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Designation : Assistant Professor

Department : Mechanical Engineering

No. of Publication : 50

Journal Publication :

Type of Journal	DOI No.	Name of the Article	Name of the Author	ISSN No.	Year
UGC Certified	10.22486/iwj.v54i1.205482	Experimental investigation on bead-on-plate welding and cladding using pulsed GTAW process	S. Bose and S. Das	0046-9092	2023
UGC Certified		Evaluating suitable weld condition to obtain enlarged bead width of 316 stainless steel towards weld cladding	S. Bose and S. Das	0970-4256	2023
UGC Certified		ANN Based Estimation of Geometry of Bead-on-Plate in Pulsed Gas Tungsten Arc Welding	A. Das, S. Bose and S. Das		2023
SCOPUS	https://doi.org/10.18311/jmmf/2023/36038	Comparative Study of Wear Behaviour of Heat Treated 304 Austenitic and 410 Martensitic Stainless Steel	Arijit Mukherjee, Santosh Kumar, Syan Paul, Soumak Bose, Suman Kumar Ghosh, Samrat Biswas	0022-2755	2023

Book Chapter Publication :

DOI No.	Name of the Article	Name of the Author	ISBN No.	Year
	Generation of electricity through speed breaker	Soumak Bose	978-81-964878-1-2	2023
	Effect of process parameters and heat input on Weld bead geometry of austenitic stainless steel Wire electrode using gas metal arc welding	Soumak Bose	978-81-964878-0-5	2023
https://doi.org/10.62906/bs.book.209	A Comprehensive Review on Wire Electrical Discharge Machining (WEDM) Process Parameters: Effects, Optimization and Applications	Soumak Bose, Suman Kumar Ghosh, Ranjan Kumar and Bikash Panja	978-93-6233-705-4	2023
https://doi.org/10.62906/bs.book.209	Revolutionizing Mobility: Advanced Hydroelectric and Electric Vehicle Technologies for Sustainable Development	Samrat Biswas, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee and Soumak Bose	978-93-6233-705-4	2023
https://doi.org/10.62906/bs.book.209	Process Optimization and Material Characterization in WAAM	Samrat Biswas, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee and Soumak Bose	978-93-6233-705-4	2023
https://doi.org/10.62906/bs.book.209	Helical Flow Dynamics: Numerical Simulation and Analysis of Helicity Distribution in Cyclone Separators	Samrat Biswas, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee and Soumak Bose	978-93-6233-705-4	2023
https://doi.org/10.62906/bs.book.209	Advanced Modal Analysis of NACA 0012 Airfoil Wings: Unveiling Higher-Order Deformation Modes using ANSYS Workbench	Samrat Biswas, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee and Soumak Bose	978-93-6233-705-4	2023

https://doi.org/10.62906/bs.book.209	Thermal Pathways: Investigating Temperature Distribution Along the Topmost Portion of a 2D Steady-State Heat Conduction Domain	Soumya Ghosh, Sayan Paul, Arijit Mukherjee, Soumak Bose, Suman Kumar Ghosh and Samrat Biswas	978-93-6233-705-4	2023
https://doi.org/10.62906/bs.book.209	Stress Exploration: Unveiling Minimum Combined Stress in a Cantilever Beam using ANSYS	Soumya Ghosh, Sayan Paul, Arijit Mukherjee, Soumak Bose, Suman Kumar Ghosh and Samrat Biswas	978-93-6233-705-4	2023
https://doi.org/10.62906/bs.book.209	Bending Perspectives: Analyzing Total Deformation in a Cantilever Beam using ANSYS	Soumya Ghosh, Sayan Paul, Arijit Mukherjee, Soumak Bose, Suman Kumar Ghosh and Samrat Biswas	978-93-6233-705-4	2023
https://doi.org/10.62906/bs.book.209	Unveiling the Potential of Hydroelectric Power Systems towards Sustainability	Soumya Ghosh, Soumitra Roy, Sayan Paul, Arijit Mukherjee, Soumak Bose and Suman Kumar Ghosh	978-93-6233-705-4	2023
https://doi.org/10.62906/bs.book.209	Influence of Crack Location on the Natural Frequencies of Composite Beams	Soumya Ghosh, Sayan Paul, Arijit Mukherjee, Soumak Bose, Suman Kumar Ghosh and Samrat Biswas	978-93-6233-705-4	2023
https://doi.org/10.62906/bs.book.209	Advances and Applications of Wire Arc Additive Manufacturing (WAAM) & Process Optimization and Material Characterization in WAAM	Arijit Mukherjee, Sayan Paul, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas	978-93-6233-705-4	2023
https://doi.org/10.62906/bs.book.209	Modal Analysis and Directional Bending Moment of a Cantilever Beam using ANSYS	Arijit Mukherjee, Samrat Biswas, Sayan Paul, Soumya Ghosh, Suman	978-93-6233-705-4	2024

		Kumar Ghosh and Soumak Bose		
https://doi.org/10.62906/bs.book.209	Vibrational Insights: Modal Analysis of a Cantilever Beam using ANSYS	Arijit Mukherjee, Sayan Paul, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas	978-93-6233-705-4	2024
https://doi.org/10.62906/bs.book.211	Revolutionizing Mobility: Advanced Hydroelectric and Electric Vehicle Technologies for Sustainable Development	Samrat Biswas, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee and Soumak Bose	978-93-6233-761-0	2024
https://doi.org/10.62906/bs.book.211	Process Optimization and Material Characterization in WAAM	Samrat Biswas, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee and Soumak Bose	978-93-6233-761-0	2024
https://doi.org/10.62906/bs.book.211	Helical Flow Dynamics: Numerical Simulation and Analysis of Helicity Distribution in Cyclone Separators	Samrat Biswas, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee and Soumak Bose	978-93-6233-761-0	2024
https://doi.org/10.62906/bs.book.211	Advanced Modal Analysis of NACA 0012 Airfoil Wings: Unveiling Higher-Order Deformation Modes Using ANSYS Workbench	Samrat Biswas, Sayan Paul, Suman Kumar Ghosh, Soumya Ghosh, Arijit Mukherjee and Soumak Bose	978-93-6233-761-0	2024
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https://doi.org/10.62906/bs.book.211	Bending Perspectives: Analyzing Total Deformation in a Cantilever Beam Using ANSYS	Soumya Ghosh, Sayan Paul, Arijit Mukherjee, Soumak Bose, Suman Kumar Ghosh and Samrat Biswas	978-93-6233-761-0	2024

https://doi.org/10.62906/bs.book.211	Unveiling the Potential of Hydroelectric Power Systems towards Sustainability	Soumya Ghosh, Soumitra Roy, Sayan Paul, Arijit Mukherjee, Soumak Bose and Suman Kumar Ghosh	978-93-6233-761-0	2024
https://doi.org/10.62906/bs.book.211	Influence of Crack Location on the Natural Frequencies of Composite Beams	Soumya Ghosh, Sayan Paul, Arijit Mukherjee, Soumak Bose, Suman Kumar Ghosh and Samrat Biswas	978-93-6233-761-0	2024
https://doi.org/10.62906/bs.book.211	Dynamic Revelations: Advanced Modal Analysis of a Cantilever Beam Using ANSYS	Soumya Ghosh, Sayan Paul, Arijit Mukherjee, Soumak Bose, Suman Kumar Ghosh and Samrat Biswas	978-93-6233-761-0	2024
https://doi.org/10.62906/bs.book.211	Advances and Applications of Wire Arc Additive Manufacturing (WAAM) & Process Optimization and Material Characterization in WAAM	Arijit Mukherjee, Sayan Paul, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas	978-93-6233-761-0	2024
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https://doi.org/10.62906/bs.book.211	Vibrational Insights: Modal Analysis of a Cantilever Beam Using ANSYS	Arijit Mukherjee, Sayan Paul, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas	978-93-6233-761-0	2024
https://doi.org/10.62906/bs.book.211	Production of Biodiesel Using Chicken Waste Fats	Arijit Mukherjee, Suddha Sattwa Bagh, Sayan	978-93-6233-761-0	2024

		Paul, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas		
https://doi.org/10.62906/bs.book.211	Modal Analysis of a NACA 0012 Airfoil Wing Using ANSYS Workbench	Arijit Mukherjee, Sayan Paul, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas	978-93-6233-761-0	2024
https://doi.org/10.62906/bs.book.211	Influence of Fiber Orientation on the Vibration Characteristics of Composite Beams with Cracks	Sayan Paul, Arijit Mukherjee, Soumak Bose, Soumya Ghosh, Suman Kumar Ghosh and Samrat Biswas	978-93-6233-761-0	2024

Other Publication Details (if any)

Patent Publication

[1] “Power Generation Using Speed Breaker”, Soumak Bose, Abhishek Dhar, Saurabh Adhikari, Subhranil Som, Intellectual Property India, Office of the Controller General of

Patents, Design and Trade Marks, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India. [Patent Application Number 202331054862 A]

[2] “Mini Belt Grinder”, Suman Kumar Ghosh, Ranjan Kumar, Samrat Biswas, Soumak Bose, Abhishek Dhar, Saurabh Adhikari, Subhranil Som, Intellectual Property India, Office of the Controller General of Patents, Design and Trade Marks, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India. [Patent Application Number 202331054863 A]

[3] “Autonomous Robo–Soccer Competition System”, Abhishek Poddar, Soumak Bose, Soumya Ghosh, Bikash Panja, Abhishek Dhar, Saurabh Adhikari, Subhranil Som, Intellectual Property India, Office of the Controller General of Patents, Design and Trade Marks, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India. [Patent Application Number 202431060633 A]