

# Ahmed Belaadi

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

1,016  
citations

516710

16  
h-index

454955

30  
g-index

32  
all docs

32  
docs citations

32  
times ranked

641  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel extraction techniques, chemical and mechanical characterisation of <i>Agave americana</i> L. natural fibres. <i>Composites Part B: Engineering</i> , 2014, 66, 194-203.	12.0	149
2	Tensile static and fatigue behaviour of sisal fibres. <i>Materials &amp; Design</i> , 2013, 46, 76-83.	5.1	116
3	Tensile mechanical properties and surface chemical sensitivity of technical fibres from date palm fruit branches ( <i>Phoenix dactylifera</i> L.). <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 71, 95-106.	7.6	89
4	Thermochemical and statistical mechanical properties of natural sisal fibres. <i>Composites Part B: Engineering</i> , 2014, 67, 481-489.	12.0	69
5	Multi-axial mechanical characterization of jute fiber/polyester composite materials. <i>Composites Part B: Engineering</i> , 2016, 90, 450-456.	12.0	48
6	Mechanical properties of vegetal yarn: Statistical approach. <i>Composites Part B: Engineering</i> , 2016, 106, 139-153.	12.0	43
7	The Effect of Alkaline Treatment on Mechanical Performance of Natural Fibers-reinforced Plaster: Optimization Using RSM. <i>Journal of Natural Fibers</i> , 2021, 18, 2220-2240.	3.1	40
8	Mechanical characterization and optimization of delamination factor in drilling bidirectional jute fibre-reinforced polymer biocomposites. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 111, 2073-2094.	3.0	38
9	Fatigue in Sisal Fiber Reinforced Polyester Composites: Hysteresis and Energy Dissipation. <i>Procedia Engineering</i> , 2014, 74, 325-328.	1.2	35
10	Comparative study of flexural properties prediction of <i>Washingtonia filifera</i> rachis biochar bio-mortar by ANN and RSM models. <i>Construction and Building Materials</i> , 2022, 318, 125985.	7.2	34
11	Effect of eco-friendly chemical sodium bicarbonate treatment on the mechanical properties of flax fibres: Weibull statistics. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 1753-1774.	3.0	33
12	Improving the mechanical performance of biocomposite plaster/ <i>Washingtonian filifira</i> fibres using the RSM method. <i>Journal of Building Engineering</i> , 2021, 33, 101840.	3.4	33
13	Mechanical and drilling performance of short jute fibre-reinforced polymer biocomposites: statistical approach. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 1989-2006.	3.0	31
14	Behaviour of lignocellulosic fibre-reinforced cellular core under low-velocity impact loading: Taguchi method. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 108, 223-233.	3.0	26
15	Elaboration and Characterization of Flax Fiber Reinforced High Density Polyethylene Biocomposite: Effect of the Heating Rate on Thermo-mechanical Properties. <i>Journal of Natural Fibers</i> , 2022, 19, 3928-3941.	3.1	23
16	Non-isothermal crystallization kinetics and nucleation behavior of isotactic polypropylene composites with micro-talc. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 1081-1095.	3.6	20
17	Experimental investigation and optimization of delamination factors in the drilling of jute fiber-reinforced polymer biocomposites with multiple estimators. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 116, 2885-2907.	3.0	19
18	Structural, thermal, mechanical and physical properties of <i>Washingtonia filifera</i> fibres reinforced thermoplastic biocomposites. <i>Materials Today Communications</i> , 2022, 31, 103574.	1.9	18

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19	The Effect of Alkaline Treatment on Mechanical Performance of Natural Fibers-Reinforced Plaster: Part II Optimization Comparison between ANN and RSM Statistics. Journal of Natural Fibers, 2022, 19, 8367-8382.	3.1	16
20	Extraction and Characterization of a New Lignocellulosic Fiber from <i>Yucca Treculeana L</i> . Leaf as Potential Reinforcement for Industrial Biocomposites. Journal of Natural Fibers, 2022, 19, 12235-12250.	3.1	16
21	Static and fatigue compression behaviour of conventional and auxetic open-cell foam. Mechanics of Advanced Materials and Structures, 2022, 29, 6154-6167.	2.6	15
22	Statistical and Experimental Analysis of the Mechanical Properties of Flax Fibers. Journal of Natural Fibers, 2022, 19, 1387-1401.	3.1	14
23	Systematic Review on Reinforcing Mortars with Natural Fibers: Challenges of Environment-Friendly Option. Journal of Natural Fibers, 2022, 19, 14262-14286.	3.1	14
24	Drilling of a bidirectional jute fibre and cork-reinforced polymer biosandwich structure: ANN and RSM approaches for modelling and optimization. International Journal of Advanced Manufacturing Technology, 2021, 117, 3819-3839.	3.0	12
25	Quantitatively Investigating the Effects of Fiber Parameters on Tensile and Flexural Response of Flax/Epoxy Biocomposites. Journal of Natural Fibers, 2020, , 1-16.	3.1	11
26	Tensile Behavior and Statistical Analysis of <i>Washingtonia Filifera</i> Fibers as Potential Reinforcement for Industrial Polymer Biocomposites. Journal of Natural Fibers, 2022, 19, 14839-14854.	3.1	11
27	Structural study and thermal behavior of composites: Polyamide 66/glass fibers: The reinforcement ratio effect on the kinetics of crystallization. Journal of Composite Materials, 2020, 54, 1467-1481.	2.4	10
28	The Effect of Geometry on the Flexural Properties of Cellular Structures Reinforced with Natural Fibres: Statistical Approach. Journal of Natural Fibers, 2022, 19, 8448-8462.	3.1	9
29	Impact of Surface Treatment of Flax Fibers on Tensile Mechanical Properties Accompanied by A Statistical Study. International Journal of Integrated Engineering, 2019, 11, .	0.4	9
30	Moisture Absorption of cork-based Biosandwich Material Extracted from <i>Quercussuber L</i> . Plant: ANN and Fick's Modelling. Journal of Natural Fibers, 2022, 19, 12486-12503.	3.1	7
31	Influence of tribological parameters on S335 steel filing TiAlN in dry sliding wear: Prediction model and sliding condition optimization. International Journal of Advanced Manufacturing Technology, 2017, 92, 4057-4071.	3.0	5
32	New approach for computer-aided static balancing of turbines rotors. Diagnostyka, 2019, 20, 95-101.	0.8	3