


	Title	First Name	Last Name	Photograph	
Name		Nitya	Rai		
Designation	Asst. Professor				
Educational Qualification	M.Sc (NET)				
Date of Joining	01.07.2014				
Department	Microbiology				
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Teaching Experiences (Present & Previous)	<ul style="list-style-type: none"> • Worked as a Biology teacher at St. Philomena's Girls High School Kalimpong. • Currently serving as an Asst. Professor at Department of Microbiology, North Bengal St. Xavier's College since 01.07.14. 				
Research Interests	Antimicrobials, Nanobiotechnology, Medical and Immunology.				
Research Guidance (PhD)	Enrolled for PhD in the Department of Biotechnology, University of North Bengal since 2021 under the supervision of Dr. Manab Deb Adhikary and Dr. Bipranch Kumar Tiwary				

<p>Professional Achievement</p>	<ul style="list-style-type: none"> • Has handled the post of Head of the Department of Microbiology from 2014-2017 • Presently, the Dean of Students since July 2020. • Former CTO of NCC Girls' battalion at the college
<p>ADMINISTRATIVE RESPONSIBILITIES</p>	<ul style="list-style-type: none"> • Dean of Students • Member of IQAC, Grievance and Redressal Cell, Games and Sports Committee, Cultural Committee

PUBLICATIONS	
<p><i>Book Chapter's in Edited Volume</i></p>	<p>2022: Bipranch Kumar Tiwary and Nitya Rai. "Oligotrophs: microbes at low nutrient levels" in Extremophiles: Diversity, Adaptation and Applications. Bentham Science Publishers Pte. Ltd Singapore. ISBN (Print): 978-981-5080-36-0</p> <p>2022: Manab Deb Adhikari, Nitya Rai and Bipranch Kumar Tiwary. "Natural Quorum Sensing Inhibitors: Potent Weapon to Control Bacterial Infections" in Recent Trends and the future of Antimicrobial Agents. Bentham Science Publishers Pte. Ltd Singapore. ISBN (Print): 978-981-5079-61-6</p>

PAPER PRESENTED IN SEMINARS/CONFERENCES	
International Conference	Presented poster titled “ Anti-quorum activity of biogenic silver nanoparticles synthesized from <i>Berginia ciliata</i> leaf extract ” at 64th Annual International Conference of Association of Microbiologists of India - 2023 from 1 to 3rd December at Bundelkhand University Jhansi UP on Microbes for LiFE (Lifestyle for the Environment) : A strategy for well being
National	Presented poster titled "Production of biopigments by <i>Monascus purpureus</i> MTCC 369, MTCC 410 and <i>M. ruber</i> 2326 by solid-substrate fermentation using Mosambi peel, an agro-industrial waste" in National seminar entitled Micro and Macro resources in Biomolecular Technology organized by Departments of Biotechnology and Microbiology, University of North Bengal, February 25-26, 2013.
SEMINARS AND WORKSHOPS ATTENDED	
	<ul style="list-style-type: none"> • Attended UGC sponsored seminar entitled Emerging Trends in Microbiology organised by Department of Microbiology, North Bengal University, March 16, 2012. • Attended 22nd West Bengal State Science and Technology Congress 2015 organised by Department of Science and Technology, Govt. of West Bengal; West Bengal State Council Of Science and Technology and University of North Bengal, February 28 & March 1. • Organised a three-day workshop on "Advanced Technique in Microbiology for Under graduate students" held on Department of Microbiology, University of North Bengal, 16-18th March, 2016
MEMBERSHIP OF PROFESSIONAL AND ACADEMIC BODIES	
	<ul style="list-style-type: none"> • Lifetime member of Microbiologists Society of India (MBSI)