

**MKSSS'S Cummins College of Engineering for Women, Pune**  
**Department of Mechanical Engineering**

**Academic Year of Publications: 2020-21 – Journal**

Sr. No.	Author [Faculty] Name	Paper Title	Name of Journal	Month Yr Volume, Issue No., & Page no.	ISSN No.	Indexing	Citations	SNIP	SJR	Impact Factor	h-index
1	Hanumant P. Jagtap, <b>Anand K. Bewoor</b> , Ravinder Kumar, Mohammad Hossein Ahmad	Performance analysis and availability optimization to improve maintenance schedule for the turbo-generator subsystem of a thermal power plant using particle swarm optimization <a href="https://doi.org/10.1016/j.res.2020.107130">https://doi.org/10.1016/j.res.2020.107130</a>	Reliability Engineering and System Safety	Dec.-2020, Vol. 204 107130	0951-8320	SCI	0		1.93	5.04	133
2	Harshad Pingulkar, Ashok Mache, <b>Yashwant Munde</b> , I Siva	Synergy of Interlaminar Glass Fiber Hybridization on Mechanical and Dynamic Characteristics of Jute and Flax Fabric Reinforced Epoxy Composites <a href="https://doi.org/10.1080/15440478.2020.1856280">https://doi.org/10.1080/15440478.2020.1856280</a>	Journal of Natural Fibers	Dec 2020	1544-0478	SCI		3.37	0.42	2.62	24
3	Aanchna Sharma, <b>Yashwant Munde</b> , Vinod Kushvaha	Representative volume element based micromechanical modelling of rod shaped glass filled epoxy composites <a href="https://doi.org/10.1007/s42452-021-04261-9">https://doi.org/10.1007/s42452-021-04261-9</a>	SN Applied Sciences	Feb 2021	2523-3971	SCOPUS				-	
4	Mithul Naidu, Dipak Bacche, <b>Ajit Bhosale</b>	Influence of Temperature on the Plant Fiber Reinforced Brake Pad Materials: A Review	Solid State Technology	Oct 2020 63,6 2388-2404	0038-111X	SCOPUS		0.492	0.101	-	25
5	Mithul Naidu, Dipak Bacche, Hrishikesh Avhad, Siddhesh Akolkar, Shubham Dhage, <b>Ajit Bhosale</b>	An Insight on the Influence of Fiber Content on Plant Fiber Reinforced Brake Pads.	International Journal of Future Generation Communication and Networking	2020 13,2s, 1070-1082	2233-7857	ESCI		0.431	0.153	-	1
6	<b>S A Kedar</b> G.Murali <b>A.K.Bewoor</b>	Effective hybrid solar groundwater desalination in rural areas	International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies	March 2021 Volume 12 Issue 3	2228-9860	ESCI				-	
7	<b>S A Kedar</b> G.Murali <b>A.K.Bewoor</b>	Mathematical modelling and analysis of hybrid solar desalination system using evacuated tube collector and compound parabolic concentrator.	Mathematical Modelling of Engineering Problems (MMEP)	February 2021 Volume 8 Issue 1	2369-0747	SCOPUS					
8	<b>S A Kedar</b> <b>A.K.Bewoor</b> G.Murali Ravinder Kumar Milad Sadeghzadeh Alibek Issakhov	Effect of reflecting material on CPC to improve the performance of hybrid groundwater solar desalination system.	International Journal of Photoenergy (IJPE)	Volume 2021 Article ID 6675236 13 pages	1687-529X	SCI					

### Academic Year of Publications: 2020-21 – Book Chapter

Sr. No.	Faculty Author	Chapter title	Book title	Month Yr	Publisher	ISBN no.	Issue details	Page No.
1	Hanumant P. Jagtap, <b>Anand K. Bewoor</b> , Firojkhan Pathan, Ravinder Kumar	Application of particle swarm optimization method for availability optimization of thermal power plant	Nature Inspired Optimization in Advanced Manufacturing Processes and Systems under series AI in Engineering CRC Press 2020.	Sept 2020	Springer	9811392633	43687	

### Academic Year of Publications: 2020-21– Conferences Paper

Sr. No.	Author [Faculty] Name	Paper Title	Name of Conference	Volume, Issue No., (Month/Yr.) & Page no.	ISSN/ISBN No.	Indexing	Citations	SNIP	SJR	Impact Factor	h-index
1	Jui J Joglekar, <b>YS Munde</b> , AL Jadhav, DS Bhutada, S Radhakrishnan, MB Kulkarni	Studies on effective utilization of Citrus Maxima fibers based PVC composites	Materials Today: Proceedings	Dec 2020	2214-7853	SCOPUS		1.28	0.3	-	27
2	Anamol Sonawane, Abhijeet Deshpande, Satish Chinchankar, <b>Yashwant Munde</b>	Dry sliding wear characteristics of carbon filled polytetrafluoroethylene (PTFE) composite against Aluminium 6061 alloy	Materials Today: Proceedings	Feb 2021	2214-7853	SCOPUS		1.28	0.3	-	27
3	Harshad Pingulkar, Ashok Mache, <b>Yashwant Munde</b> , I. Siva	A comprehensive review on drop weight impact characteristics of bast natural fiber reinforced polymer composites	Materials Today: Proceedings	Feb 2021	2214-7853	SCOPUS		1.28	0.3	-	27
4	<b>Parag Chaware</b> , C. M. Sewatkar	Laminar to Chaotic Transitions for Flow Through a Pipe with Twisted Tape Insert	8th International and 47th National Conference on Fluid Mechanics and Fluid Power	Dec. 2020							
5	<b>N.R.Patil, A.K. Bewoor</b>	Effects of MoS <sub>2</sub> based biodegradable cutting fluids in MQL during turning of stainless steel	International Conference on Innovations in Mechanical Engineering (ICIME-20-21)	Feb. 2021		SCOPUS					
6	<b>Anand Bewoor</b> , Sagar Sapkal and Pratiksha Dhaygude	Understanding company's readiness to establish APQP as a standard QMS procedure	International Conference on Innovations in Mechanical Engineering (ICIME-20-21)	Feb. 2021		SCOPUS					
7	<b>Anand K. Bewoor</b> , Hanumant. P.Jagtap	An integrated approach for interoperability of standards, condition monitoring methods, and research models used in the power generation sector	3rd Intl. Conference on Materials Science and Manufacturing Technology 2021 (ICMSMT-2021)	Apr. 2021		SCOPUS					