


Name	DR. BIPRANSH KUMAR TIWARY		
Designation	ASSISTANT PROFESSOR		
Educational Qualification	Ph. D, M. Sc. (Microbiology)		
Date of Joining	01.07.2016		
Department	MICROBIOLOGY		
Phone Numbers	8670725693	PAN	AYFPT3463M
Office		Cell Phone	8670725693
Email	bipra.tiwary@gmail.com		
Fax			
Teaching Experiences (Present & Previous)	4 years		
Research Interests	Medical Microbiology, Molecular Biology, Computer-Aided Drug Design, Quorum Sensing		
Professional Achievement	<ul style="list-style-type: none"> MEMBER OF THE BOARD OF STUDIES UNDERGRADUATE COUNCIL IN MICROBIOLOGY (SECOND TERM) 		
ADMINISTRATIVE RESPONSIBILITIES	<ul style="list-style-type: none"> HEAD OF THE DEPARTMENT 		
SELECT PUBLICATIONS	<p><i>Some Major Research Articles In Journals</i></p> <ol style="list-style-type: none"> Bipransh Kumar Tiwary, Runu Ghosh, Saurav Moktan, Vivek Kumar Ranjan, Priyankar Dey, Dibakar Choudhury, Somit Dutta, Dipanwita Deb, Abhaya Prasad Das and Ranadhir Chakraborty. (2017) Prospective bacterial quorum sensing inhibitors from Indian medicinal Plant extracts. Letters in Applied Microbiology. 65, 2-10. Bipransh Kumar Tiwary, Somit Dutta, Priyankar Dey, Mossaraf Hossain, Anoop Kumar, Sony Bihani, Ashis Kumar Nanda, Tapas Kumar Chaudhuri and Ranadhir Chakraborty. (2017). Radical Scavenging Activities of Lagerstroemia speciosa (L.) Pers. Petal Extracts and its hepatoprotection in CCl₄-intoxicated mice. BMC Complementary and Alternative Medicine, 17:55 		

3. Biprانش Kumar Tiwary, Arvind Kumar, Ravikant Pathak, Nistha Pandey, Krishnakant Yadav, Ranadhir Chakraborty (2016). The locus *pgaABCD* of *Acinetobacter junii* putatively responsible for poly- β -(1,6)-*N*-acetylglucosamine biosynthesis might be related to biofilm formation: A Computational analysis. *Advance in Microbiology*, Vol.6 No.3.
4. Kiran Pradhan, Biprانش Kumar Tiwary, Mossaraf Hossain, Ranadhir Chakraborty and Ashis Kumar Nanda (2016). A mechanistic study of carbonyl activation under solvent-free conditions: evidence drawn from the synthesis of imidazoles, *RSC Advance*, 6, 10743-10749.
5. Biprانش Kumar Tiwary, Kiran Pradhan, Ashis Kumar Nanda, Ranadhir Chakraborty. (2016). Implication of Quinazoline-4-(3H)-ones in medicinal chemistry: A Brief review. *Journal of Chemical Biology and Therapeutics*, 1:1
6. K.B. Benzon, Hema T. Varghese, C.Y. Panicker, Kiran Pradhan, Biprانش Kumar Tiwary, Ashis Kumar Nanda, C. Van Alsenoy (2015) Spectroscopic and theoretical characterization of 2-(4-methoxyphenyl)-4,5-dimethyl-1H-imidazole 3-oxide, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 151, 965–979.
7. K.B. Benzon, Hema T. Varghese, C.Y. Panicker, Kiran Pradhan, Biprانش Kumar Tiwary, Ashis Kumar Nanda, C. Van Alsenoy (2015) Spectroscopic investigation (FT-IR and FT-Raman), vibrational assignments, HOMOLUMO, NBO, MEP analysis and molecular docking study of 2-(4-hydroxyphenyl)-4,5-dimethyl-1H-imidazole 3-oxide, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 146; 307–322.
8. Biprانش Kumar Tiwary, Sony Bihani, Anoop Kumar, Ranadhir Chakraborty, Runu Ghosh (2015) The in vitro cytotoxic activity of ethno-pharmacological important plants of Darjeeling district of West Bengal against different human cancer cell lines. *BMC Complementary and Alternative Medicine*, 15:22.
9. Arvind Kumar, Biprانش Kumar Tiwary, Sangita Kachhap, Ashis Kumar Nanda, Ranadhir Chakraborty (2015) An *Escherichia coli* strain, PGB01, isolated from feral Pigeon

	<p>faeces, thermally fit to survive in pigeon, shows high level resistance to trimethoprim. <i>PLoS ONE</i> 10(3): e0119329. doi:10.1371/journal.pone.0119329</p> <p>10. Runu Ghosh, Bipranch Kumar Tiwary, Anoop Kumar, Ranadhir Chakraborty (2014). Guava Leaf Extract Inhibits Quorum-Sensing and Chromobacterium violaceum Induced Lysis of Human Hepatoma Cells: Whole Transcriptome Analysis Reveals Differential Gene Expression, <i>PLoS ONE</i> 9(9): e107703. doi:10.1371/journal.pone.0107703</p> <p>11. Bipranch Kumar Tiwary, Anil Kumar, Ashis Kumar Nanda, Ranadhir Chakraborty (2014). A Study on Optimization of Marigold Petal Yield, Pure Lutein, and Formulation of Free-Flowing Lutein Esters, <i>Journal of Crop Science and Biotechnology</i> 17 (3) : 175 ~ 181</p> <p>12. Bipranch Kumar Tiwary, Ravindra Kailasrao Zirmire, Kiran pradhan, Ashis Kumar Nanda, Ranadhir Chakraborty (2014) Preparation and Spectroscopic Characterization of Inclusion Complex of 2-phenyl-4h-benzo[d][1,3]oxazin-4-one and β-Cyclodextrin. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i>, Vol 6, Issue 3, 176-179.</p> <p>13. Bipranch Kumar Tiwary, Ravi Kant Pathak, Kiran Pradhan, Ashis Kumar Nanda, Asim Kumar Bothra, Ranadhir Chakraborty (2014). Evaluation of Drug Candidature of some Quinazoline- 4-(3h)-ones as Inhibitor of Human Dihydrofolate Reductase enzyme: Molecular Docking and <i>In Silico</i> Studies. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i>, Vol 6 suppl 2, , 393-400.</p> <p>14. Ranadhir Chakraborty, Arvind Kumar, Suparna Saha Bhowal, Amit Kumar Mandal, Bipranch Kumar Tiwary, Shriparna Mukherjee (2013). Diverse Gene Cassettes in Class 1 Integrons of Facultative Oligotrophic Bacteria of River Mahananda, West Bengal, India, <i>PLoS ONE</i> 8(8): e71753. doi:10.1371/journal.pone.0071753.</p>
<p>Select Chapter's in Edited Volume</p>	<p>1. Bipranch Kumar Tiwary, Sawgata Nag, Manab Deb Adhikari, Bacillus thuringensis based biopesticides: An overview, <i>Microbes, Environment and Human Welfare</i>, Nova Science, USA, ISBN- 978-1-53617-945-3, Page no- 275-296.</p>

	<ol style="list-style-type: none"> 2. Manab Deb Adhikari, Bipranch Kumar Tiwary, Quorum Quenchers: Next Generation Antibacterials; Microbes, Environment and Human Welfare, Nova Science, USA, ISBN- 978-1-53617-945-3, Page no- 113- 140. 3. Bipranch Kumar Tiwary, Kiran Pradhan, Ashis Kumar Nanda, Asim Kumar Bothra, Ranadhir Chakraborty. “Basics of Computer-aided Drug-design “Biotechnology for people” ISBN- 978-93-80663-86-9, page no-151-167, Published by- P.D. Women’s College and Levant Books. 4. Ranadhir Chakraborty, Arvind Kumar, Shriparna Mukherjee, Suparna Saha Bhowal, Amit K Mandal, Bipranch Kumar Tiwary. Oligotrophic Bacteria of River Mahananda: Spanking Reservoir of Integron-Borne Gene Cassettes Coding for Diverse Proteins Including Antibiotic-Resistance. “Biotechnology for people” ISBN- 978-93-80663-86-9, page no-50-59, Published by- P.D. Women’s College and Levant Books
<p>Book Monograph/ Edited Book</p>	<p><u>BOOKS EDITED</u></p> <ul style="list-style-type: none"> • <i>Microbes, Environment and Human Welfare (Edited)</i>, Nova Science, USA (2020). ISBN- 978-1-53617-945-3.
<p>Project</p>	<p>Title of the Research Project : <i>Identification, isolation and bio-evaluation of natural bio-active anticancer compound from leaves of Masea macrophylla plant of Darjeeling district</i> Ref. no- 2020-2301 Co- Investigator Technically approved by ICMR</p>
<p>PAPER PRESENTED IN SEMINARS/ CONFERENCES</p>	<ol style="list-style-type: none"> 1. A new potential motif for supramolecular assembly: 2-substituted benzo[d] [1,3] oxazine-4-ones and study of their effect on antibacterial activity. Bipranch Kumar Tiwary, Kiran Pradhan, Mossaraf Hossain, Ranadhir Chakraborty, Ashis Kumar Nanda. The 5th Asian Conference on Colloid and Interface Science, held on November 20-23, 2013 at North Bengal University. 2. Inhibition of recombinant human DHFR activity in presence of 3-([4-Dimethylaminophenyl) methylene]amino)-2-phenylquinazolin-4(3H)-one and characterization of dimerization property of the inhibitor Bipranch Kumar Tiwary,

Kiran Pradhan, Ashis Kumar Nanda and Ranadhir Chakraborty. *World Congress on Biotechnology: Organized by OMICS group USA*. held at HICC, Hyderabad, March 21-23, 2011

3. Optimizing Petal yield and Process Standardization of Extraction, Purification, and precise Estimation of Marigold Lutein and Lutein Esters Bipranch Kumar Tiwary , Ashis Kumar Nanda and Ranadhir Chakraborty. *International Symposium on System Intensification Towards food and Environmental Security*): held at Bidhan Chandra Krishi Vishwavidyalya, Kalyani, February 24-27, 2011
4. Discovery of 2-Substituted benzo[d] [1, 3] oxazin-4-ones – as potential new motif for supramolecular assembly and study of the impact of self-assembled dimer on antibacterial activity Bipranch Kumar Tiwary, Kiran Pradhan, Subarna Ganguly, Ranadhir Chakraborty, Swapan Kumar Saha and Ashis Kumar Nanda. *International Symposium on facets of weak interactions in chemistry*: held at University of Calcutta, Kolkata, January 13-15,2011.
5. Screening of certain medicinal plants from the hill and plain area of Darjeeling district for their anti-quorum sensing activity using *Chromobacterium violaceum*. Dipanwita Deb, Bipranch Kumar Tiwary, Saurav Moktan, Dibakar Choudhury, Abhay Prasad Das, Ranadhir Chakraborty and Runu Ghosh. *National Seminar on Micro and Macro resources in Biomolecular Technology*, held at University of North Bengal, Darjeeling, February 25-26, 2013
6. Screening of certain medicinal plants from the hill and plain area of Darjeeling district for their anti-quorum sensing activity using *Chromobacterium violaceum*. Dipanwita Deb, Bipranch Kumar Tiwary, Saurav Moktan, Dibakar Choudhury, Abhay Prasad Das, Ranadhir Chakraborty and Runu Ghosh. *National Seminar on Micro and Macro resources in Biomolecular Technology*, held at University of North Bengal, Darjeeling, February 25-26, 2013.
7. Molecule to Drug: A basic theoretical approach Bipranch Kumar Tiwary, Ashis Kumar Nanda, Asim Kumar Bothra and Ranadhir Chakraborty *National seminar on Biotechnology for people: Application and Awareness; held at PD Womens College,*

	<p style="text-align: center;"><i>Jalpaiguri on 4th & 5th December, 2012</i></p> <p>8. Molecular docking of of Synthesized 3-(Arylideneamino)-2-phenylquinazoline-4(3H)-ones as putative human dihydrofolate reductase inhibitor. Bipranch Kumar Tiwary, Kiran Pradhan, Ashis Kumar Nanda, Asim Kumar Bothra and Ranadhir Chakraborty <i>National Conference on Biology and Bioinformatics of Economically Important Plants and Microbes:</i> held at University of North Bengal, Darjeeling, on February 17-19, 2012.</p> <p>9. In Quest of causes for virtual catalytic effects (carbonyl activation) in solventfree multi-component reaction Ashis Kumar Nanda, Kiran Pradhan, Bipranch Kumar Tiwary ,Ranadhir Chakraborty and Sajal Das. <i>National Seminar on Frontiers in Chemistry 2011 & Celebration of the International Year of Chemistry 2011:</i> held at University of North Bengal, Darjeeling, March 14- 16, 2011</p>
<p>RESOURCE PERSONSHIP / KEYNOTE ADDRESS IN SEMINARS/ WORKSHOPS</p>	<ul style="list-style-type: none"> • 2019: Participated as a Resource Person and delivered a Talk entitled in National Seminar on “Career Opportunities in Life Science with special emphasis to Biotechnology” and One Day Workshop on “Basic Training in Modern Biology” held on 30th - 31st March 2019, organized by Department of Biotechnology, Patna University, Patna, delivered lectures on (1) Career Opportunities in Biotechnology and (ii) Modern techniques in Microbiology.