

# Dr J S BINOJ

## List of Publications by Year in descending order

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48  
papers

1,274  
citations

394421

19  
h-index

414414

32  
g-index

56  
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56  
docs citations

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times ranked

564  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Natural Cellulosic Fiber from <i>Cocos nucifera</i> Peduncle for Sustainable Biocomposites. <i>Journal of Natural Fibers</i> , 2022, 19, 9373-9383.	3.1	40
2	Effect of interfacial thickness on microstructure, mechanical properties, and modelling of diffusion fused dissimilar Al alloys for process optimization using ANN-GA method. <i>Multiscale and Multidisciplinary Modeling, Experiments and Design</i> , 2022, 5, 105-117.	2.1	1
3	Extraction and characterization of natural cellulosic fiber from fragrant screw pine prop roots as potential reinforcement for polymer composites. <i>Polymer Composites</i> , 2022, 43, 320-329.	4.6	26
4	Influence of SiC micro and nano particles on tribological, water absorption and mechanical properties of basalt bidirectional mat/vinyl ester composites. <i>Composites Science and Technology</i> , 2022, 219, 109210.	7.8	21
5	Impact of fiber length on mechanical, morphological and thermal analysis of chemical treated jute fiber polymer composites for sustainable applications. <i>Current Research in Green and Sustainable Chemistry</i> , 2022, 5, 100241.	5.6	40
6	Effect of fiber stacking sequence and orientation on quasi-static indentation properties of sustainable hybrid carbon/ramie fiber epoxy composites. <i>Current Research in Green and Sustainable Chemistry</i> , 2022, 5, 100284.	5.6	21
7	Characterization of <i>Cocos nucifera</i> L. peduncle fiber reinforced polymer composites for lightweight sustainable applications. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	29
8	Effect of combined micro and nano silicon carbide particles addition on mechanical, wear and moisture absorption features of basalt bidirectional mat/vinyl ester composites. <i>Polymer Composites</i> , 2022, 43, 2574-2583.	4.6	24
9	Failure analysis of basalt bidirectional mat reinforced micro/nano Sic particle filled vinyl ester polymer composites. <i>Engineering Failure Analysis</i> , 2022, 136, 106227.	4.0	28
10	A Review of Challenges and Opportunities in Additive Manufacturing. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 23-29.	0.4	19
11	Investigations on Wire Electrical Discharge Machining of Magnesium Alloy AZ31B by Taguchi's Approach. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 923-931.	0.4	1
12	Mechanical, microstructural, and dynamic mechanical properties of electrospun short nanofiber reinforced epoxy composites. <i>Polymer Composites</i> , 2022, 43, 7028-7043.	4.6	5
13	Effect of stacking sequence and silicon carbide nanoparticles on properties of carbon/glass/Kevlar fiber reinforced hybrid polymer composites. <i>Polymer Composites</i> , 2022, 43, 6096-6105.	4.6	39
14	Multi aspects optimization on spark erosion machining of Incoloy 800 by Taguchi Grey approach. <i>Materials Today: Proceedings</i> , 2021, 39, 148-154.	1.8	18
15	Machinability studies on wire electrical discharge machining of Nickel alloys using multiple regression analysis. <i>Materials Today: Proceedings</i> , 2021, 39, 155-159.	1.8	9
16	Numerical simulation and experimental investigation on laser beam welding of Inconel 625. <i>Materials Today: Proceedings</i> , 2021, 39, 268-273.	1.8	22
17	Multi objective optimization of wire electrical discharge machining on Inconel 718 using Taguchi grey relational analysis. <i>Materials Today: Proceedings</i> , 2021, 39, 230-235.	1.8	31
18	Parameters optimization and development of multiple regression models for wire electrical discharge machining of aluminium composites. <i>Materials Today: Proceedings</i> , 2021, 39, 263-267.	1.8	9

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19	Multi objective optimization of wire-electrical discharge machining of stellite using Taguchi " Grey approach. <i>Materials Today: Proceedings</i> , 2021, 39, 216-222.	1.8	20
20	Application of Taguchi method on Wire Electrical Discharge Machining of Inconel 625. <i>Materials Today: Proceedings</i> , 2021, 39, 121-125.	1.8	13
21	Influence of fiber length on mechanical properties and microstructural analysis of jute fiber reinforced polymer composites. <i>Materials Today: Proceedings</i> , 2021, 39, 398-402.	1.8	14
22	Statistical optimization of parameters for enhanced properties of diffusion bonded AA6061 and AA 7075 aluminium alloys. <i>Materials Today: Proceedings</i> , 2021, 39, 388-397.	1.8	4
23	Design of high efficiency energy harvesting circuit using dual switching technique. <i>Materials Today: Proceedings</i> , 2021, 39, 725-730.	1.8	2
24	Optimization and performance evaluation of PLA polymer material in situ carbon particles on structural properties. <i>Materials Today: Proceedings</i> , 2021, 39, 223-229.	1.8	11
25	Development of Grey-ANFIS Model for Wire Electrical Discharge Machining of Al-GNP Composites. <i>Materials Today: Proceedings</i> , 2021, 39, 301-310.	1.8	4
26	Performance comparison of artificial neural network and multiple regression models for wire electrical discharge machining of haste alloy. <i>Materials Today: Proceedings</i> , 2021, 39, 524-532.	1.8	1
27	<i>Coccinia grandis</i> stem fiber polymer composite: thermal and mechanical analysis. <i>Iranian Polymer Journal (English Edition)</i> , 2021, 30, 369-380.	2.4	4
28	Characterization of enzyme treated cellulosic stem fiber from <i>Cissus quadrangularis</i> plant: An exploratory investigation. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100162.	5.6	26
29	Characterization of chemically treated new natural cellulosic fibers from peduncle of <i>Cocos nucifera</i> L. Var <i>typica</i> . <i>Polymer Composites</i> , 2021, 42, 6403-6416.	4.6	37
30	Predictive Models for Wire Spark Erosion Machining of AA 7075 Alloy Using Multiple Regression Analysis. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 429-438.	0.4	14
31	Sustainable development in utilization of <i>Tamarindus indica</i> L. and its by-products in industries: A review. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100207.	5.6	26
32	Thermo-mechanical and morphological characterization of needle punched non-woven banana fiber reinforced polymer composites. <i>Composites Science and Technology</i> , 2020, 185, 107890.	7.8	57
33	Optimisation of spark erosion machining process parameters using hybrid grey relational analysis and artificial neural network model. <i>International Journal of Machining and Machinability of Materials</i> , 2020, 22, 1.	0.1	16
34	Characterization of discarded fruit waste as substitute for harmful synthetic fiber-reinforced polymer composites. <i>Journal of Materials Science</i> , 2020, 55, 8513-8525.	3.7	30
35	Enhancement of corrosion resistance on plasma spray coated mild steel substrate exposed to marine environment. <i>Materials Today: Proceedings</i> , 2019, 15, 84-89.	1.8	17
36	Influence of Tool Rotation Speed on Soundness of Water-Cooled Friction Stir Welded Armour Grade Al-Cu Joint. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 557-567.	0.4	1

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37	Machinability Analysis and ANFIS modelling on Advanced Machining of Hybrid Metal Matrix Composites for Aerospace Applications. <i>Materials and Manufacturing Processes</i> , 2019, 34, 1866-1881.	4.7	50
38	Comprehensive characterization of natural cellulosic fiber from <i>Coccinia grandis</i> stem. <i>Carbohydrate Polymers</i> , 2019, 207, 675-683.	10.2	95
39	Failure analysis of discarded <i>Agave tequilana</i> fiber polymer composites. <i>Engineering Failure Analysis</i> , 2019, 95, 379-391.	4.0	21
40	Characterization of industrial discarded fruit wastes ( <i>Tamarindus Indica</i> L.) as potential alternate for man-made vitreous fiber in polymer composites. <i>Chemical Engineering Research and Design</i> , 2018, 116, 527-534.	5.6	66
41	Evaluation of mechanical behavior of multifilament discarded fishnet/glass fiber and polyester composites for marine applications. <i>Marine Structures</i> , 2018, 58, 361-366.	3.8	10
42	Comprehensive Characterization of Natural <i>Cissus quadrangularis</i> Stem Fiber Composites as an Alternate for Conventional FRP Composites. <i>Journal of Bionic Engineering</i> , 2018, 15, 914-923.	5.0	51
43	Comprehensive characterization of industrially discarded fruit fiber, <i>Tamarindus indica</i> L. as a potential eco-friendly bio-reinforcement for polymer composite. <i>Journal of Cleaner Production</i> , 2017, 142, 1321-1331.	9.3	70
44	Morphological, physical, mechanical, chemical and thermal characterization of sustainable Indian <i>Areca</i> fruit husk fibers ( <i>Areca Catechu</i> L.) as potential alternate for hazardous synthetic fibers. <i>Journal of Bionic Engineering</i> , 2016, 13, 156-165.	5.0	136
45	Optimization of short Indian <i>Areca</i> fruit husk fiber ( <i>Areca catechu</i> L.) reinforced polymer composites for maximizing mechanical properties. <i>International Journal of Polymer Analysis and Characterization</i> , 2016, 21, 112-122.	1.9	56
46	Characterization of <i>Areca</i> and <i>Tamarind</i> Fiber Reinforced Hybrid Polymer Composites for Structural Applications. , 0, , .		0
47	Prediction of Material Removal Rate in Wire Electrical Discharge Machining of Aluminum Composites for Automotive Components. , 0, , .		2
48	Mechanical Property Optimization of <i>Tamarind</i> Fruit Fiber for Lightweight Structural Composites Applications. , 0, , .		0