

BIOTECHNOLOGY

Venue: P. C. Mahalanobis Auditorium, Baker Building (1st. Floor)
17th. January 2025 Friday Technical Session- 1 (2:00 PM onward)

SI No.	Application No.	Name of the Presenting Author	Name of the Institute/ Organization	Title of the Abstract
1	WBSSTC/2024-25/R6/BIOTECH/082932	Argha Chakraborty	Ramakrishna Mission Vivekananda Educational and Research Institute	Deciphering the microbiome metabolome signatures of India's oldest waste derived plant biostimulant Kunapajala
2	WBSSTC/2024-25/R6/BIOTECH/084918	Shreya Das	Jadavpur University	miR-101-3p regulates the expression of Tbx20 and Bmp2 to augment cardiac injury by modulating senescence and inflammation: a plausible biomarker of cardiomyopathy
3	WBSSTC/2024-25/R6/BIOTECH/021031	Annesha Guray	Jadavpur University	Extraction of Secondary Metabolites from Radiation-resistant Bacillus spp. to Evaluate Their Antioxidant and Anticancer Properties
4	WBSSTC/2024-25/R6/BIOTECH/014344	Kousik Bhattacharya	Presidency University	Integrating computational and experimental approaches to identify and characterize human Guanylate Binding Protein derived peptides in the Elimination of Leishmania donovani
5	WBSSTC/2024-25/R6/BIOTECH/062934	Priyadarshini Halder	Presidency University	A brief exposure to rotenone leads to hyperacetylation of microtubules resulting in drastic elongation of primary cilia in quiescent cells
6	WBSSTC/2024-25/R6/BIOTECH/101223	Trisha Halder	Institute of Health Sciences Presidency University	Exploring The Crosstalk Between Hormone-Receptor-Degrading Protein, CUEDC2 and Androgen Receptor in Triple Negative Breast Cancer.
7	WBSSTC/2024-25/R6/BIOTECH/125633	Rudra Chakravarti	National Institute of Pharmaceutical Education and Research Kolkata	Enhancing Precision in Genome Editing: Combining Paired Nickases with NHEJ Inhibitors to Promote Homology-Directed Knock-in
8	WBSSTC/2024-25/R6/BIOTECH/101929	Sayak Bhattacharya	Bijoy Krishna Girls College Howrah	Identification and characterization of marine bone degrading collagenase enzyme from the bone-eating Osedax worm associated microbial assemblages

9	WBSSTC/2024-25/R6/BIOTECH/110715	Arpita Dutta	Institute of Health Sciences Presidency University	Voltage Dependent Anion Channel 1 (VDAC1) regulates ciliogenesis by altering mitochondrial fission-fusion dynamics
10	WBSSTC/2024-25/R6/BIOTECH/093103	Sutapa Laha	University of Calcutta	Development and Application of Polysaccharide Based Coating for Enhancing the Shelf-life of Solanum lycopersicum
12	WBSSTC/2024-25/R6/BIOTECH/105752	Dwaipayan Chaudhuri	Presidency University	Designing of a multi-epitope and peptide cocktail vaccine against Dengue virus: An Indian population-based study
13	WBSSTC/2024-25/R6/BIOTECH/100446	Sandipan Chatterjee	CSIR Central Leather Research Institute	Fermentative valorisation of collagen-rich fleshing waste of leather processing for the economical production of polysaccharide chitosan: A novel biotechnological approach
14	WBSSTC/2024-25/R6/BIOTECH/114343	Abhipsha Ray	Presidency University Kolkata	Understanding modulation of glycolytic factors under polycystic ovarian condition: a comparative analysis between ovary and liver tissues
15	WBSSTC/2024-25/R6/BIOTECH/112743	Sanjukta Dasgupta	Brainware University	Integration of transcriptome and metabolome signatures for the development of machine learning based classification model of pulmonary sarcoidosis
16	WBSSTC/2024-25/R6/BIOTECH/055153	Md Aminur Islam	CSIR Indian Institute of Chemical Biology	Interplay between protein misfolding disorders and Parkinsons Disease-Mechanistic insights and implications
17	WBSSTC/2024-25/R6/BIOTECH/054532	Priyanka Das	Presidency University	Actin filament severing mechanism promotes primary cilia assembly

18th. January 2025 Saturday Technical Session- 2 (10:00 AM)

18	WBSSTC/2024-25/R6/BIOTECH/060843	Sudipta Majhi	Presidency University	Enhancing Phytoremediation of Heavy Metals with Plant Growth-Promoting Bacteria Isolated from Chickpea Root Nodules
19	WBSSTC/2024-25/R6/BIOTECH/063914	Rabindar Sha	Presidency University Kolkata	Mobile Phone radiation induces diabetic like alterations in Swiss albino mice
20	WBSSTC/2024-25/R6/BIOTECH/013806	Dipak Manna	Ramakrishna Mission Vivekananda Educational and Research Institute	Development of Strip-Based Diagnostics for the Detection of Deadly Free-living Amoebae

21	WBSSTC/2024-25/R6/BIOTECH/121129	Supriya Mandal	Presidency University Kolkata	Immunomodulatory potential of Ursolic Acid augments antileishmanial immune response during <i>L. donovani</i> infection
22	WBSSTC/2024-25/R6/BIOTECH/014900	Tannishtha Biswas	Presidency University	Analyzing the bioremediation potential of bacterial strains isolated from the denim wastewaters of Chatta, Kalikapur, West Bengal
23	WBSSTC/2024-25/R6/BIOTECH/061332	Atreyee Mukherjee	Presidency University Kolkata	Vitamin D3 Induced Shift to M2 Polarization Attenuates the M1 Phenotype: Insights into the Role of Vitamin D3 in Murine Model
24	WBSSTC/2024-25/R6/BIOTECH/055558	Joyeeta Datta	Presidency University	Identification of novel inhibitor candidate targeting HIV-1 Nef protein using Drug Repurposing approaches
25	WBSSTC/2024-25/R6/BIOTECH/040204	Prakash Nandi	Presidency University	Computational prediction of structure for full-length Topoisomerase-I from Budding yeast
26	WBSSTC/2024-25/R6/BIOTECH/095252	Anubrata Bit	University of Engineering and Management	Synergistic effect of Neem (<i>Azadirachta indica</i>) and Honey as an effective oral irrigant in dental procedures
27	WBSSTC/2024-25/R6/BIOTECH/105625	Sreejita Ghosh	Maulana Abul Kalam Azad University Of Technology West Bengal	Study of antibiofilm activity of biogenic silver nano conjugate from <i>Leonurus sibiricus</i> leaves against <i>Staphylococcus aureus</i> ATCC 23235
28	WBSSTC/2024-25/R6/BIOTECH/045052	Dr Rania Indu	JIS University	Therapeutic Potential of <i>Helianthus annuus</i> Seeds: A Natural Remedy for Diabetes and Related Complications
29	WBSSTC/2024-25/R6/BIOTECH/023314	Suvankar Das	Presidency University	Repurposing an anti-psychotic drug in cancer therapy: a molecular docking and dynamic simulation study
30	WBSSTC/2024-25/R6/BIOTECH/112531	Manjima Sengupta	Techno India University West Bengal	Nutritional and Phytochemical Comparison of Chickpeas and Mung Beans: Antioxidant, Antimicrobial and Health Benefits
31	WBSSTC/2024-25/R6/BIOTECH/095259	Indira Chakraborty	St Xaviers College Autonomous Kolkata	Targeting Signalling Pathways in Cervical Cancers by All-trans Retinoic Acid (ATRA)