

DEPARTMENTAL ACTIVITIES

A number of Technical Activities are organized by ME Department on regular basis for the overall development of Faculty, Staff Members and Students of the department.

These activities include Seminars, Conferences, Faculty Development Programs (FDPs), Staff Development Programs (SDPs), Short-Term Training Programs / Courses, Research Projects etc.

Faculty Research Publication

List of Research Papers Published in SCI/Scopus/Springer/IEEE/UGC Indexed journal

S. No.	Faculty Name	Title of Paper	Conference/SCI/Scopus	Indexed Year
1.	Dr. Santosh Kr. Singh	Thermal performance and behavior analysis of SiO ₂ , Al ₂ O ₃ and MgO based nano-enhanced phase-changing materials, latent heat thermal energy storage system	SCI	
2.	Dr. Santosh Kr. Singh	Energy and Exergy Analysis of Latent Heat Thermal Energy Storage System(LHTESS) Using Multiple Phase Changing Materials	SCOPUS	
3.	Dr. Santosh Kr. Singh	Design and Fabrication of Parabolic Trough Solar Water Heater for Hot Water Generation	UGC CARE	
4.	Dr. Santosh Kr. Singh	Performance Analysis of Energy Storage System with Hybrid Phase Changing Materials	SCOPUS	
5.	Dr. Santosh Kr. Singh	Numerical investigation of thermal storage unit using multiple phase changing materials	SCI	
6.	Dr. Santosh Kr. Singh	The impact of organized bathing on Ganga basin water quality during KUMBH-2022 by spatial and temporal analysis	SCOPUS	
7.	Dr. Santosh Kr. Singh	Performance Enhancement of CuO-Paraffin Nano-Enhanced Phase Change Material, Int. J. Vehicle Structures & Systems, 14	SCOPUS	
8.	Dr. Santosh Kr. Singh	Experimental Analysis of Latent Heat Thermal Energy Storage System Using Encapsulated Multiple Phase Change Materials	SCI	
9.	Rohit	Magnesium metal matrix composites and its applications: A comprehensive study	CONFERENCE	2022

10.	Manas Pandey	Indigenization of Track Tamping Machines for Indian Railway	SCOPUS	2020
11.	Manas Pandey	DEVELOPMENT OF TAMPING ARM OF MULTIPURPOSE TAMPING MACHINE FOR INDIAN RAILWAY.	SCOPUS	2020
12.	Manas Pandey	Application of RPT in Medical Science: A Review	UGC CARE	2018
13.	Manas Pandey	A Calculation Procedure and Optimization for Pass Scheduling in Rolling Process: A Review	UGC CARE	2018
14.	Shruti Singh	Development of Squeezing Cylinder for Indigenized Multipurpose Tamping Machine.	SCOPUS	2020
15.	Shruti Singh	Electric Discharge Machining of Carbon Fibre Reinforced Plastics: A Review.	CONFERENCE	2018
16.	Mamta Mishra	Static performance improvement of conventional lathe bed structures using hybrid materials	CONFERENCE	2013
17.	Rohit	Analysis of complex composite beam by using timoshenko beam theory & Finite Element Method	SCI	2013