

## Publications 2021-2022

### List of Journal Papers:

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number	Link of the recognition in UGC enlistment of the Journal/ Link to Journal Homepage
Tribological performance Optimization of Al <sub>2</sub> O <sub>3</sub> -TiB <sub>2</sub> composites using Grey-Taguchi approach	Dipankar Dey, Abhijit Bhowmik, and Ajay Biswas	Mechanical Engineering	International Journal of Cast Metals Research	2022	Print ISSN: 1364-0461 Online ISSN: 1743-1336	<a href="https://www.tandfonline.com/action/journalInformation?journalCode=ycmr20">https://www.tandfonline.com/action/journalInformation?journalCode=ycmr20</a>
Synthesis and Characterization of Borosilicate Glass Powder-Reinforced Novel Lightweight Aluminum Matrix Composites	Abhijit Bhowmik , Arabinda Meher , Srijit Biswas , Dipankar Dey , M. Saravana Kumar , Ajay Biswas,Rim M. Alsharabi	Mechanical Engineering	Advances in Materials Science and Engineering	2022	1687-8434	<a href="https://www.scopus.com/sourceid/17700156760">https://www.scopus.com/sourceid/17700156760</a>
Machining performance of Nano SiC and graphite powder	Mofijul Islam , Abhijit Bhowmik , Shamim Haidar,	Mechanical Engineering	Materials Today: Proceedings	2022	2214-7853	<a href="https://www.scopus.com/sourceid/21100370037">https://www.scopus.com/sourceid/21100370037</a>

mixed aluminum matrix composites fabricated by powder metallurgy using EDM	Srijit Biswas					
Non-lubricated dry sliding wear activities of Al7075/Fly ash nanocomposites by exploring grey based Taguchi optimization	Abhijit Bhowmik , Sourav Saha , M. Saravana Kumar , Dipankar Dey , Srijit Biswas	Mechanical Engineering	Materials Today: Proceedings	2022	2214-7853	<a href="https://www.scopus.com/sourceid/21100370037">https://www.scopus.com/sourceid/21100370037</a>
Transport properties of CdI <sub>2</sub> -doped silver ion conducting system: validation with first-principle DFT estimations	Asmita Poddar, Shayeri Das, Madhab Roy, Koyel Bhattacharya & Sanjib Bhattacharya	Electrical Engineering	Ionics International Journal of Ionics – The Science and Technology of Ionic Motion (Publisher : Springer Link)	2022	Electronic ISSN 1862-0760 Print ISSN 0947-7047	UGC-CARE List Group II Journal (SCI) <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000757728700001">https://www.webofscience.com/wos/woscc/full-record/WOS:000757728700001</a>

A new approach for direct discretization of fractional order operator in delta domain	Sujay Kumar Dolai, Arindam Mondal, Prasanta Sarkar	Electrical Engineering	Facta universitatis - series: Electronics and Energetics	2022	ISSN :0353-3670 eISSN : 2217-5997	UGC-CARE List Group II Journal (SCI) <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000975710200002">https://www.webofscience.com/wos/woscc/full-record/WOS:000975710200002</a>
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### List of Book Chapters in edited volumes/books published and papers published in national/international conference proceedings

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Asmita Poddar	NA	Dynamics of Ag <sup>+</sup> ions in CdI <sub>2</sub> doped electrolytes	Materials Today: Proceedings	29th National Conference on Condensed Matter Physics, 2021	National	2022	ISSN 2214-7853	Dream Institute of Technology	Elsevier Science Direct
2	Sujay Kumar Doali	NA	Realization of Fractance Device	2022 International Conference	2022 International Conference	International	2022	Electronic ISBN:978-1-	Dream Institute of Techno	IEEE

			using Chaotic Crow Search Algorithm	e on Knowledge Engineering and Communication Systems (ICKES),	e on Knowledge Engineering and Communication Systems (ICKES),			6654-5637-1 Print on Demand(PoD) ISBN:978-1-6654-5638-8	logy	
3	Sujay Kumar Doali	NA	A Unified Approach for Realization of IIR Filters in Delta Domain	2022 IEEE International Conference of Electron Devices Society Kolkata Chapter (EDKCON)	2022 IEEE International Conference of Electron Devices Society Kolkata Chapter (EDKCON)	International	2022	ISBN Information: Electronic ISBN:978-1-6654-7205-0 Print on Demand(PoD) ISBN:978-1-6654-7206-7	Dream Institute of Technology	IEEE
4	Asmita Poddar	Lithium Ion Glassy Electrolytes	Optical Properties of Some Li-Doped Glassy Systems	NA	NA	NA	2022	Hardcover ISBN 978-981-19-3268-7 Softcover ISBN 978-981-	Dream Institute of Technology	Springer Singapore

								19-3271-7 eBook ISBN 978-981-19-3269-4		
5	Sushovan Roy	NA	Mathematical Modelling and Analysis of HVAC System of Modern Buildings Using Renewables for Optimization of Energy Consumptions in Indian Scenario	National Conference On Emerging Trends In Engineering Science & Technology, 2022	National Conference On Emerging Trends In Engineering Science & Technology, 2022	National	2022	ISBN: 978-93-92818-00-4	Dream Institute of Technology	TPI Conference
6	Prithick Saha	Lithium Ion Glassy Electrolytes	Applications of Li-doped Glass Composites : Other Applications	NA	NA	NA	2022	Hardcover ISBN 978-981-19-3268-7 Softcover ISBN 978-981-	Dream Institute of Technology, Kolkata	Springer Nature Singapore

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