

SECTION C: Quantity and Quality of Research

1. Publications

a. Total number of publications in citation-indexed journals including refereed proceedings

NO	AUTHORS	ARTICLE TITLE	JOURNAL TITLE	VOLUME	ISSUE	PAGES	IMPACT FACTOR	INDEXING
1	Ika Heriansyah, Hazandy Abdul hamid, Ahmad Ainuddin Nuruddin, Ariffin Abdu , Shamsudin Ibrahim	Measuring the Short-term Success of Hill Dipterocarp Forest Restoration: The Use of Organic Materials	Journal of Agricultural Science	5	1	-	-	Scopus
2	Aiza Shaliha Jamaluddin, Arifin Abdu, Hazandy Abdul-Hamid , Mohd Hadi Akbar, Trevor Saga Banga, Shamshuddin Jusop and Nik Muhammad Majid	Assessing Soil Fertility Status of Rehabilitated Degraded Tropical Rainforest	American Journal of Environmental Science	9	3	280-291	-	Scopus
3	Daljit Singh Karam, A. Arifin , O. Radziah, J. Shamshuddin, Hazandy Abdul-Hamid , Nik M. Majid, I. Zahari, Nor Halizah Ab. Halim and Cheng Kah Yen	Evaluation of soil biological properties of 9- and 15- year-old stands in the oil palm plantation in Perak, Malaysia	African Journal of Agricultural Research	8	29	3904-3910	-	Scopus
4	Keeren Sundara Rajoo, Arifin Abdu, Hazandy Abdul-Hamid , Daljit Singh Karam, Shamshuddin Jusop, Aiza-Shaliha Jamaluddin and Wong Wan Zhen	Assessment of Heavy Metals Uptake and Translocation by Aquilaria Malaccensis Planted in Soils Containing Sewage Sludge	American Journal of Applied Sciences	10	9	952-964	-	Scopus
5	Mohd Hadi-Akbar Basri1, Nasima Junejo, Arifin Abdu, Hazandy Abdul Hamid and Mohd Ashadie Kusno	Elevation and variability of acidic sandy soil pH: Amended with conditioner, activator, organic and inorganic fertilizers	African Journal of Agricultural Research	8	29	4020-4024	-	Scopus
1	Aji, I.S., Zainudin, E.S. , Khairul, M.Z., Abdan, K., Sapuan, S.M.	Induced tensile properties with EB- cross linking of hybridized kenaf/palp reinforced HDPE composite	Pertanika Journal of Science and Technology	12	1	135 - 140	-	Scopus
2	Aisyah, H.A., Paridah, M.T. , Sahri, M.H., Anwar, U.M.K., Astimar, A.A.	Properties of Medium Density Fibreboard (MDF) from Kenaf (Hibiscus cannabinus L.) Core as Function of Refining Conditions	Composites Part B: Engineering	1	44	592-596	1.763	Scopus
3	Chin, K.L., H'ng, P.S., Chai, E.W., Tey, B.T., Chin, M.J., Paridah, M.T. , Luqman, A.C., Maminski, M.	Fuel Characteristics of Solid Biofuel Derived from Oil Palm Biomass and Fast Growing Timber Species in Malaysia	Bioenergy Research	6	1	75 - 82	3.562	Scopus
4	Norul Izani, M.A., Paridah, M.T. , Anwar, U.M.K., Mohd Nor, M.Y., H'ng, P.S.	Effects of fiber treatment on morphology, tensile and thermogravimetric analysis of oil palm empty fruit bunches fibers	Composites Part B: Engineering	45	1	1251 - 1257	1.731	Scopus
5	Amel, B.A., Paridah, M.T. , Sudin, R., Anwar, U.M.K., Hussein, A.S.	Effect of fiber extraction methods on some properties of kenaf bast fiber	Industrial Crops and Products	46	-	117 - 123	2.469	Scopus
6	Hoong, Y.B., Paridah, M.T.	Development a new method for pilot scale production of high grade oil palm plywood: Effect of hot-pressing time	Materials and Design	45	-	142 - 147	2.200	Scopus

7	MD Nayeri, MT Paridah , J Harun, LC Abdullah, ES Bakar, M Jawaid, F Namvar	Effects of Temperature and Time on the Morphology, pH, and Buffering Capacity of Bast and Core Kenaf Fibres	BioResources	8	2	1801-1802	1.328	Scopus
8	Lukmanul Hakim Zaini, Mehdi Jonoobi, Paridah Md. Tahir and Samenah Karimi	Isolation and Characterization of Cellulose Whiskers from Kenaf (<i>Hibiscus cannabinus</i> L.) Bast Fibers	Journal of Biomaterials and Nanobiotechnology	4	-	37 - 44	-	ISI Thomson
9	Ng, S.H., Tahir, P.M. , Mohamad, R., Abdullah, L.C., Choo, A.C.Y., Liong, Y.Y.	Effect of pretreatment process on bioconversion of kenaf (<i>hibiscus cannabinus</i> L.) core to glucose	BioResources	8	2	2010 - 2017	1.328	Scopus
10	Naghdi, R., Karimi, A.N. , Latibari, A.J., Hamzeh, Y., Mirshokraie, S.A., Nadali, E.	Biological removal of chloro-organic compounds from bagasse soda pulp bleaching effluent by <i>Coriolus versicolor</i>	Global Nest Journal	15	1	29 - 36	0.536	Scopus
11	Abdulkhani, A., Hojati Marvast, E., Ashori, A., Karimi, A.N.	Effects of dissolution of some lignocellulosic materials with ionic liquids as green solvents on mechanical and physical properties of composite films	Carbohydrate Polymers	95	1	57 - 63	3.628	Scopus
12	Mohamad Haafiz, M.K., Eichhorn, S.J., Hassan, A., Jawaid, M.	Isolation and characterization of microcrystalline cellulose from oil palm biomass residue	Carbohydrate Polymers	93	-	628 - 634	3.628	Scopus
13	Hassan, A., Ken, L.S., Jawaid, M.	Flame Retardancy and Kinetic Behavior of Ammonium Polyphosphate-Treated Unsaturated Polyester/Phenolic Interpenetrating Polymer Network	International Journal of Polymer Analysis and Characterization	18	-	137 - 145	1.412	Scopus
14	Majeed, K., Jawaid, M. , Hassan, A., Abu Bakar, A., Abdul Khalil, H.P.S., Salema, A.A., Inuwa, I.	Potential materials for food packaging from nanoclay/natural fibres filled hybrid composites	Materials and Design	46	-	391 - 410	2.200	Scopus
15	Abozar Akbari, M. Jawaid , Azman Hassan and Harinthaaravimal Balakrishnan	Epoxidized natural rubber toughened polylactic acid/talc composites: Mechanical, thermal, and morphological properties	Journal of Composite Materials	-	-	-	1.068	Scopus
16	R Dungani, M Jawaid , HPSA Khalil, J Jasni, S Aprilia, KR Hakeem, S Hartati ...	A Review on Quality Enhancement of Oil Palm Trunk Waste by Resin Impregnation: Future Materials	BioResources	8	2	3136 - 3156	1.328	Scopus
17	Reah Farzad, Ama Hassa, M Jawaid and Mam Piah	Mechanical Properties of Alumina Trihydrate Filled Polypropylene/Ethylene Propylene Diene Monomer Composites for Cable Applications	Sains Malaysiana	42	6	801 - 810	0.268	Scopus
18	Asyadi, F., Jawaid, M. , Hassan, A., Wahit, M.U.	Mechanical Properties of Mica-Filled Polycarbonate/Poly(Acrylonitrile-Butadiene-Styrene) Composites	Polymer - Plastics Technology and Engineering	52	7	727 - 736	1.279	Scopus

19	CKA Che Ku Alam, M. Jawaid , AK Shawkataly, NF Mohd Rawi	Termite and borer resistance of oil palm wood treated with phenol formaldehyde resin	Journal of Industrial Research & Technology	3	1	41 - 46	-	Scopus
20	Atika Ismail, A. Hassan, Aznizam A. Abubakar, M. Jawaid	Flame retardancy and mechanical properties of kenaf filled Polypropylene (PP) containing ammonium polyphosphate	Sains Malaysiana	42	4	429 - 434	0.268	Scopus
21	Ismael, Azman Hassan, M. Jawaid	Effect of NR/ENR-50 (90/10) on Mechanical and Thermal properties of Metallocene Linear Low density Polyethylene	Journal of Polymer Materials	30	1	117 - 130	0.318	Scopus
22	Ahmad Adlie Shamsuri and Rusli Daik	Utilization of an Ionic Liquid/Urea Mixture as a Physical Coupling Agent for Agarose/Talc Composite Films	Materials	6	-	682 - 698	1.677	Scopus
23	Sahari, J., Sapuan, S.M. , Zainudin, E.S., Maleque, M.A.	Thermo-mechanical behaviors of thermoplastic starch derived from sugar palm tree (Arenga pinnata)	Carbohydrate Polymers	92	-	1711 - 1716	3.628	Scopus
24	D. Bachtiar, S.M. Sapuan , E.S. Zainudin, A. Khalina and K.Z.H.M. Dahlan	Thermal Properties of Alkali-treated Sugar Palm Fibre Reinforced High Impact Polystyrene Composites	Pertanika Journal of Science & Technology	21	1	141 - 150	-	Scopus
25	J. Sahari, S.M. Sapuan , E.S. Zainudin and M.A. Maleque	Mechanical and Thermal properties of Environmentally Friendly Composites Derived from Sugar Palm Tree	Materials and Design	49	-	285-289	2.200	Scopus
26	M.D. Azaman, S.M. Sapuan , S. Sulaiman, E.S. Zainudin , K. Abdan , M.R. Mansor	An Investigation of the Processability of Natural Fibre Reinforced Polymer Composites on Shallow and Flat Thin-Walled Parts by Injection Moulding process	Materials and Design	50	-	451 - 456	2.200	Scopus
27	L. Yusriah, S. M. Sapuan , E. S. Zainudin and M. Mariatti	Effect of Alkali Treatment on the Tensile Behavior and Structure of Betel Nut (Areca Catechu.) Husk Fiber	Advanced Materials Research	701	-	239 - 242	-	Scopus
28	S Sapuan , Z Lemah and AH Ibrahim	Tensile Properties of Impregnated Sugar Palm (Arenga pinnata) Fibre Composite Filled Thermosetting Polymer Composites	Advanced Materials Research	701	-	8 - 11	-	Scopus
29	D Bachtiar, SM Sapuan , ES Zainudin, A Khalina, KZHM Dahlan	Thermal Properties of Alkali-Treated Sugar Palm Fibre Reinforced High Impact Polystyrene Composites	Pertanika Journal of Science & Technology	21	1	141 - 150	-	Scopus

30	Maizatul, N., Norazowa, I., Yunus, W.M.Z.W., Khalina, A. , Khalisanni, K.	FTIR and TGA analysis of biodegradable poly(lactic acid)/treated kenaf bast fibre: Effect of plasticizers	Pertanika Journal of Science and Technology	21	1	151 - 160	-	Scopus
31	A. Bakar, B.F., Hiziroglu, S. , Md Tahir, P.	Properties of some thermally modified wood species	Materials and Design	43	-	348 - 355	2.200	Scopus
32	HPS Khalil , NA Aprilia, AH Bhat, M Jawaid, MT Paridah , D Rudi	A Jatropha biomass as renewable materials for biocomposites and its applications	Renewable and Sustainable Energy Reviews	22	-	667 - 685	6.018	Scopus
33	HPS Abdul Khalil , HM Fizree, AH Bhat, M Jawaid , CK Abdullah	Development and Characterization of Epoxy Nanocomposites Based on Nano-structured Oil Palm Ash	Composites Part B: Engineering	53	-	324-333	1.731	Scopus
34	HPS Abdul Khalil , M Jawaid , P Firoozian, ES Zainudin, MT Paridah	Dynamic Mechanical Properties of Activated Carbon-Filled Epoxy Nanocomposites	International Journal of Polymer Analysis and Characterization	18	4	247 - 256	1.412	Scopus
35	HPSA Khalil , MA Tehrani, Y Davoudpour, AH Bhat, M Jawaid, A Hassan	Natural fiber reinforced poly(vinyl chloride) composites: A review	Journal of Reinforced Plastics and Composites	32	5	330 - 356	0.727	Scopus
36	Ishak, M.R. , Sapuan, S.M. , Leman, Z., Rahman, M.Z.A., Anwar, U.M.K., Siregar, J.P.	Impregnation Modification of Sugar Palm Fibres with Phenol Formaldehyde and Unsaturated Polyester	Fibers and Polymers	14	2	250 - 257	0.836	Scopus
37	Ishak, M.R. , Leman, Z., Salit, M.S. , Rahman, M.Z.A., Anwar Uyup, M.K., Akhtar, R.	IFSS, TG, FT-IR spectra of impregnated sugar palm (Arenga pinnata) fibres and mechanical properties of their composites	Journal of Thermal Analysis and Calorimetry	111	-	1375 - 1383	1.604	Scopus
38	Ishak, M.R. , Sapuan, S.M. , Leman, Z., Rahman, M.Z.A., Anwar, U.M.K., Siregar, J.P.	Sugar palm (Arenga pinnata): Its fibres, polymers and composites	Carbohydrate Polymers	91	2	699-710	3.628	Scopus
39	MR Ishak , Z Leman, SM Sapuan , MZA Rahman, UMK Anwar	Chemical Composition and FT-IR Spectra of Sugar Palm (Arenga pinnata) Fibers Obtained from Different Heights	Journal of Natural Fibers	10	2	83 - 97	0.250	Scopus
40	J. Sahari, S.M. Sapuan, E.S. Zainudin and M.A. Maleque	Flexural and Impact Properties of Biopolymer Derived from Sugar Palm	Advanced Materials Research	701	2013	225-228	-	Scopus
1	Hazwani Husna Abdullah, Ainun Zuriyati Mohamed Asa'ari , Nurul Izzati Mohd Zawawi, Luqman Chuah Abdullah and Sarani Zakaria	Effects of Physical Treatments on the Hydrophobicity of kenaf Whole Stem Paper Surface Using Stearic Acid	Bioresources.com	8	3	4088-4100	1.418	Scopus

2	A. S. Harmaen , A. Khalina, A. R. Faizal and M. Jawaid	Effect of Triacetin on Tensile Properties of Oil Palm Empty Fruit Bunch Fiber-Reinforced Polylactic Acid Composites	Polymer-Plastics Technology and Engineering	52	2013	400-407	1.481	Scopus
3	Mahdavi, M., Namvar, F., Mansoor, A., Rosfarizan, M.	Green Biosynthesis and Characterization of Magnetic Iron Oxide (Fe ₃ O ₄) Nanoparticles Using Seaweed (Sargassum muticum) Aqueous Extract	molecules	18	2013	5954-5964	2.386	Scopus
4	Ansari, S., Abeid, P, Namvar, F. , Dorakvand, M., Rokhafrooz D.	Respect to the Bill of Patients ' Rights in the Educational Hospitals in Ahvaz , Iran	Middle-East Journal of Scientific Research.	13	4	440-444	-	Scopus
5	Rahnama, N., Mamat, S., Md Shah, U. K. , Ling, F. H., Abdul Rahman, N. A., and Ariff, A. B.	Effect of alkali pretreatment of rice straw on cellulase and xylanase production by local Trichoderma harzianum SNRS3 under solid state fermentation	BioResources	8	2	2881-2896	1.418	Scopus
13	Nurul Izzati, M. Z., Asa'ari, A. Z. M., Abdullah, L. C., Abdullah, H. H., Harun, J., Jawaid, M. (2013).	Water absorbency and mechanical properties of kenaf paper blended via a disintegration technique	<i>BioRes</i>	8	4	5570-5580.	1.418	Scopus
14	Mohd Shamzi Mohamed, Joo Shun Tan, Rosfarizan Mohamad , Mohd Noriznan Mokhtar and Arbakariya B. Ariff	Comparative Analyses of Response Surface Methodology and Artificial Neural Network on Medium Optimization for Tetraselmis sp. FTC209 Grown under Mixotrophic Condition	The Scientific World Journal	2013	-	-	8.121	Scopus
1	Yaacob Nor Suhaila, Mohamad Rosfarizan , Siti Aqlima Ahmad, Ibrahim Abdul Latif and Arbakariya B. Ariff	Nutrient and Culture Conditions requirements for the Degradation of Phenol by <i>Rhodococcus</i> UKMP-5M	Journal of Environmental Biology	34	-	635-643	0.682	Scopus
2	Ahmad H. Rajab Aljuboori, Azni Idris , Norhafizah Abdullah, Rosfarizan Mohamad	Production and characterization of a bioflocculant produced by <i>Aspergillus flavus</i>	Bioresource Technology	127	2013	489-493	4.75	Scopus
3	Mahiran Basria, Mohd Azlan Kassima, Rosfarizan Mohamad , Arbakariya B. Ariff	Optimization and kinetic study on the synthesis of palm oil ester using Lipozyme TL IM	Journal of Molecular Catalysis B: Enzymatic	85-86	2013	214-219	2.823	Scopus
4	Gregory F.L.Koay, Teong-Guan Chuah , Thomas S.Y.Choong	Economic feasibility assessment of one and two stages dry fractionation of palm kernel oil	Industrial Crops and Products	49	2013	437-444	2.468	Scopus
5	Ching Yern Chee, Goh Kuan Yong, Luqman Chuah Abdullah and Kalyani Nadarajah	Effect of Nanosilica and Titania on Thermal Stability of Polypropylene/Oil Palm Empty Fruit Fibre Composite	Journal of Biobased Materials and Bioenergy	7	2013	169-175	0.826	Scopus

6	Samaneh Keshani, Wan Ramli Wan Daud, Meng Wai Woo, M.M.Nourouzi, Meor Zainal Meor Talib, A.Luqman Chuah , A.R.Russly	Reducing the deposition of fat and protein covered particles with low energy surfaces	Journal of Food Engineering	116	2013	737-748	2.276	Scopus
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