conducted by Dr. B.R. Ambedkar Center for Biomedical Research (ACBR), Delhi University, New Delhi.