R A Ilyas

List of Publications by Year in Descending Order

315 papers	10,313 citations	58 h-index	90 g-index
345 ext. papers	13,589 ext. citations	3.9 avg, IF	7.29 L-index

#	Paper	IF	Citations
315	Effect of plasticizers on the properties of sugar palm nanocellulose/cinnamon essential oil reinforced starch bionanocomposite films. *Nanotechnology Reviews*, **2022**, 11, 423-437	6.3	4
314	3D Printing and Shaping Polymers, Composites, and Nanocomposites: A Review.. *Polymers*, **2022**, 14,	4.5	11
313	Physical, Mechanical, and Morphological Performances of Arrowroot () Fiber Reinforced Arrowroot Starch Biopolymer Composites.. *Polymers*, **2022**, 14,	4.5	1
312	Biocomposite of Cassava Starch-Cymbopogan Citratus Fibre: Mechanical, Thermal and Biodegradation Properties.. *Polymers*, **2022**, 14,	4.5	2
311	Health Hazard from Composites. *Composites Science and Technology*, **2022**, 183-210		
310	Design for Safety in Composites. *Composites Science and Technology*, **2022**, 95-113		
309	Occupational Safety and Health Administration in Composite Industry. *Composites Science and Technology*, **2022**, 229-252		
308	Composites and Biocomposites: Manufacturing and Processing. *Composites Science and Technology*, **2022**, 15-33		
307	Safety in Composite Laboratory. *Composites Science and Technology*, **2022**, 67-94		
306	Safety Issues in Composite Materials. *Composites Science and Technology*, **2022**, 139-161		
305	Fire Safety in Polymers Composites. *Composites Science and Technology*, **2022**, 163-181		
304	The Role of Biocomposites in Health Issues During COVID-19 Pandemic. *Composites Science and Technology*, **2022**, 253-266		
303	Safety and Health Issues Associated with Fibre Reinforced Polymer Composites in Various Industrial Sectors. *Composites Science and Technology*, **2022**, 211-228		
302	Carbon Footprint in Healthcare. *Composites Science and Technology*, **2022**, 115-137		1
301	Safety Issues in Transportation Design. *Composites Science and Technology*, **2022**, 267-291		
300	Introduction to Safety and Health. *Composites Science and Technology*, **2022**, 1-13		
299	Emission of Hazardous Air Pollution in the Composite Production. *Composites Science and Technology*, **2022**, 35-66		0

298	Natural Fiber-Reinforced Polylactic Acid, Polylactic Acid Blends and Their Composites for Advanced Applications.. *Polymers*, **2022**, 14,	4.5	32
297	Natural Fiber-Reinforced Polycaprolactone Green and Hybrid Biocomposites for Various Advanced Applications.. *Polymers*, **2022**, 14,	4.5	25
296	Mechanical properties of oil palm fibre-reinforced polymer composites: a review. *Journal of Materials Research and Technology*, **2022**, 17, 33-65	5.5	19
295	Pyrolysis of polypropylene plastic waste into carbonaceous char: Priority of plastic waste management amidst COVID-19 pandemic. *Science of the Total Environment*, **2022**, 803, 149911	10.2	21
294	Advanced Composite in Aerospace Applications: Opportunities, Challenges, and Future Perspective **2022**, 471-498		1
293	Economic insights into the production of cellulose nanofibrils from oil palm biomass **2022**, 39-48		0
292	Nanocellulose as a bioadsorbent for water and wastewater purification **2022**, 409-437		1
291	Nanocellulose composites for electronic applications **2022**, 481-502		0
290	Recent Advancements in Advanced Composites for Aerospace Applications: A Review **2022**, 319-339		1
289	Nanocellulose composites in the automotive industry **2022**, 439-467		0
288	Introduction to nanocellulose production from biological waste **2022**, 1-37		0
287	Nanocellulose nanocomposites in coating materials **2022**, 179-195		
286	Evolution of Aerospace Composite Materials **2022**, 367-385		0
285	Nanocellulose biocomposites in specialty papermaking **2022**, 353-374		
284	Natural-Fiber-Reinforced Chitosan, Chitosan Blends and Their Nanocomposites for Various Advanced Applications.. *Polymers*, **2022**, 14,	4.5	22
283	Product Development of Natural Fibre-Composites for Various Applications: Design for Sustainability.. *Polymers*, **2022**, 14,	4.5	9
282	Bamboo-Fiber-Reinforced Thermoset and Thermoplastic Polymer Composites: A Review of Properties, Fabrication, and Potential Applications.. *Polymers*, **2022**, 14,	4.5	2
281	Mechanical performance evaluation of bamboo fibre reinforced polymer composites and its applications: a review. *Functional Composites and Structures*, **2022**, 4, 015009	3.5	4

280	Impact of Process Variables of Acetone Vapor Jet Drilling on Surface Roughness and Circularity of 3D-Printed ABS Parts: Fabrication and Studies on Thermal, Morphological, and Chemical Characterizations.. *Polymers*, **2022**, 14,	4.5	4
279	Comparative Drug Release Investigations for Diclofenac Sodium Drug (DS) by Chitosan-Based Grafted and Crosslinked Copolymers.. *Materials*, **2022**, 15,	3.5	4
278	Abrasive water jet machining of coir fiber reinforced epoxy composites: a review. *Functional Composites and Structures*, **2022**, 4, 014001	3.5	2
277	Preference Index of Sustainable Natural Fibers in Stone Matrix Asphalt Mixture Using Waste Marble.. *Materials*, **2022**, 15,	3.5	2
276	Surface modifications of cellulose nanocrystals: Processes, properties, and applications. *Food Hydrocolloids*, **2022**, 130, 107689	10.6	6
275	Thermal Properties of Sugar Palm Fiber-Based Hybrid Composites **2022**, 53-83		
274	Emerging Developments on Nanocellulose as Liquid Crystals: A Biomimetic Approach.. *Polymers*, **2022**, 14,	4.5	4
273	Potential of Flax Fiber Reinforced Biopolymer Composites for Cross-Arm Application in Transmission Tower: A Review. *Fibers and Polymers*, **2022**, 23, 853-877	2	3
272	Effect of foam filling on the energy absorption behaviour of flax/polylactic acid composite interlocking sandwich structures. *Composite Structures*, **2022**, 292, 115685	5.3	0
271	A review of nanocellulose adsorptive membrane as multifunctional wastewater treatment. *Carbohydrate Polymers*, **2022**, 291, 119563	10.3	8
270	Role of activated carbon for metal-free catalysts **2022**, 137-150		
269	Effects of Elevated Temperature on the Residual Behavior of Concrete Containing Marble Dust and Foundry Sand. *Materials*, **2022**, 15, 3632	3.5	1
268	Sugar Palm Fibre-Reinforced Polymer Composites: Influence of Chemical Treatments on Its Mechanical Properties. *Materials*, **2022**, 15, 3852	3.5	2
267	Hybridization of MMT/Lignocellulosic Fiber Reinforced Polymer Nanocomposites for Structural Applications: A Review. *Coatings*, **2021**, 11, 1355	2.9	20
266	Recent advances of thermal properties of sugar palm lignocellulosic fibre reinforced polymer composites. *International Journal of Biological Macromolecules*, **2021**,	7.9	20
265	Oxygen permeability properties of nanocellulose reinforced biopolymer nanocomposites. *Materials Today: Proceedings*, **2021**,	1.4	2
264	Effect of palm wax on the mechanical, thermal, and moisture absorption properties of thermoplastic cassava starch composites. *International Journal of Biological Macromolecules*, **2021**, 194, 851-851	7.9	6
263	Isolation and characterization of cellulose nanofibers from Agave gigantea by chemical-mechanical treatment.. *International Journal of Biological Macromolecules*, **2021**,	7.9	6

262	Use of Industrial Wastes as Sustainable Nutrient Sources for Bacterial Cellulose (BC) Production: Mechanism, Advances, and Future Perspectives. *Polymers*, **2021**, 13,	4.5	16
261	Development and Characterization of Cornstarch-Based Bioplastics Packaging Film Using a Combination of Different Plasticizers. *Polymers*, **2021**, 13,	4.5	6
260	Comparative Analysis of Erosive Wear Behaviour of Epoxy, Polyester and Vinyl Esters Based Thermosetting Polymer Composites for Human Prosthetic Applications Using Taguchi Design. *Polymers*, **2021**, 13,	4.5	9
259	Critical Review of Natural Fiber Reinforced Hybrid Composites: Processing, Properties, Applications and Cost. *Polymers*, **2021**, 13,	4.5	12
258	Wheat Biocomposite Extraction, Structure, Properties and Characterization: A Review. *Polymers*, **2021**, 13,	4.5	5
257	Antimicrobial Edible Film Prepared from Bacterial Cellulose Nanofibers/Starch/Chitosan for a Food Packaging Alternative. *International Journal of Polymer Science*, **2021**, 2021, 1-11	2.4	23
256	Effect of alkali treatment of piper betle fiber on tensile properties as biocomposite based polylactic acid: Solvent cast-film method. *Materials Today: Proceedings*, **2021**,	1.4	5
255	Fabrication, Functionalization, and Application of Carbon Nanotube-Reinforced Polymer Composite: An Overview. *Polymers*, **2021**, 13,	4.5	83
254	Characterization of compressed bacterial cellulose nanopaper film after exposure to dry and humid conditions. *Journal of Materials Research and Technology*, **2021**, 11, 896-904	5.5	20
253	Antimicrobial activity, physical, mechanical and barrier properties of sugar palm based nanocellulose/starch biocomposite films incorporated with cinnamon essential oil. *Journal of Materials Research and Technology*, **2021**, 11, 144-157	5.5	25
252	Polyhydroxyalkanoates for Packaging Application **2021**, 279-293		3
251	Manufacturing of Biobased Packaging Materials **2021**, 295-318		
250	Physical Properties of Thermoplastic Starch Derived from Natural Resources and Its Blends: A Review. *Polymers*, **2021**, 13,	4.5	32
249	Socioeconomic Impact of Bio-Based Packaging Bags **2021**, 427-435		1
248	Nanocellulose Reinforced Polypropylene and Polyethylene Composite for Packaging Application **2021**, 133-150		6
247	Critical Determinants of Household Electricity Consumption in a Rapidly Growing City. *Sustainability* , **2021**, 13, 4441	3.6	24
246	Reuse and Recycle of Biobased Packaging Products **2021**, 413-426		1
245	Regulations for Food Packaging Materials **2021**, 467-494		1

244	Properties and Food Packaging Application of Poly-(Lactic) Acid **2021**, 245-263		0
243	Performance evaluation of cellulose nanofiber reinforced polymer composites. *Functional Composites and Structures*, **2021**, 3, 024001	3.5	19
242	Renewable Sources for Packaging Materials **2021**, 353-370		
241	Utilization of Rice Straw as a Raw Material for Food Packaging **2021**, 205-224		1
240	Life Cycle Assessment of Bio-Based Packaging Products **2021**, 381-411		0
239	Flammability, Tensile, and Morphological Properties of Oil Palm Empty Fruit Bunches Fiber/Pet Yarn-Reinforced Epoxy Fire Retardant Hybrid Polymer Composites. *Polymers*, **2021**, 13,	4.5	28
238	Polylactic Acid (PLA) Biocomposite: Processing, Additive Manufacturing and Advanced Applications. *Polymers*, **2021**, 13,	4.5	68
237	Environmental Advantages and Challenges of Bio-Based Packaging Materials **2021**, 371-380		1
236	Nanocellulose Composite Films for Packaging Applications **2021**, 193-204		
235	Sustainable Paper-Based Packaging **2021**, 225-244		1
234	Delamination and Manufacturing Defects in Natural Fiber-Reinforced Hybrid Composite: A Review. *Polymers*, **2021**, 13,	4.5	29
233	Processing and Characterisation of Banana Leaf Fibre Reinforced Thermoplastic Cassava Starch Composites. *Polymers*, **2021**, 13,	4.5	17
232	Effects of the liquid natural rubber (LNR) on mechanical properties and microstructure of epoxy/silica/kenaf hybrid composite for potential automotive applications. *Journal of Materials Research and Technology*, **2021**, 12, 1026-1038	5.5	21
231	Optimization of FFF Process Parameters by Naked Mole-Rat Algorithms with Enhanced Exploration and Exploitation Capabilities. *Polymers*, **2021**, 13,	4.5	20
230	Kenaf Fiber/Pet Yarn Reinforced Epoxy Hybrid Polymer Composites: Morphological, Tensile, and Flammability Properties. *Polymers*, **2021**, 13,	4.5	14
229	Polymer Composites Filled with Metal Derivatives: A Review of Flame Retardants. *Polymers*, **2021**, 13,	4.5	38
228	Effect of fibre contents toward manufacturing defects and interfacial adhesion of Arenga Pinnata fibre reinforced fibreglass/kevlar hybrid composite in boat construction. *Journal of Physics: Conference Series*, **2021**, 1960, 012022	0.3	0
227	A Review on Mechanical Performance of Hybrid Natural Fiber Polymer Composites for Structural Applications. *Polymers*, **2021**, 13,	4.5	39

226	Natural Fiber Reinforced Composite Material for Product Design: A Short Review. *Polymers*, **2021**, 13,	4.5	34
225	Mechanical and Dynamic Mechanical Analysis of Bio-based Composites **2021**, 49-76		1
224	Chemical Pretreatment of Lignocellulosic Biomass for the Production of Bioproducts: An Overview **2021**,		8
223	Recent developments in sustainable arrowroot (Maranta arundinacea Linn) starch biopolymers, fibres, biopolymer composites and their potential industrial applications: A review. *Journal of Materials Research and Technology*, **2021**, 13, 1191-1219	5.5	23
222	Effect of hydrolysis time on the morphological, physical, chemical, and thermal behavior of sugar palm nanocrystalline cellulose (Arenga pinnata (Wurmb.) Merr). *Textile Reseach Journal*, **2021**, 91, 152-167	1.7	86
221	Characteristic of composite bioplastics from tapioca starch and sugarcane bagasse fiber: Effect of time duration of ultrasonication (Bath-Type). *Materials Today: Proceedings*, **2021**, 46, 1626-1630	1.4	22
220	Effect of winding orientation on energy absorption and failure modes of filament wound kenaf/glass fibre reinforced epoxy hybrid composite tubes under intermediate-velocity impact (IVI) load. *Journal of Materials Research and Technology*, **2021**, 10, 1-14	5.5	18
219	Characterization, Thermal and Antimicrobial Properties of Hybrid Cellulose Nanocomposite Films with in-Situ Generated Copper Nanoparticles in Tamarindus indica Nut Powder. *Journal of Polymers and the Environment*, **2021**, 29, 1134-1142	4.5	18
218	Application of biocomposites in automotive components: A review **2021**, 1-17		4
217	Implementation of design for sustainability in developing trophy plaque using green kenaf polymer composites **2021**, 85-103		2
216	Potential of Natural Fiber Reinforced Polymer Composites in Sandwich Structures: A Review on Its Mechanical Properties. *Polymers*, **2021**, 13,	4.5	88
215	Effect of fiber content and their hybridization on bending and torsional strength of hybrid epoxy composites reinforced with carbon and sugar palm fibers. *Polimery*, **2021**, 66, 36-43	3.4	21
214	Application of polymer composite materials in motorcycles: A comprehensive review **2021**, 401-426		6
213	Micro- and Nanocellulose in Polymer Composite Materials: A Review. *Polymers*, **2021**, 13,	4.5	94
212	Water barrier and mechanical properties of sugar palm crystalline nanocellulose reinforced thermoplastic sugar palm starch (TPS)/poly(lactic acid) (PLA) blend bionanocomposites. *Nanotechnology Reviews*, **2021**, 10, 431-442	6.3	19
211	Green conceptual design toward design for environmental sustainability **2021**, 3-23		2
210	A comprehensive review of natural fiber reinforced polymer biocomposites and their applications **2021**, 287-305		1
209	Development of Roselle Fiber-Reinforced Polymer Biocomposite Mug Pad Using the Hybrid Design for Sustainability and Pugh Method **2021**, 197-213		1

208	Recent development in kenaf (Hibiscus cannabinus)-based biocomposites and their potential industrial applications: A review **2021**, 329-368		
207	Performance evaluation of cellulose nanofiber reinforced polypropylene biocomposites for automotive applications **2021**, 199-215		5
206	The Influence of Fiber Size Toward Mechanical and Thermal Properties of Roselle Fiber-Reinforced Polylactide (PLA) Composites by Using Ansys Software **2021**, 237-258		
205	Correlation of manufacturing defects and impact behaviors of kenaf fiber reinforced hybrid fiberglass/Kevlar polyester composite. *Polimery*, **2021**, 66, 30-35	3.4	2
204	Corn Starch () Biopolymer Plastic Reaction in Combination with Sorbitol and Glycerol. *Polymers*, **2021**, 13,	4.5	19
203	Emerging development of nanocellulose as an antimicrobial material: an overview. *Materials Advances*, **2021**, 2, 3538-3551	3.3	26
202	Macro to nanoscale natural fiber composites for automotive components: Research, development, and application **2021**, 51-105		2
201	Roselle: Production, Product Development, and Composites **2021**, 1-23		1
200	Application of Design for Sustainability to Develop Smartphone Holder Using Roselle Fiber-Reinforced Polymer Composites **2021**, 177-196		0
199	A Comprehensive Review on Advanced Sustainable Woven Natural Fibre Polymer Composites. *Polymers*, **2021**, 13,	4.5	56
198	A Review on Natural Fiber Reinforced Polymer Composite for Bullet Proof and Ballistic Applications. *Polymers*, **2021**, 13,	4.5	92
197	Mechanical properties under quasi-static loading of the core made of flax/poly(lactic acid) composite. *Polimery*, **2021**, 66, 193-197	3.4	2
196	Development and Characterization of Physical Modified Pearl Millet Starch-Based Films. *Foods*, **2021**, 10,	4.9	17
195	Characterization of the density and mechanical properties of corn husk fiber reinforced polyester composites after exposure to ultraviolet light. *Functional Composites and Structures*, **2021**, 3, 034001	3.5	5
194	Unraveling the Bioactive Profile, Antioxidant and DNA Damage Protection Potential of Rye () Flour. *Antioxidants*, **2021**, 10,	7.1	6
193	Development and Characterization of Fenugreek Protein-Based Edible Film. *Foods*, **2021**, 10,	4.9	11
192	Reflections on Local Community Identity by Evaluating Heritage Sustainability Protection in Jugra, Selangor, Malaysia. *Sustainability*, **2021**, 13, 8705	3.6	17
191	Thermogravimetric Analysis Properties of Cellulosic Natural Fiber Polymer Composites: A Review on Influence of Chemical Treatments. *Polymers*, **2021**, 13,	4.5	33

190	Effect of Nanofillers on Tribological Properties of Polymer Nanocomposites: A Review on Recent Development. *Polymers*, **2021**, 13,	4.5	19
189	Recent Trends and Developments in Conducting Polymer Nanocomposites for Multifunctional Applications. *Polymers*, **2021**, 13,	4.5	31
188	Greener Pretreatment Approaches for the Valorisation of Natural Fibre Biomass into Bioproducts. *Polymers*, **2021**, 13,	4.5	19
187	Mechanical Performance and Applications of CNTs Reinforced Polymer Composites-A Review. *Nanomaterials*, **2021**, 11,	5.4	26
186	Cationic Nanocellulose as Promising Candidate for Filtration Material of COVID-19: A Perspective **2021**,		6
185	Effect of plasticizers on physical, thermal, and tensile properties of thermoplastic films based on Dioscorea hispida starch. *International Journal of Biological Macromolecules*, **2021**, 185, 219-228	7.9	17
184	Critical Review of Biodegradable and Bioactive Polymer Composites for Bone Tissue Engineering and Drug Delivery Applications. *Polymers*, **2021**, 13,	4.5	35
183	Thermal Stability and Dynamic Mechanical Analysis of Benzoylation Treated Sugar Palm/Kenaf Fiber Reinforced Polypropylene Hybrid Composites. *Polymers*, **2021**, 13,	4.5	4
182	Effect of Chemically Treated Kenaf Fibre on Mechanical and Thermal Properties of PLA Composites Prepared through Fused Deposition Modeling (FDM). *Polymers*, **2021**, 13,	4.5	10
181	Assessment of Dimensional Stability, Biodegradability, and Fracture Energy of Bio-Composites Reinforced with Novel Pine Cone. *Polymers*, **2021**, 13,	4.5	12
180	Dynamic Mechanical Properties and Thermal Properties of Longitudinal Basalt/Woven Glass Fiber Reinforced Unsaturated Polyester Hybrid Composites. *Polymers*, **2021**, 13,	4.5	5
179	Preparation and characterization of starch-based biocomposite films reinforced by Dioscorea hispida fibers. *Journal of Materials Research and Technology*, **2021**, 15, 1342-1355	5.5	10
178	Unraveling the efficacy of different treatments towards suppressing limonin and naringin content of Kinnow juice: An innovative report. *LWT - Food Science and Technology*, **2021**, 152, 112341	5.4	3
177	Unidirectional oil palm empty fruit bunch (OPEFB) fiber reinforced epoxy composite car bumper beamEffects of different fiber orientations on its crash performance **2021**, 233-253		1
176	Thermal properties of sugar palm yarn reinforced unsaturated polyester composites as an alternative for automotive applications **2021**, 19-49		1
175	Mechanical, morphological, and fracture-deformation behavior of MWCNTs-reinforced (AlCuMgT351) alloy cast nanocomposites fabricated by optimized mechanical milling and powder metallurgy techniques. *Nanotechnology Reviews*, **2021**, 11, 65-85	6.3	6
174	Flammability and physical stability of sugar palm crystalline nanocellulose reinforced thermoplastic sugar palm starch/poly(lactic acid) blend bionanocomposites. *Nanotechnology Reviews*, **2021**, 11, 86-95	6.3	6
173	Study of mode II interlaminar fracture toughness of laminated composites of glass and jute fibres in epoxy for structural applications. *Functional Composites and Structures*, **2021**, 3, 044002	3.5	3

172	Potential Application of Green Composites for Cross Arm Component in Transmission Tower: A Brief Review. *International Journal of Polymer Science*, **2020**, 2020, 1-15	2.4	47
171	Effects of Benzoyl Treatment on NaOH Treated Sugar Palm Fiber: Tensile, Thermal, and Morphological Properties. *Journal of Materials Research and Technology*, **2020**, 9, 5805-5814	5.5	24
170	Cutting Processes of Natural Fiber-Reinforced Polymer Composites. *Polymers*, **2020**, 12,	4.5	12
169	Experimental and numerical investigation of the mechanical behavior of full-scale wooden cross arm in the transmission towers in terms of load-deflection test. *Journal of Materials Research and Technology*, **2020**, 9, 7937-7946	5.5	6
168	Materials selection of "green" natural fibers in polymer composite automotive crash box using DMAIC approach in Six Sigma method. *Journal of Engineered Fibers and Fabrics*, **2020**, 15, 155892502092077	0.9	2
167	Nanocellulose Reinforced Thermoplastic Starch (TPS), Polylactic Acid (PLA), and Polybutylene Succinate (PBS) for Food Packaging Applications. *Frontiers in Chemistry*, **2020**, 8, 213	5	89
166	Sodium Hydroxide Treatment of Waste Rubber Crumb and Its Effects on Properties of Unsaturated Polyester Composites. *Applied Sciences (Switzerland)*, **2020**, 10, 3913	2.6	7
165	Microstructure evolution and hardness of MWCNT-reinforced Sn-5Sb/Cu composite solder joints under different thermal aging conditions. *Microelectronics Reliability*, **2020**, 110, 113681	1.2	13
164	Effect of ultrasonication duration of polyvinyl alcohol (PVA) gel on characterizations of PVA film. *Journal of Materials Research and Technology*, **2020**, 9, 2477-2486	5.5	56
163	Conceptual design of multi-operation outdoor flexural creep test rig using hybrid concurrent engineering approach. *Journal of Materials Research and Technology*, **2020**, 9, 2357-2368	5.5	38
162	Woods and composites cantilever beam: A comprehensive review of experimental and numerical creep methodologies. *Journal of Materials Research and Technology*, **2020**, 9, 6759-6776	5.5	77
161	Interfaces in sugar palm fibres reinforced composites **2020**, 199-217		2
160	Characterization studies of biopolymeric matrix and cellulose fibres based composites related to functionalized fibre-matrix interface **2020**, 29-93		22
159	Evaluation of Design and Simulation of Creep Test Rig for Full-Scale Crossarm Structure. *Advances in Civil Engineering*, **2020**, 2020, 1-10	1.3	18
158	Integration of TRIZ, morphological chart and ANP method for development of FRP composite portable fire extinguisher. *Polymer Composites*, **2020**, 41, 2917-2932	3	49
157	A Review on Nanocellulose Composites in Biomedical Application **2020**, 161-190		7
156	Effect of fiber orientation and fiber loading on the mechanical and thermal properties of sugar palm yarn fiber reinforced unsaturated polyester resin composites. *Polimery*, **2020**, 65, 115-124	3.4	29
155	Electrical properties of sugar palm nanocrystalline cellulose, reinforced sugar palm starch nanocomposites. *Polimery*, **2020**, 65, 363-370	3.4	27

154	Creep test rig for cantilever beam: Fundamentals, prospects and present views. *Journal of Mechanical Engineering and Sciences*, **2020**, 14, 6869-6887	2	22
153	The Hip Joint and Total Hip Replacement **2020**, 1-30		0
152	Conceptual Design of Kenaf Fiber Reinforced Polymer Composite Chair with Input from Anthropometric Data **2020**, 141-160		
151	Medical Rubber Glove Waste As Potential Filler Materials in Polymer Composites **2020**, 191-206		0
150	Extraction and Characterization of Malaysian Cassava Starch, Peel, and Bagasse, and Selected Properties of the Composites **2020**, 267-283		
149	Characterization of Corn Fiber-Filled Cornstarch Biopolymer Composites **2020**, 285-301		0
148	Antimicrobial Studies on Food Packaging Materials **2020**, 141-170		2
147	Conceptual Design of Composite Crutches **2020**, 117-140		
146	Tensile Properties of Sugar Palm Fiber-Reinforced Polymer Composites **2020**, 243-266		1
145	The Effects of Unbleached and Bleached Nanocellulose on the Thermal and Flammability of Polypropylene-Reinforced Kenaf Core Hybrid Polymer Bionanocomposites. *Polymers*, **2020**, 13,	4.5	34
144	The Role of Microbial Electrolysis Cell in Bioenergy Production: Current Applications and Pilot Plant Experiences **2020**, 323-342		0
143	A Review of Biocomposites in Biomedical Application **2020**, 31-48		1
142	Essential Factors for Performance Improvement and the Implementation of Microbial Electrolysis Cells (MECs) **2020**, 139-168		3
141	Effect of cogon grass fibre on the thermal, mechanical and biodegradation properties of thermoplastic cassava starch biocomposite. *International Journal of Biological Macromolecules*, **2020**, 146, 746-755	7.9	80
140	Sugar palm (Arenga pinnata [Wurmb.] Merr) starch films containing sugar palm nanofibrillated cellulose as reinforcement: Water barrier properties. *Polymer Composites*, **2020**, 41, 459-467	3	93
139	Thermal, Biodegradability and Water Barrier Properties of Bio-Nanocomposites Based on Plasticised Sugar Palm Starch and Nanofibrillated Celluloses from Sugar Palm Fibres. *Journal of Biobased Materials and Bioenergy*, **2020**, 14, 234-248	1.4	71
138	Thermal properties of treated sugar palm yarn/glass fiber reinforced unsaturated polyester hybrid composites. *Journal of Materials Research and Technology*, **2020**, 9, 1606-1618	5.5	84
137	Preparation and characterization of cornhusk/sugar palm fiber reinforced Cornstarch-based hybrid composites. *Journal of Materials Research and Technology*, **2020**, 9, 200-211	5.5	33

136	Crashworthiness performance of hybrid kenaf/glass fiber reinforced epoxy tube on winding orientation effect under quasi-static compression load. *Defence Technology*, **2020**, 16, 1051-1061	3	14
135	Mechanical Properties of Longitudinal Basalt/Woven-Glass-Fiber-reinforced Unsaturated Polyester-Resin Hybrid Composites. *Polymers*, **2020**, 12,	4.5	50
134	Quasi-static compression behaviour of interlocking core structures made of flax fibre reinforced polylactic acid composite. *Journal of Materials Research and Technology*, **2020**, 9, 12065-12070	5.5	7
133	Antimicrobial Activities of Starch-Based Biopolymers and Biocomposites Incorporated with Plant Essential Oils: A Review. *Polymers*, **2020**, 12,	4.5	61
132	Conceptual design of the cross-arm for the application in the transmission towers by using TRIZ morphological chart ANP methods. *Journal of Materials Research and Technology*, **2020**, 9, 9182-9188	5.5	16
131	The Effects of Silver Nanoparticles Compositions on the Mechanical, Physiochemical, Antibacterial, and Morphology Properties of Sugar Palm Starch Biocomposites for Antibacterial Coating. *Polymers* , **2020**, 12,	4.5	39
130	Natural Polylactic Acid-Based Fiber Composites: A Review **2020**, 21-34		4
129	Processing and Characterization of Cornstalk/Sugar Palm Fiber Reinforced Cornstarch Biopolymer Hybrid Composites **2020**, 35-46		1
128	Development and Processing of PLA, PHA, and Other Biopolymers **2020**, 47-63		3
127	Nanocellulose/Starch Biopolymer Nanocomposites: Processing, Manufacturing, and Applications **2020**, 65-88		16
126	Mechanical Testing of Sugar Palm Fiber Reinforced Sugar Palm Biopolymer Composites **2020**, 89-110		3
125	Properties and Characterization of PLA, PHA, and Other Types of Biopolymer Composites **2020**, 111-138		10
124	The effect of water immersion and fibre content on properties of corn husk fibres reinforced thermoset polyester composite. *Polymer Testing*, **2020**, 91, 106751	4.5	54
123	Improvement of Biocomposite Properties Based Tapioca Starch and Sugarcane Bagasse Cellulose Nanofibers. *Key Engineering Materials*, **2020**, 849, 96-101	0.4	27
122	Characterization Study of Empty Fruit Bunch (EFB) Fibers Reinforcement in Poly(Butylene) Succinate (PBS)/Starch/Glycerol Composite Sheet. *Polymers*, **2020**, 12,	4.5	53
121	Biopolymers and Biocomposites: Chemistry and Technology. *Current Analytical Chemistry*, **2020**, 16, 500-503	1.7	64
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