



# Jain College of Engineering & Research, Belagavi

(Approved by AICTE, New Delhi, Affiliated to VTU, Belagavi)

**Programmes Accredited by NBA: ECE &ME**

**From AY: 2024-25 to till date**

## Patent Details

S.No	Name of the Faculty	Branch	Title of invention	Patent Type (Product/Design/Copyright)	Application No	Status(Registered/published/Granted)	Year	Count
1	Dr. S.V. Gorabal	ME	AN UPRIGHT POSTURE CORRECTING WEARABLE DEVICE	Product	202541026667	Granted	2025	1
<b>Total</b>								<b>1</b>

## Articles in book chapter/ Book

S.No	Name of the Faculty	Branch	Title of the Chapter	Title of the Book	Volume No / Issue No	DOI / online ISSN number	Count
1	Dr. Gangadhar M Kanaginahal	ME	Synthesis of carbon nanomaterials from leaves and other plant sources	Nanostructured Carbon Materials from Plant Extracts Synthesis, Characterization, and Applications	Elsevier	<a href="https://doi.org/10.1016/B978-0-323-95126-5.00021-4">https://doi.org/10.1016/B978-0-323-95126-5.00021-4</a>	5
			Advantages of Nanomaterial-Modified Electrochemical Sensors over Conventional Electrochemical Sensors	Fabrication and Advanced Applications of Nanomaterial-Based Electrochemical Sensors	Taylor and Francis Group	<a href="https://doi.org/10.1201/9781003512639">https://doi.org/10.1201/9781003512639</a>	



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			Automobile Applications of Mechanically Alloyed Magnesium and Titanium Material	Mechanically Alloyed Novel Materials: Processing, Applications, and Properties	Springer	<a href="https://doi.org/10.1007/978-981-97-6504-1">https://doi.org/10.1007/978-981-97-6504-1</a>	
			Coating Methods and Materials for 3D Printed Parts	Post-Processing of Parts and Components Fabricated by Fused Deposition Modeling: Techniques and Advancement	Taylor and Francis Group	<a href="https://doi.org/10.1201/9781032665351">https://doi.org/10.1201/9781032665351</a>	
			Mechanical Alloying of Magnesium and Titanium Alloys	Advancements in Powder Metallurgy: Processing, Applications, and Properties	IGI Global	10.4018/978-1-6684-9385-4	
2	Dr. Mallikarjun B Jalageri	ME	Strengthening the Co-Bonded Flat-Joggle-Flat Composite Joints Using CNT Nanoparticles	Emerging Trends in Tribology, Surface Engineering, and Innovative Fabrication Techniques	ACCEPTED TO CRC-PRESS		1
3	Dr. Sadashiv Bellubbi		Advancement of Electrochemical Discharge Micromachining: Processing Micro-Features in	Electro-Micromachining and Microfabrication	pp. 85-109 (2024) Apple Academic Press.	10.1201/9781003397793-5.	1



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			Nonconducting Materials						7
								<b>Total</b>	<b>7</b>

## International conference proceedings

S.No	Branch	Name of the Faculty	Title of the Paper	Proceedings	Venue	Publisher / DOI	Indexing(Scopus/etc)	Journal quartile	Count
1	ME	Dr. Sadashiv Bellubbi	Joining of aluminum tube to PVC pipes through electromagnetic force.	International Symposium on Recent Advances in Materials Joining and Manufacturing Processes, Feb 27-28, 2025	AIET Moodbidr, Karnataka	Materials Research Proceedings, 55. - Scopus			2
			Structural evaluation of microwave butt welded MONEL 400 sheets through finite element analysis	International Symposium on Recent Advances in Materials Joining and Manufacturing Processes, Feb 27-28, 2026	AIET Moodbidr, Karnataka	Materials Research Proceedings, 55. - Scopus			
								<b>Total</b>	<b>2</b>



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## Publication Details

S.No	Branch	Name of the Faculty	Title of the paper	Journal, Volume and Issue No	DOI / ONLINE ISSN NUMBER	Indexing(Scopus/etc)	Journal quartile	Count
1	ME	Dr. Gangadhar M Kanaginahal	A study of viscoelastic and thermal properties of Habeshian banana fiber-reinforced epoxy composites: theoretical and experimental appraisal	Polymer Bulletin	<a href="https://doi.org/10.1007/s00289-025-06238-9">https://doi.org/10.1007/s00289-025-06238-9</a>	[SCIE/Scopus]	Q2	6
			Structural and thermal integrity of Kevlar fabric – Crumb rubber sandwich polymer composite	Journal of Composite Materials	<a href="https://doi.org/10.1177/00219983251352700">https://doi.org/10.1177/00219983251352700</a>	[SCIE/Scopus]	Q2	
			The structural and thermal integrity of novel bio-polymer composite processed from Ethiopian teff husk particles for constructional	Journal of Polymer Research	<a href="https://doi.org/10.1007/s10965-024-04239-2">https://doi.org/10.1007/s10965-024-04239-2</a>	[SCIE/Scopus]	Q2	



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			applications					
			Tensile, compressive, and fracture behavior of Habeshian chopped banana/epoxy core sandwich woven banana composite	Biomass Conversion and Biorefinery	<a href="https://doi.org/10.1007/s13399-024-05455-y">https://doi.org/10.1007/s13399-024-05455-y</a>	[SCIE/Scopus]	Q2	
			Influence of Habesha eggshell on the dry sliding wear behavior of epoxy composites	Biomass Conversion and Biorefinery	<a href="https://doi.org/10.1007/s13399-024-05482-9">https://doi.org/10.1007/s13399-024-05482-9</a>	[SCIE/Scopus]	Q2	
			Effect of TiB2 particles on the compressive, hardness, and water absorption responses of Kulkual fiber-reinforced epoxy composites	Reviews On Advanced Materials Science	<a href="http://dx.doi.org/10.1515/rams-2025-0090">http://dx.doi.org/10.1515/rams-2025-0090</a>	[SCIE/Scopus]	Q5	
2	ME	Dr. Sadashiv Bellubbi	Smart Ripeness Assessment: Real-Time Image-Based Classification of	International Journal of Environmental Sciences	<a href="https://theaspd.com/index.php/ijes">https://theaspd.com/index.php/ijes</a>	Scopus	Q3	2



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		Papaya Maturity Stages						
		Classification of Papaya Fruit Maturity Level Using Image Processing	Engineering Convergence and Innovation	<a href="https://www.universalresearchforum.com">https://www.universalresearchforum.com</a>	Scopus	--		
							<b>Total</b>	<b>8</b>

## Summary

S.No	Details	Count	Scopus Indexed Count	Journal quartile Count	Total Count
1	Patent	1			1
2	Publications	8	8	Q2-5 Q3-1 Q5-1	8
3	International Conference Proceedings	2	-		2
4	Articles in Book chapter / Book	7			7
5	Research Grant				Nil