Name:	TAMALIKA CHAKRABORTY
Photograph:	
Experience:	9 YEARS
Awards and Recognition:	**2019:** 1. Appreciation Award for making New Forays in the area of Research and Development by JIS GROUP OCT 2019. 2. Certificate of Appreciation in Teacher Innovation Award, Zero investment innovations for education Initiatives Sri Aurobindo Society New Delhi, Sept 2019 **2018:** One of the finalists of SMART TEACHER AWARD 2018 organized by JIS GROUP. **2017:** 1. Achieved best speaker award of Kolkata Health Care Summit-2017 Organized by Raytheon Health Care 2. Achieved first prize in Poster Presentation held in the 2nd International World Earth Conference, organized by World Science Congress **2014**: Achieved Dr. Manjushree Pal Memorial Award for

	Best Poster Presentation in National Seminar "Opportunities in Medicinal Plant Research" Ist Convention: SFE INDIA) **2013:** Achieved award for best Report among the participants in AICTE sponsored QIP Refresher course on the theme " Direction of Pharm Research to achieve Pharma excellence by 2025" organized by QIP NODAL CELL JADAVPUR UNIVERSITY)
Papers published:	**2020:** 1.Ranjana Shaw, **Tamalika Chakraborty**, "Magnetic microsphere as novel drug delivery system": A Review, "International Journal of Advanced Research" Vol 8 (4), 150-159, April 2020. 2. Neeldeep Ganguly, **Tamalika Chakraborty**, "Establishment of Zebrafish model for screening of various drugs associated with neurological disorder and introduction to Chronotherapeutics": A Review, International Journal of Multidisciplinary Reserch Vol 9(5),45-54, May 2020. 3. Camelia Roy, **Tamalika Chakraborty**, "A Review on Translational Perspective and efficacy of different engineered therapeutic antibodies" International Journal of Pharmaceutical Science and Research, Vol 11(6), 2604-2616, June 2020. 4. Ranjana, Shaw, **Tamalika Chakraborty**, "Incidence of COVID -19 in diabetic patients and its valid intervention: A Review", International Journal of Multidisciplinary Research.

	2019: **1.** Reshmi Chowdhury, **Tamalika Chakraborty**, " A Quest for better probiotic delivery and frontiers of Probiotic Application in medical science" A Critical Review, International Journal of Pharmaceutical Science and Research, Vol 10(9), 3993-4005, Sep 2019 **2.** Dr. Sabnam Zahir, Dr. Tamal Kanti Pal, Dr. Abhijit Sengupta, Dr. Shibendu Biswas, Dr. Debarshi Jana, Dr. Shyamal Bar, **Tamalika Chakraborty** and Dr. Vamshi Krishna Balla, "Creation and Evaluation of Microbial Biofilm induced microscopic enamel demineralization-An Invitro Study" International Journal of current Research, Vol 11, Issue 01, pp 618-622, January 2019 **2018**: **1.** Sumon Das, **Tamalika Chakraborty**," A review on Green synthesis of Silver Nanoparticles and zinc oxide nanoparticles from different plant extract and their antibacterial activity against multi-drug resistant bacteria"Journal of Innovation in Pharmaceutical and Biological Sciences Vol 5 (4), 63-73, 2018 **2017**: **1.** Nabodita Sinha, **Tamalika Chakraborty**, Abhijit Sengupta, "Synthesis of Silver nanoparticles using green sources and comparative analysis" *International Journal of Nanoparticles,* Vol.9, No 4, 265-286, 2017
Conference Proceedings:	2020: 1. **Tamalika Chakraborty**, Zebra fish Model: A new approach towards research in Autism Spectrum of

	Disorder, Sammilit 2020, 10th to 12th January 2020 **2.** Sayoni Jana, **Tamalika Chakraborty**, Genome analysis in the treatment of neuro developmental disorder, International Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur University **3.** Sohini Sinha, **Tamalika Chakraborty**, Recent advancement of drug delivery system for drug resistant cancer, International Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur University **4.** Sharmishtha Bhandari, **Tamalika Chakraborty**, Formation of Dental Enamel and Implication Of Oral Health and Disease.International Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur University **5.** Shagufa Sheikh, **Tamalika Chakraborty**, Review on Antibacterial Peptides Isolated from Marine Archaebacteria and their characterisation.International Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur University **6.** Rimita Roy, **Tamalika Chakraborty**, Origin & Proliferation of Multiple Drug Resistant Microorganisms.International Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur

	University **7.** Swarupa Dey, **Tamalika Chakraborty,** Prospect of plastic eating bacteria in efficient bioremediation process.International Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur University 8. Aheli Mukherjee, Tamalika Chakraborty, Recent Progress on Nanoparticle based Drug Delivery Systems for Cancer Treatment.International Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur University 9. Manjarima Ganguly, **Tamalika Chakraborty**, Gene Therapy in Cardiovascular DiseaseInternational Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur University 10. Md Afridi Faisal, **Tamalika Chakraborty**, Stem cell therapy for neuro developmental disorders International Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur University 11. Chanda Malakar, **Tamalika Chakraborty**, Application of CRISPR/CAS9 FOR CANCER THERAPY International Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur University 12. Ramandeep Kaur, **Tamalika Chakraborty**, Recent Advancement in GENE THERAPY for the treatment of cancer International Conference on Present Scenario of Bioavailability & Bioequivalence Studies

	& its Regular Affairs, 12th Feb 2020, Jadavpur University 13. Moumita Das, **Tamalika Chakraborty**, Plant Diseases Management Facilitate by modern technology International Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur University 14. Anjali Singh, **Tamalika Chakraborty**, Enhance delivery of DNA based vaccines and immunotherapeutic International Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur University 15. Olivia Paul, **Tamalika Chakraborty**, Drug targeting to infectious diseases by nanoparticles unotherapeutic International Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur University 16. Monali Saha, **Tamalika Chakraborty**, Review on Antibacterial soap preparation by using probiotic bacteria, International Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur University 17. Rishyani Mukherjee, **Tamalika Chakraborty**, Review on the survey of anti-dandruff activity of herbal zinc oxide nanoparticle, International Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur University 18. Neeldip Ganguly, **Tamalika Chakraborty**, Review

	of zebrafish model as a robust tool for screening of drugs with anti-psycotic activity. International Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur University 19. Nilanjan Ray, **Tamalika Chakraborty**, Different Approaches to increase the rate of Biodiversity in Drought Facilitated area using Genetic Methodologies.27th West Bengal State Science and Technology Congress 2020, 28th -29th Feb 2020. 20. Nilanjan Ray, **Tamalika Chakraborty**, Review on different approaches to increase biodiversity using genetic technologies. STEM 2020, 5th Feb 2020 21. Debomitra Basu, **Tamalika Chakraborty**,Recent Advancement in Biomimetic nano-system in the treatment and diagnosis of tumor, International Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur University 22. Megha Poddar, **Tamalika Chakraborty**,Review on application of NAC transcription factor , International Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur University 23. Rushi Parmar,**Tamalika Chakraborty**,Review on impact of Genetically Modified Food on Human Health, International Conference on Present Scenario of Bioavailability & Bioequivalence Studies & its Regular Affairs, 12th Feb 2020, Jadavpur University

	2019 1. Rumela mete, **Tamalika Chakraborty**, "Review on the Advancement of the design of Microbial fuel cell (MFC)" Pharma Techoies Need Transformation, IPGA Bengal Branch & IPGA Welfare Trust.17th August 2019. 2. Sudeshna Chattopadhyay, **Tamalika Chakraborty,** " Review on Therapeutic Application of Monoclonal Antibody and Antibody Engineering in Cancer Treatment")" Pharma Techoies Need Transformation, IPGA Bengal Branch & IPGA Welfare Trust.17th August 2019. 3. : Ananya Das, **Tamalika Chakraborty**, Nanoparticles: A New Era Approach for Food Preservation Pharma Techies Need Transformation, IPGA Bengal Branch & IPGA Welfare Trust.17th August 2019. 4. Ananya Das, **Tamalika Chakraborty**, Recent Advancement in Implication of Nanoparticles in Preservation of Food, 9th International Science Conference (World Science Congress) 28th -29th February, 2019 **5**. Dalia Banerjee, **Tamalika Chakraborty**, Phage Therapy; battle against multi drug resistant bacteria: goes on Pharma Techies Need Transformation, IPGA Bengal Branch & IPGA Welfare Trust.17th August 2019. **6.** Dalia Banerjee, **Tamalika Chakraborty**, Isolation of Indole Acetic acid Producing Bacteria From Rhizospheric soil and its effect on plant

	growth, 9th International Science Conference (World Science Congress), 28th -29th February, 2019 7. Sudeshna Chattopadhyay**,** **Tamalika Chakraborty**, Plant Derived Silver Nano; a weapon against phytopathogenic fungi, 9th International Science Conference (World Science Congress): 28th -29th February, 2019. 8. Sujoy Sarkar, **Tamalika Chakraborty**, Isolation, Characterization of Rhizobium and Mesorhizobium of pea (*Pisum sativum*) and Brownchickpea (*Cicer arietinum*) and stress response and Biofertilizer production. 9.Sujoy Sarkar, **Tamalika Chakraborty**, Isolation, Characterization of Rhizobium and Mesorhizobium associated with Pisum sativum L. Pea and Cicer aeritinium L. Chick pea and their stress response to heavy metals and high salt concentration. Conference on Drug Design and Technology, Royal Society of Chemistry. 10. Kanchan Chetri, **Tamalika Chakraborty**, Isolation of Multi Drug Resistant Bacteria, and Determination of Antibacterial Activity of *Terminalia chebula* against *Staphylococus aureus*, Pharma Techies Need Transformation, IPGA Bengal Branch & IPGA Welfare Trust.17th August 2019. 11. Nilanjan Ray, **Tamalika Chakraborty**,

	Different Approaches to increase the rate of Biodiversity in Drought Facilitated area using Genetic Methodologies, 4th Regional Science and Technology Congress, 23rd -24th Dec 2019 12. Ipshita Choudhury, **Tamalika Chakraborty**, Review on Phage Therapy on Multi Drug Resistant Tuberculosis National seminar on Pharmacy and health care, Traditional Knowledge to Modern Techniques. 14th September 2019 13. Koyena Majumder, **Tamalika Chakraborty**, Review on the manufacturing of artificial human prions to cure brain disorders. National seminar on Pharmacy and health care, Traditional Knowledge to Modern Techniques 14. Sudeshna Datta, **Tamalika Chakraborty,** Review on the impact of Nanotechnology in overcoming multi drug resistance National seminar on Pharmacy and health care, Traditional Knowledge to Modern Techniques, 14th September 2019. 15. Shreya Saha, **Tamalika Chakraborty**, Review on emerging technologies of nonmaterials to enhance water security, National seminar on Pharmacy and health care, Traditional Knowledge to Modern Techniques, 14th September 2019 16. Dona Roy**, Tamalika Chakraborty,** Genome Editing Tool could Increase Cancer Risk, National seminar on Pharmacy and health care, Traditional Knowledge to Modern Techniques, 14th September 2019 17. Camellia Roy**, Tamalika Chakraborty**,

	National seminar on Pharmacy and health care, Traditional Knowledge to Modern Techniques, A Review on Translational Perspective of Different human derived cancer cell lines on different anticancer drugs., 14th September 2019. 18. Kanchan Chetri**, Tamalika Chakraborty**, Review on lectin activity against Human Immuno deficiency Virus National seminar on Pharmacy and health care, Traditional Knowledge to Modern Techniques, 14th September 2019. 19. Suman Das**, Tamalika Chakraborty,** Green synthesis of zinc oxide nanaoparticles and its anti bacterial activity against pathogenic bacteria. National seminar on Pharmacy and health care, Traditional Knowledge to Modern Techniques, 14th September 2019 20. Prajna Mukhopadhyay**, Tamalika Chakraborty**, Review on the utilization of Paneer Whey in cultured buttermilk, National seminar on Pharmacy and health care, Traditional Knowledge to Modern Techniques, 14th September 2019 21. Gargi Mosha**, Tamalika Chakraborty**, Review on comparative study on native TPA and Engineered TPA against Myocardial infaraction, National seminar on Pharmacy and health care, Traditional Knowledge to Modern Techniques, 14th September 2019 22. Debleena Seal**, Tamalika Chakraborty**, Isolation of bacteriocin from *Lactobacillus* sp and its antibacterial activity at different temperature, Science without boundaries, organized by Hiralal

	Mazumder Memorial College for Women, 29th January 2019. 23. Koyena Banerjee, **Tamalika Chakraborty**, Use of some chemicals and drugs in live ornamental fish transportation, Science without boundaries, organized by Hiralal Mazumder Memorial College for Women, 29th January 2019. 24. Purbashree Banerjee**, Tamalika Chakrborty**, Review on extraction of silver by Chemical and Microbiological Method, Science without boundaries, organized by Hiralal Mazumder Memorial College for Women, 29th January 2019 25. Shramana Sen**, Tamalika Chakraborty**, Recent Advancement in the application of Natural Pigment, Science without boundaries, organized by Hiralal Mazumder Memorial College for Women, 29th January 2019. 26. Sujoy Sarkar**, Tamalika Chakraborty**, Review on Isolation, Characterization of Rhizobia from Rhizosphere of Pea and Brown Cheak Pea and stress response in Rhizobia, Science without boundaries, organized by Hiralal Mazumder Memorial College for Women, 29th January 2019 **2018:** 1.**Tamalika Chakraborty**, Sumana Chatterjee, Lopamudra Datta, Abhijit Sengupta, Antimicrobial activity of Terminalia bellerica (Gaertn.)Roxb. Against Multi Drug Resistant *Staphylococcus aureus*, International Conference on Medical Ethics and Professionalism,NIER, 3rd November 2018 2. **Tamalika Chakraborty**, Sumana Chatterjee,

	Lopamudra Datta and Abhijit Sengupta, Antibacterial activity and chemical evaluation of *Terminalia bellerica* Roxb against Multi Drug Resistant *Staphylococcus aureus*, 8th International Science Conference, Jadavpur University, 21st to 23rd November 2018
	2017:
	1. Jeenatara Begum, **Tamalika Chakraborty**, Abhijit Sengupta, Review on recent advancement of current technologies for decolorisation of textile waste water: Perspective for Environmental Biotechnology, "2nd Conference on "World Earth Day"" 22.04.17-24.04.17, JADAVPUR UNIVERSITY.
	2. Production of Microbial Fuel cell: A Promising Technology for Bioenergy and Waste water Treatment" **Tamalika Chakraborty**, Arindam Ganguly , Jeenatara Begum, Abhijit Sengupta, 2nd World Earth Conference , World Science Congress. 22-24th April 2017
	3. Flavonoid and alkaloid enriched fractions of *Terminalia bellerica* (Gaertn.) Roxb as Antimicrobial agents against Multi Drug Resistant *Staphylococcus aureus*, **Tamalika Chakraborty,** Sumana Chatterjee, Lopamudra Datta, Abhijit Sengupta., National Symposium on Ashwagandha and Ethno pharmacology conclave. 9th-10th September 2017.
	4. " Antimicrobial activity of flavonoid enriched fractions from *Terminalia bellerica* against Multi Drug Resistant*Staphylococcus aureus,* **Tamalika Chakraborty,** Sumana Chatterjee, Lopamudra Datta, Abhijit Sengupta, World congress on Drug discovery and Development Summit 2017, 20th-22nd

	September 2017. 5. REVIEW ON PHYTOREMEDIATION OF EWASTE Indrila Mukherjee, Tamalika **Chakraborty**, Conservation of biodiversity and sustainable use of biological resources, Guru Nanak Institute of Pharmaceutical Science and Technology, 1st September 2017. 6. REVIEW ON VARIOUS MEDICINAL PLANTS WITH ANTI-TUMORIGENIC AND ANTI-LEUKEMIC PROPERTIES Reshmi Chowdhury, **Tamalika Chakraborty,** Conservation of biodiversity and sustainable use of biological resources, Guru Nanak Institute of Pharmaceutical Science and Technology, 1st September 2017. 7. REVIEW ON THE EXPRESSION OF SECONDARY METABOLITES FROM MEDICINAL PLANTS BY MICRO PROPAGATION. Sushmita Nandy, **Tamalika Chakraborty**. Conservation of biodiversity and sustainable use of biological resources, Guru Nanak Institute of Pharmaceutical Science and Technology, 1st September 2017. 8. MARINE VIRUSES DISCOVERED VIA METAGENOMICS; WHY WE NEED TO KNOW MORE. Renu Kumari Sha, **Tamalika Chakraborty,** Conservation of biodiversity and sustainable use of biological resources, Guru Nanak Institute of Pharmaceutical Science and Technology, 1st September 2017. 9. GREEN SYNTHESIS OF METALLICNANOPARTICLES AND ITS APPLICATIONS: A CRITICAL REVIEW Abhishek Chakraborty, **Tamalika Chakraborty,** Conservation of biodiversity and sustainable use of biological resources, Guru Nanak Institute of Pharmaceutical Science and Technology, 1st

	September 2017. 10. REVIEW ON ORGANIZATION OF CISACTING REGULATORY ELEMENTS IN OSMOTIC AND COLD-STRESSRESPONSIVE PROMOTERS: Simona Basack, **Tamalika Chakraborty,** Conservation of biodiversity and sustainable use of biological resources, Guru Nanak Institute of Pharmaceutical Science and Technology, 1st September 2017. 11. ADVANCED USE OF MOLECULAR TOOLS IN IDENTIFICATION AND ANALYSIS OF BIODIVERSITY Arijit Paul, **Tamalika Chakroborty,** Conservation of biodiversity and sustainable use of biological resources, Guru Nanak Institute of Pharmaceutical Science and Technology, 1st September 2017. 12. REVIEW ON THE ISOLATION AND IDENTIFICATION OF DYE-DEGRADING BACTERIA Adrija Bhattacharjee, **Tamalika Chakraborty**, Conservation of biodiversity and sustainable use of biological resources, Guru Nanak Institute of Pharmaceutical Science and Technology, 1st September 2017. 13. USE OF IN SILICO TOOLS FOR MANAGEMENT, ANALYSIS AND BETTER UNDERSTANDING OF BIODIVERSITY Subha Mukherjee, **Tamalika Chakraborty,** Conservation of biodiversity and sustainable use of biological resources, Guru Nanak Institute of Pharmaceutical Science and Technology, 1st September 2017. 14. REVIEW ON DIFFERENT APPROACHES TO INCREASE THE RATE OF BIODIVERSITY IN DROUGHT FACILITATED AREAS USING GENETIC METHODOLOGIES Nilanjan Ray, **Tamalika Chakraborty,** Conservation of biodiversity and sustainable use of biological resources, Guru Nanak Institute of Pharmaceutical

Science and Technology, 1st September 2017.

15. REVIEW ON DIFFERENT APPROACHES TO INCREASE THE RATE OF BIODIVERSITY IN DROUGHT FACILITATED AREAS USING GENETIC METHODOLOGIES Nilanjan Ray, **Tamalika Chakraborty,** Conservation of biodiversity and sustainable use of biological resources, Guru Nanak Institute of Pharmaceutical Science and Technology, 1st September 2017.

2016:

1. Antimicrobial activity of *Terminalia bellerica* against Multi Drug Resistant *Staphylococcus aureus*, **Tamalika Chakraborty,** Sumana Chatterjee, Lopamudra Datta, Abhijit Sengupta, "Drug and disease: Role of Pharmacists and doctors" Jointly organized by Centre for Advance Research, Department of Pharmaceutical Technology JU & IAPST, 16th January 2016

2. "Silver and Gold Nanoparticles as potential antibacterial agents." Monami Ghosh, **Tamalika Chakraborty** "Current innovation in Biotechnology for Human welfare" GNIPST sponsored by West Bengal State Council of Science and Technology and catalysed by DST New Delhi., 2016

3. Strain improvement of Industrial Lactic acid bacteria without use of Recombinant DNA Technology, Sujoy Das**, Tamalika Chakraborty**, "Current innovation in Biotechnology for Human welfare" GNIPST sponsored by West Bengal State Council of Science and Technology and catalysed by DST New Delhi, 2016

	4. Antimicrobial activity of *Terminalia bellerica* against Multi Drug Resistant *Staphylococcus aureus*, **Tamalika Chakraborty,** Sumana Chatterjee, Lopamudra Datta, Abhijit Sengupta, "Drug and disease: Role of Pharmacists and doctors" Jointly organized by Centre for Advance Research, Department of Pharmaceutical Technology JU & IAPST, 16th January 2016 **2014:** 1. Bacterial Protein Quest for Cancer treatment, Shatabisha Bhattacharya, Asis Bala, **Tamalika Chakraborty**, Abhijit Sengupta, National Seminar on Scientific Validation of Traditional Application of Natural Products, Indira Gandhi Institute Of Pharmaceutical Sciences, Bhubaneshwar, 2014 2. Antimicrobial activity of Indian Medicinal Plant on Multi Drug Resistant Bacteria, **Tamalika Chakraborty**, Dr Sumana Chatterjee, Dr Lopamudra Datta, Dr Abhijit Sengupta, 1st convention: Society for Ethnopharmacology, India 2014, Nov 29-30, 2014, SNPS- JU, Kolkata 3. Extracellular bacterial protein(s): A new target for the prevention of Ehrlich's Ascites carcinoma. Shatabisha Bhattacharya, Asis Bala, **Tamalika Chakraborty,** Abhijit Sengupta. 5th International Conference on Stem cells and Cancer (ICSS-2014), 8-10 Nov., 2014. JNU, New Delhi,2014