

PP&PDC Publications: Achievement Statistics- 2023

Scientist- 23; Publication- 13; Scientist: Publication = 0:0.48; Average Impact Factor = 3.39 (Total IF 37.3)

289. Md Rakibul Qadir, Nawshad Haque, Miao Chen, Warren J. Bruckard, and Mark I. Pownceby. "Formal and informal E-waste recycling methods for lithium-ion batteries: advantages and disadvantages," In *Global E-Waste Management Strategies and Future Implications*, DOI: <https://doi.org/10.1016/B978-0-323-99919-9.00017-9>
290. Md. Rakibul Qadir, Miao Chen, Nawshad Haque, and Warren Bruckard. 2023. "Estimated End-of-Life Lithium-Ion Battery Resources for Potential Recycling in Bangladesh." In *New Directions in Mineral Processing, Extractive Metallurgy, Recycling and Waste Minimization*, The Minerals, Metals & Materials Series, DOI: https://doi.org/10.1007/978-3-031-22765-3_16.
291. Tasdik Chowdhury, M. Ahmed, E. Mahdi, M.R. Haque, M.M. Haque, M.A. Gafur, M. Hasan, "An experimental study on mechanical, physical, and thermal properties of waste hair-rattan hybrid fiber-reinforced composite," *Biomass Conversion and Biorefinery* (SCIE and Scopus Journal, **IF: 4**), DOI: <https://link.springer.com/article/10.1007/s13399-023-05179-5>
292. Mahmudul Hasan Khan, Nasim Mahmud Akash, Sonia Akter, Mahe Rukh, Christopher Nzediegwu, and Md Shahinoor Islam. 2023. "A Comprehensive Review of Coconut-Based Porous Materials for Wastewater Treatment and CO₂ Capture." *Journal of Environmental Management* (SCI and Scopus index Q1 journal, **IF: 8.7**), DOI: <https://doi.org/10.1016/j.jenvman.2023.117825>
293. Abul Monsur Mohammed Musa, Md Rasadujjaman, Md Abdul Gafur, and Abu Talib Md Kaosar Jamil. "Synthesis and characterization of dip-coated ZnO–CuO composite thin film for room-temperature CO₂ gas sensing." *Thin Solid Films* (SCI & Scopus Index Q2 Journal, **IF: 2.1**); DOI: <https://doi.org/10.1016/j.tsf.2023.139838>
294. Mohammad Rejaul Haque, Kamrul Hassan Sajib, M. Merajul Haque, Fatema Tuz Zahura, Md Adrito Hasan, Syed Shaheer Uddin Ahmed, Md Fazlay Alam, Mahbub Hasan, and M. A. Gafur. "Mechanical characterization of banana-nylon fibre reinforced Vinyl ester composites." *Advances in Materials and Processing Technologies* (SCI & Scopus Index Q2 Journal, **IF: 2.2**); DOI: <https://doi.org/10.1080/2374068X.2023.2264573>
295. Nafis Abir, Abu Bakr Siddique, Hosne Ara Begum, Md Abdul Gafur, Ayub Nabi Khan, and Md Arif Mahmud. "Effect of fibre loading on mechanical properties of jute fibre bundle reinforced gypsum composites." *Heliyon* (SCIE and Scopus index Q1 journal, **IF: 4**), DOI: <https://doi.org/10.1016/j.heliyon.2023.e18147>
296. FNU Asrafuzzaman, Kazi Faiza Amin, Md. Abdul Gafur, and Fahmida Gulshan. 2023. "Mangifera Indica Mediated Biogenic Synthesis of Undoped and Doped TiO₂ Nanoparticles and Evaluation of Their Structural, Morphological, and Photocatalytic Properties" *Results in Materials* (SCIE and Scopus index Q2 journal, **IF: 4.6**), DOI: <https://doi.org/10.1016/j.rinma.2023.100384>.
297. Md Arif Mahmud, Shah Alimuzzaman Belal, and Md Abdul Gafur. 2023. "Development of a Biocomposite Material Using Sugarcane Bagasse and Modified Starch for Packaging Purposes." *Journal of Materials Research and Technology* (SCIE and Scopus index Q2 journal, **IF: 6.4**), DOI: <https://doi.org/10.1016/j.jmrt.2023.03.083>
298. Sadman Sakib, Mohammad Rejaul Haque, M. Merajul Haque, Farhana Faruqi, Syed Shaheer Uddin Ahmed, Mahbub Hasan, and M. A. Gafur, "Effect of Fibre Orientation and Stacking Sequence on Properties of Hybrid Composites." *Materials Science and Technology* (SCIE and Scopus index Q2 journal, **IF:1.8**); DOI: <https://doi.org/10.1080/02670836.2023.2177803>.
299. Fazlar Rahman, Md Wahid-Saruar, Humayon Kabir Shefa, Md Sakline Rahat, M. Merajul Haque, M. A. Gafur, and S. A. Dhar. 2023. "Effect of Human Hair on Mechanical Properties of Jute and BNH Fiber Reinforced Hybrid Polyester Composites." *Journal of Natural Fibers* (SCIE and Scopus index Q2 journal, **IF: 3.5**); DOI: <https://doi.org/10.1080/15440478.2023.2168820>