

हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

नवाबगंज, कानपुर - 208002, उ.प्र., भारत

HARCOURT BUTLER TECHNICAL UNIVERSITY

NAWABGANJ, KANPUR - 208002, U.P., INDIA

(Formerly Harcourt Butler Technological Institute, Kanpur)

Phone : +91-0512-2534001-5, 2533812, website : <http://www.hbtu.ac.in>, Email : vc@hbtu.ac.in

100+
YEARS
1921 - 2021



Department of Biochemical Engineering
Harcourt Butler Technical University
Details of Ph.D. (Completed)

S.No	Name of Ph.D. Scholar	Enrolment No.	Name of Supervisor	Research Topic	Registration Session	Status	Photograph
1.	Dr. Bhavana Pandey	Ph.D/13/ CHY/1322)	Dr. Lalit Kumar Singh / Prof. S.K. Upadhyaya	Biosurfactant from low -cost substrate;synthesis,characterizatio n, physiochemical studies and applications (Registered from Dr.APJ Abdul KalamTechnical University, Lucknow)	2013	Completed	
2.	Dr. Esha Dwivedi	190301002	Prof. Lalit Kumar Singh	Isolation and characterization of suitable microbial strain for enhanced production of laccase	2019-20 Summer session	Completed	



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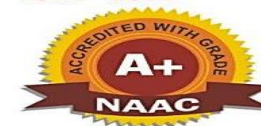
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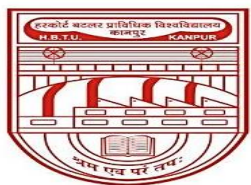
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3.	Dr. Zainab Mahmood	170301002	Prof. Lalit Kumar Singh	Microbial synthesis of lipid using bagasse hydrolysate as substrate.	2017-18 Summer session	Completed	
4.	Dr. Abhimati Shukla	170301001	Prof. Lalit Kumar Singh	Sorption of heavy metals by microbial induced and natural lignocellulosic residues	2017-18 Summer session	Completed	



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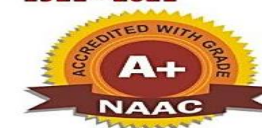
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5	Dr. Mohit Nigam	210301001	Prof. Lalit Kumar Singh	Studies on Multi-Microbial Biodegradation of Dyes and Process Development to Remediate Industrial Effluent	2021-22 Winter session	Completed	
6	Dr. Vartika Nishad	220301002	Dr. Shravan Kumar	Study on green synthesis of zerovalent iron nanoparticles from Aegle marmelos (Bael) plant extract for the removal of heavy metal (Cr (VI)) from wastewater	2022-23 Winter session	Completed	



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Details of Ph.D.scholar (Ongoing)

Sr. No.	Name of Ph.D. Scholar	Enrolment No.	Supervisor	Research Topic	Session	Status	Photograph
1.	Pooja Singh	220301001	Prof. Lalit Kumar Singh	Synthesis, characterization and application of carbon quantum dots for wastewater treatment.	2022-23 Winter session	On-going	
2.	TriptiTripathi	230301001	Dr. Shravan Kumar	Nano-Conjugated Cellulase Production from Multi-Step Pretreated Sugarcane Bagasse: A Comprehensive Bioprocessing Approach for Improved Substrate Hydrolysis	2023-24 Summer Session	On-going	



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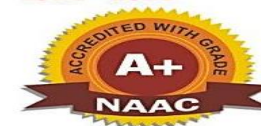
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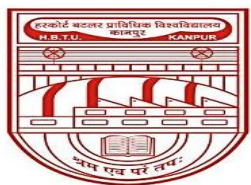
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3.	Apoorva Anshu Jha	230301002	Dr. Rajkamal Kushwaha	Development of an eco-friendly hydrogel for utilization in Biomedical application	2023-24 Winter session	On-going	
4.	Baby Shruti Shukla	230301003	Prof. Lalit Kumar Singh	Development of Hydrogel for burn wound healing	2023-24 Winter session	On-going	
5.	Rashmi	230301005	Dr. Shravan Kumar	Investigation of nanoparticles to formulate nano fluids for enhanced oil recovery	2023-24 Winter session	On-going	



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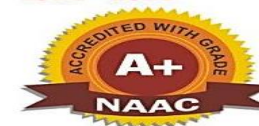
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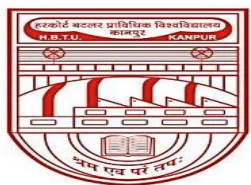
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6.	Vaibhav Singh	230301006	Dr. Rajkamal Kushwaha	Biomass and Transition Metal Oxide/Sulphide Derived Materials for Energy Storage Applications.	2023-24 Winter session	On-going	
7.	Sangeeta Karmakar	240301001	Prof. Lalit Kumar Singh	Influence of different electrogenic bacteria on the bio electrochemical performance of microbial fuel cells	2024-25 Summer Session	On-going	
8.	Swati Patel	240301002	Dr. Shravan Kumar	Synthesis of Functionalized Biochar from Agricultural Waste for CO ₂ Capture	2024-25 Summer Session	On-going	



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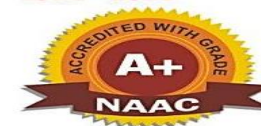
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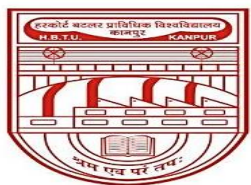
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9.	Bavita Katiyar	240301003	Prof.Lalit kumar Singh	Conversation of brewer's spent grain(BSG) into value added product: a biorefinery based approach	2024-25 Winter session	On-going	
10.	Anshi Gupta	250301001	Dr. Rajkamal Kushwaha	Geographical Variability of Bioactive Phytochemicals in Selected Medicinal Plants and Their Nanogel-Based Application for Bone Regeneration and Inflammatory Disorders	2025-26 Winter Session	On-going	
11.	Anupriya Kushwaha	250301002	Dr. Rajkamal Kushwaha	Seaweed- and PGPR-Assisted Bio fortification of Leafy Greens: A Sustainable Strategy for Enhancing Cardiovascular Health	2025-26 Winter session	On-going	



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12.	Kajal Singh	250301003	Dr. Shravan kumar	Synthesis of Fe ₃ O ₄ carbon nanomaterials from waste tires for dye-contaminated wastewater treatment	2025-26 Winter session	On-going	
13.	Manika Pal	250301004	Dr.Sachin Kumar	Assessment of morpho-agronomics and biomass traits of energy crop to bio- methane yield under anaerobic conditions	2025-26 Winter session	On-going	
14.	Sudeep Kumar Tiwari	250301005	Dr. Rajkamal Kushwaha	Adsorptive Removal of Organic Dyes Using Kitchen Waste-Derived Biochar: Performance Evaluation and Molecular Characterization	2025-26 Winter session	On-going	



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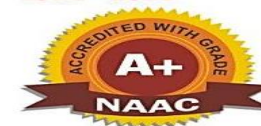
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15.	Vaishnavi Niranjana	250301006	Prof. Ajay Kumar Singh	AI-ML Driven multi omics approaches for early Oral Cancer Detection	2025-26 Winter session	On-going	
16.	Ashutosh Gupta	260301003	Dr. Shravan Kumar	Synthesis and characterization of Silver Nanoparticle– modified adsorbent for Wastewater treatment : antimicrobial efficacy and aquatic toxicity	2026-27 Summer session	On-going	
17.	Anirudh Singh	260301002	Prof. Ajay Kumar Singh	Transformer-based Machine Learning approach for casual validation in Schizophrenia	2026-27 Summer session	On-going	



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18.	Shweta Rathour	260301006	Dr.Sachin Kumar	Development of enzyme cocktail for efficient Scarification of lignocellulosic biomass	2026-27 Summer session	On-going	
19.	Anika Srivastava	260301001	Dr. Rajkamal Kushwaha	Development of an integrated plant - Microbe - biochar bioremediation system for antibiotics removal and mitigation of antibiotic resistance risk in hospital waste water.	2026-2 Summer session 7	Ongoing	



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20.	Neha	260301004	Dr. Sachin Kumar	Development of enzyme cocktail from fungus source for lignocellulosic biomass	2026-27 Summer session	On-going	
21.	Prashant Kishore	260301005	Dr. Shravan Kumar	Integrated ABE fermentation and in-situ gas stripping for enhanced butanol production from sweet sorghum juice	2026-27 Summer session	Ongoing	