Publications Details

S. No	Name of Faculty	Title of the Research Paper	URL	Name of Publication	Date of Public ation	ISSN / Volume/ Issue No./Page No.
1	**Dr.P.K.Mall**	Analysis of microstructure and micro hardness of aluminum alloy melt for grain refinement by twin-roll casting	**doi.org/10.1186/s40712-025-00211-0**	Journal of Materials Science: Materials in Engineering	3004-8958 Volume 20, article number 21 Pp (1-15)	**ESCI**
2	**Dr.P.K.Mall**	Measuring the effects of liquid bulk viscosity numerically on a spherical nitrogen bubble in aqueous H2SO4	**doi: 10.1063/5.0255985**	AIP Advances	2158-3226 Volume 15, Issue - 4 PP-(1-12)	**SCIE**
3	**Dr.P.K.Mall**	Effect of liquid density, ultrasonic velocity, and gas flow rate on the formation of air bubbles in aqueous methanol at temperature 293.15, 303.15, and 313.15 K	**doi: 10.1063/5.0251734**	AIP Advances	2158-3226 Volume 15, Issue 7 PP-(1-19)	**SCIE**
4	**Dr.P.K.Mall**	Impact of surface tension, viscosity and flow rate on air bubble formation in aqueous methanol at temperatures 293.15, 303.15 and 313.15 K	**doi.org/10.1007/s11182-025-03508-x**	Russian Physics Journal	1064-8887 / 1573-9228 Volume 68, pages 895–902	**SCIE**

5	**Dr.P.K.Mall**	Analytical Modeling and Performance Analysis of Fuzzy and PID controller and full active suspension system using 7 degree of freedom	**https://doi.org/10.20855/ijav.2026.31.12167**	International Journal of Acoustics and Vibration	1027-5851 / 2415-1408 Vol. 31, No. 1, PP-(38–49)	**SCIE**
6	**Dr.P.K.Mall**	Thermodynamic investigation on the use of transcritical carbon dioxide in a reheat gas turbine-based combined cooling and power cycle	**https://doi.org/10.1007/s44189-026-00097-3**	International Journal of Air-Conditioning and Refrigeration	2010-1325/ 2010-1333 Volume 68, pages (1-14)	**SCIE**
7	**Dr.P.K.Mall**	Integrated Effects of Aerodynamic Control and Active Suspension Systems on Vehicle Stability and Handling Dynamics During High-Speed Maneuvers	**https://doi.org/10.20855/ijav.2025.30.42203**	International Journal of Acoustics and Vibration	1027-5851 / 2415-1408 Vol. 30, No. 4, 2025 pp. (432–442)	**SCIE**
8	**Dr.P.K.Mall**	Stepped single-slope solar still using MWCNT nanofluid and nano-enhanced PCM	**https://doi.org/10.1007/s11182-026-03695-1**	Russian Physics Journal	1573-9228/ 1064-8887 Vol. 69, No. 2, 2026 pp. (1-8)	**SCIE**
9	**Dr.P.K.Mall**	Thermal and productivity analysis of a stepped slope solar still using silver nanofluid and nano-enhanced PCM	**https://doi.org/10.1007/s11182-026-03698-y**	Russian Physics Journal	1573-9228/ 1064-8887 Vol. 69, No. 2, 2026 pp. (1-	**SCIE**

					8)	
10	**Dr.P.K.Mall**	Experimental Studies on Tungsten Inert Gas Welding on EN-08 Steel with Mild Steel Filler	**https://link.springer.com/chapter/10.1007/978-981-96-9521-8_50**	Recent Advancement in Production Engineering (Scopus Conference)	2195-2195/ 4364-4356 PP (635–647)	**SCOPUS**
11	**Dr.P.K.Mall**	Review of Manual Scavenging in India and Design and Development of Scavenging Machine	**https://doi.org/10.1063/5.0337741**	AIP Conf. Proc. 3419, 050002 (2026)	1551-7616/ 0094-243X PP-(05000 2-1-8)	**SCOPUS**
12	**Dr.P.K.Mall**	A Comprehensive Review of Roll Control and Ride Comfort Optimization of Active Suspension Systems for Passenger Vehicles	**https://doi.org/10.1063/5.0337742**	**AIP Conf. Proc. 3419, 050001 (2026)**	1551-7616/ 0094-243X PP-(05000 1-1-14)	**SCOPUS**
13	**Dr.P.K.Mall**	Optimum utilization of Transport department with application of six sigma	**https://doi.org/10.1063/5.0337745**	**AIP Conf. Proc. 3419, 050001 (2026)**	1551-7616/ 0094-243X PP-(06000 2-1-15)	**SCOPUS**

14	**Dr.P.K.Mall**	Experimental and numerical evaluation of various planes and axial velocity on static pressure from top to bottom of the cyclone separator	**https://doi.org/**10.1063/5.0337715	**AIP Conf. Proc. 3419, 050001 (2026**	1551-7616/ 0094-243X PP-(060009-1-15)	**SCOPUS**
15	**Dr.Ankit Asthana**	Mechanical, Surface and wear analysis of hybrid AA6082 reinforced with boron carbide and pistachio shell powder composite developed using stir casting technique	**Has been accepted for publication in «Journal of Mechanical Engineering Science ». Awaiting For Publication**	**«Journal of Mechanical Engineering Science ». Awaiting For Publication**	0954-4062 & 2041-2983	**SCIE**
16	**Dr. Nagendra Kumar Mishra**	Cyclic oxidation of 304L and 316L stainless steel coated and uncoated with Cr3C2-NiCr at elevated temperatures	**doi:10.2478/msp.2025-0010**	**Materials Science - Poland**	2083-134X & 2083-1331	**SCIE**
17	**Dr. Nagendra Kumar Mishra**	Thermodynamic investigation on the use of transcritical carbon dioxide in a reheat gas turbine-based combined cooling and power cycle	**https://doi.org/10.1007/s44189-026-00097-3**	International Journal of Air-Conditioning and Refrigeration	2010-1325/ 2010-1333 Volume 68, pages (1-14)	**SCIE**
17	**Dr. Jyoti Singh**	Thermodynamic investigation on the use of transcritical carbon dioxide in a reheat gas turbine-	**https://doi.org/10.1007/s44189-026-00097-3**	International Journal of Air-Conditioning and	2010-1325/ 2010-1333 Volume 68,	**SCIE**

		based combined cooling and power cycle		Refrigeration	pages (1-14)	
18	**Ms. Garima Singh**	Solar -powered villages: Empowering rural communities with solar energy	**10.21844/16202118107**	Purushartha Journal	0975-024X &2456-1371	**SCOPUS**