

Paper Publication in Scopus Journals/ Books Chapters

Dr M.S Karuna Paper Publications in Scopus Journals

- Manoj Kumar P, **Karuna MS**, Sureshkumar MS, Rinawa ML, Sakthivel R, Muthukumar K, Kathir Malavan E (2023) **Evaluating the effect of magnesium oxide nanoparticles on the thermal energy storage characteristics of the inorganic PCM**. Materials Today: Proceedings. <https://doi.org/10.1016/j.matpr.2023.02.297>. (I.F = 3.2) Citations = 11
- Kumar H, Gaur A & **Karuna MS** (2023) **Synthesis of biodegradable carboxymethyl cellulose film-loaded magnesium nanoparticles**. Emergent materials. 6: 561-571. (I.F = 4.04)
- Gangavathi P, Ramya G, **Karuna MS**, Jeyapiriya K, Magade PB, Manirathnam D (2022) **Influence of nanomaterial coated condensing surface on the productivity of evacuated tube assisted solar still**. Materials Today: Proceedings 69: 853-857. (I.F = 3.2) Citations = 01
- Bohidar SK, Surakasi R, **Karuna MS**, Janardhana K, Louies Praveen S, Narayan P (2022) **Sustainable manufacturing for turning of Inconel 718 using uncoated carbide inserts**. Materials Today: Proceedings. 66: 1196-1200. (I.F = 3.2)
- Mohan Gift MD, Sharun V, Surakasi R, Kannadasan B, **Karuna MS**, Singh MK, Subbiah R (2022) **Study on the impact of Nano-reinforcements on the fatigue strength of adhesive joints**. Materials Today: Proceedings. 62: 5177-5181. (I.F = 3.2) Citations = 2
- Rinawa ML, Chauhan P, Sharma AK, Singh HK, Ankit, **Karuna MS**, Sudhakar M (2022) **An investigation on synthesis, aggregation, and mechanical properties of Al 6082 nanocomposites reinforced by Titanium carbide**. Materials Today: Proceedings. 59: 1526-1532. (I.F = 3.2) Citations = 8
- Rinawa ML, Chauhan P, Sharma AK, Singh HK, Ankit, **Karuna MS** (2022) **Water absorption studies of pineapple leaf fiber/nano rice husk powder reinforced epoxy matrix hybrid composites**. Materials Today: Proceedings. 59: 1498-1502. (I.F = 3.2) Citations = 2
- Vedanarayanan V, Parveen Kumar BS, **Karuna MS**, Jayanthi A, Pradeep Kumar KV, Radha A, Ramkumar G, Christopher D (2022) **Experimental Investigation on Mechanical Behaviour of Kevlar and Ramie Fibre Reinforced Epoxy Composites**. Journal of Nanomaterials. <https://doi.org/10.1155/2022/8802222>. (I.F = 3.791) Citations = 7
- Arul Jose JP, Sharma R, Sharma AK, **Karuna MS**, Rinawa ML, Kumar MNVRL (2022) **Sustainable Concrete Ground Granulated Blast furnace Slag Beam: Numerical Investigation Using Hybrid FRP and GFRP Techniques**. International Journal of Mechanical Engineering. 7: 0974-5823. https://kalaharijournals.com/resources/201-220/IJME_Vol7.1_209.pdf. (I.F = 2.1)
- PremKumar M, Prasanna A, Sharma AK, **Karuna MS**, Sharma A, Rinawa ML (2021) **On Fundamental Algebraic Attributes of $\omega - Q$ -Fuzzy Subring, Normal Subring and Ideal**. International Journal of Mechanical Engineering. 6: 0974-5823. https://kalaharijournals.com/resources/DEC_273.pdf. (I.F = 2.1) Citations = 01
- Rinawa ML, Chauhan P, Sharma AK, Sharma DK, **Karuna MS**, Singh MK (2021) **A Comprehensive Review on Solar Air Heater Heat-Transfer and Friction Characteristics**. J Nucl Ene Sci Power Generat Techno. 10:11. <https://www.scitechnol.com/peer-review/a-comprehensive-review-on-solar-air-heater-heattransfer-and-friction-characteristics-Grly.pdf>. (I.F = 0.155)

- Christopher DS, Atiso TA, Markos M, Jayanthi A, **Karuna MS** (2021) **Thermal Performances Of Hybrid Nano Fluid In A Rectangular Duct**. International Journal for Computational Methods in Engineering Science and Mechanics. 10(12): 23-28. https://www.researchgate.net/publication/359583737_THERMAL_PERFORMANCES_OF_HYBRID_NANO_FLUID_IN_A_RECTANGULAR_DUCT. (I.F = 0.903)
- **Karuna MS**, Upadhyay OP, Majumder S (2018) **Air Quality Index, Ventilation Coefficient And Pollution Potential Studies Over Bareilly City, Uttar Pradesh**. DOI: 10.13140/RG.2.2.33949.82404. (I.F = Nil) Citations = 02
- **Karuna MS**, Upadhyay OP, Saxena DK, Swamy M, Majumder S (2017) **Ambient Air Quality Monitoring And Prediction of Air Pollutants Using ISCST3 And CALINE4 Dispersion Models For Vehicular Emissions At Bareilly, Uttar Pradesh, India**. DOI: 10.9790/2402-1112021429. (I.F = Nil)

Dr M.S Karuna Books Chapters Publication

- Khan H, Yusuf M, Elgharbawy AA, Makarem MA, **Karuna MS** (2023) **Carbon Capture by Ionic Liquids**. Encyclopedia of Renewable Energy, Sustainability, and the Environment. DOI: [10.1016/B978-0-323-93940-9.00005-0](https://doi.org/10.1016/B978-0-323-93940-9.00005-0) Citations = 01
- Vennila T, **Karuna MS**, Srivastava BK, Venugopal J, Surakasi R, Boopathi S (2023) **New Strategies in Treatment and Enzymatic Processes: Ethanol Production From Sugarcane Bagasse**. Human Agro-Energy Optimization for Business and Industry. DOI: 10.4018/978-1-6684-4118-3.ch011. Citations = 31
- Ankit, Rinawa ML, **Karuna MS** (2022) **Green Manufacturing: Benefits, Implementation and Challenges**. Advances in Manufacturing Engineering. DOI: 10.1007/978-981-19-4208-2_29. Citations = 02
- Premkumar M, Bai HG, Prasanna A, Parmar KPS, **Karuna MS**, Rinawa ML (2022) **On Algebraic Characteristics of Fuzzy T-Sub algebra in T-Algebra under the Normalization**. 2022 International Conference on Computational Modelling, Simulation and Optimization (ICCMO). DOI: 10.1109/ICCMO58359.2022.00040.

Dr Harish Kumar Publication

- **Kumar H**, Gaur A & **Karuna MS** (2023) **Synthesis of biodegradable carboxymethyl cellulose film-loaded magnesium nanoparticles**. Emergent materials. 6: 561-571. (I.F = 4.04)