

Dr. Manoj Kumar Singh

Present Position: HoD and Associate Professor
Department of Biotechnology, SOLB

Coordinator: Adamas Biotechnology Club

Address:

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Education:

- Ph.D. (Life Sciences) from CSIR-IICB, Kolkata under Jadavpur University
- M.Sc. in Biotechnology, The University Of Burdwan, 1st Division
- B.Sc. in Zoology (Honours) Vinoba Bhave University, Hazaribag, Jharkhand
- 10+2 Kendriya Vidyalaya Chittaranjan, WB, 1st Division (College Topper)

Research Key interests/areas:

- Immunology
- Infectious diseases
- Host pathogen interaction
- Natural product biology
- Bioethics
- Environmental Biology

HIGHLIGHTS:

1. Mentor of the Winner of Smart India Hackathon 2023 with cash prize of Rs. 1.00 lakh (the Smart India Hackathon 2023 is often referred to as the world's largest hackathon, had a reported participation of around 40,000 teams).
2. Mentor of the Winner, Kickstart 3.0, 2024 at IIT Guwahati, Assam,
3. Got a Fund of Rupees 3.5 lakh from YUKTI Innovation Challenge 2023. The YUKTI – National Innovation Repository (NIR) is an initiative by the Ministry of Education (MoE), Government of India, implemented through MoE's Innovation Cell and AICTE.
4. START-UP, BIOAKSHAR PVT LTD, under process
5. Publications 20

Experience:

- **HoD Biotechnology January 2023 onwards**
 - Associate Professor (Department of Biotechnology) Adamas University, Kolkata, (2021-till date)
 - Assistant Professor (Department of Biotechnology) Adamas University, Kolkata, (2016-2021)
 - Coordinator (Placement, Admission) Adamas university, Kolkata
 - Post-Doctoral Research Associate in CSIR project, University of Kalyani, India (2015)
 - CSIR-Senior Research Fellow, CSIR-IICB, Kolkata, India (2009-2011)
 - Senior Research Fellow, CSIR-IICB, Kolkata, India (2008-2009)
 - Junior Research Fellow, CSIR-IICB, Kolkata, India (2007-2008)
 - Project, CSIR-IICB, Kolkata, India (2006-2007)

Research Projects:

1. Adamas University Grant-in-Aid SEED Fund Research project titled “3D printed Micro Waste- Composter for Smart Home Gardening”2021.
2. Adamas University Grant-in-Aid for SEED Fund Research project (ARISE Students’ Project Category) titled “UV enabled sanitization in hospital toilet” 2021.
3. Funding under Category I from IIT Kharagpur Research Park Foundation for the project on “Smart Automated Indoor Gardening System: An affordable urban solution to Organic food”.

Award/ Academic Recognition/ Major Professional Activity:

- Journal Editorial Board Member, Frontiers Pharmacology
- Professional body Life membership
 1. The Biotech Research Society, India
- 1st Prize in National Level “Young Entrepreneurs Summit PUNE, 2021” (conceptualized and mentored this project as faculty Advisor, Adamas Biotechnology Club)
- 2nd Prize in National Level “Young Entrepreneurs Summit PUNE, 2021” (conceptualized and mentored this project as faculty Advisor, Adamas Biotechnology Club)
- 2nd runner up in in National Level “Young Entrepreneurs Summit PUNE, 2020” (conceptualized and mentored this project as faculty Advisor, Adamas Biotechnology Club)
- Awarded CSIR-SRF Fellowship,2009
- Qualified for the prestigious GATE (Graduate Aptitude Test for Engineers) examination in Life Sciences. 2007.
- Poster titled “Protective efficacy of Leishmanial glycolipids against visceral leishmaniasis” was selected as **the “Best Poster”** Presented in the **75th annual meeting of Society Of Biological Chemists (India) at J.N.U. New Delhi, 2006.**
- **Best Student** Award in B.Sc., 2003
- Kaushailya Devi’s Memorial Award for delivering **excellent talk in B.Sc. Seminar Series,2003**
- Completed **FACSOrient course conducted by BD Biosciences**, India from 5th to 7th August, 2015 at BD-JH FACS Academy, Jamia Hamdard University, New Delhi.
- Attended more than ten national and International Seminars/symposia