

Dr. S. Indran

List of publications

1. Sumesh, K.R., Kavimani, V., Rajeshkumar, G., Indran, S. & Anish Khan (2020), Mechanical, water absorption and wear characteristics of novel Mechanical, water absorption and wear characteristics of novel polymeric composites: Impact of hybrid natural fibers and oil cake filler addition, *Journal of Industrial Textiles*, Vol. 1, 1–12.
2. Jenish, I., Sathish Gandhi, V. C., Basavarajappa, S., Indran, S., Divya, D., Yucheng Liu, Sanjay, M.R. & Suchart Siengchin (2020), Tribo-Mechanical characterization of carbonized coconut shell micro particle reinforced with *Cissus quadrangularis* stem fiber/ epoxy novel composite for structural application, *Journal of Natural Fibers*, Vol. 6, 1–17.
3. Rajeshkumar, G., Hariharan, V., Indran, S., Sanjay, M.R., Suchart Siengchin, Prakash Maran, J., Naif Abdullah Al-Dhabi & Ponmurugan Karupiah. (2020), Influence of Sodium Hydroxide (NaOH) Treatment on Mechanical Properties and Morphological Behaviour of Phoenix sp. Fiber /Epoxy Composites, *Journal of Polymers and the Environment*, Vol. 1, 1–10.
4. Gurukarthik Babu, B., Princewinston, D., Saravanakumar, S.S., Anish Khan, P.V. Aravind Bhaskar, P.V., Indran, S. & Divya, D. (2020), Investigation on the Physicochemical and Mechanical Properties of Novel Alkali-treated *Phaseolus vulgaris* Fibers, *Journal of Natural Fibers*, Vol. 6, 1–12.
5. Moshi, AAM., Ravindran, D., Sundara Bharathi, S.R., Padma, S.R., Indran, S. & Divya, D. (2020), Characterization of natural cellulosic fiber extracted from *Grewia damine* flowering plant's stem, *International Journal of Biological Macromolecules*, Vol. 164, 1246–1255.
6. Moshi, AAM., Ravindran, D., Sundara Bharathi, S.R., Indran, S. & Suganya Priyadarshini G. (2020), Characterization of surface-modified natural cellulosic fiber extracted from the root of *Ficus religiosa* tree, *International Journal of Biological Macromolecules*, Vol. 156, 997–1006.
7. Moshi, AAM., Ravindran, D., Sundara Bharathi, S.R., Indran, S., Saravanakumar, S.S. & Liu, Y. (2020), Characterization of a new cellulosic natural fiber extracted from the root of *Ficus religiosa* tree, *International Journal of Biological Macromolecules*, Vol. 142, 212–221.
8. Divya, D. Gopinatha, L. R. & Indran, S. (2019) Analysis of the effect of enzyme substitution on feedstock to enhance biogas production, *International Journal of Research and Analytical Reviews*, Vol. 6(2), pp. 964-973.
9. Indran, S., Edwin Raj, R., Daniel, B.S.S. & Binoj, J.S., (2018), “Comprehensive characterization of natural *Cissus Quadrangularis* stem fiber composites as an alternate for conventional FRP composites”, *Journal of Bionic Engineering*, Vol. 15(5), PP. 914–923.
10. Divya, D., Gopinath, L. R., Sreeremya, S., Indran, S., (2018), “Enhancement of Substrate Decomposition through Potential Hydrolytic Bacteria for Cumulative Biogas Production” *International Journal of Applied Science and Biotechnology*, Vol. 6(4), PP. 386-396

11. Binoj, J.S., Edwin Raj, R., & Indran, S., (2018).“Characterization of Tamarindus Indica fruit fibers as potential alternate for man-made vitreous fibers in polymer composites”, Process Safety and Environmental Protection, Vol. 116, PP. 527–534.
12. Indran, S., Edwin Raj, R., Divya, D. & Darish Jeswin Dhas, S. (2016) Mechanical characterization of cissus quadrangularis stem/glass fiber hybrid composites, Global Journal for Research Analysis, Vol. 5, pp. 209-211.
13. Indran, S., Edwin Raj, R., Daniel, B.S.S. & Saravanakumar, S.S. (2015) Cellulose powder treatment on Cissus quadrangularis stem fiber-reinforcement in unsaturated polyester matrix composites, Journal of Reinforced Plastics and Composites, Vol. 35(3), pp. 212-227.
14. Divya, D. Gopinatha, L. R., Indran, S. & Merlin Christy, P. (2015) Enhancement of Biogas Production through Sustainable Feedstock Utilization by Co-Digestion, International Journal of Plant, Animal and Environmental Sciences, Vol. 5(3), pp. 88-94.
15. Indran, S. & Edwin Raj, R. (2015) Characterization of new natural cellulosic fiber from Cissus quadrangularis stem. Carbohydrate Polymers, Vol. 117, pp. 392–399.
16. Indran, S., Edwin Raj, R., & Sreenivasan, V. S. (2014). Characterization of new natural cellulosic fiber from Cissus quadrangularis root. Carbohydrate Polymers, Vol. 110, pp. 423 - 429.
17. Prabhu Stalin, J. R., Jenish, I. & Indran, S. (2014). Tribological characterization of carbon epoxy composite materials with particulate silane treated SiC fillers. Advanced Materials Research, Vol. 984-985, pp. 331-335.
18. Kumaresan, K., Chandramohan, G., Senthilkumar, M., Suresha, B., & Indran, S. (2011). Dry Sliding Wear Behaviour of Carbon Fabric-Reinforced Epoxy Composite with and without Silicon Carbide. Composite Interfaces, Vol. 18, pp. 509–526.