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### **SCI Journals 6**

- 1. R Prithivirajan, P. Narayanasamy, Naif Abdullah, T. Ramkumar, **S Senthil** (2019) Characterization of Musa paradisiaca L. Cellulosic Natural Fibers from Agro-discarded Blossom Petal Waste, Journal of Natural Fibers, (Impact Factor 0.974), In press
- 2. B. Kanimozhi, V. Thamizhmani, V. Pranesh, **S. Senthil** (2019), Kaolinite fines colloidal flow in high temperature porous carbonate media during saline water injection, Journal of Petroleum Science and Engineering, Vol. 175, pp. 775-784 (Impact Factor: 2.382)
- 3. **S. Senthil**, K Murugananthan, A Ramesh (2018), Analysis and prioritisation of risks in a reverse logistics network using hybrid multi-criteria decision making methods, Journal of Cleaner Production, Vol. 179,pp. 716-730 (Impact Factor:5.651)
- 4. MR Sanjay, P Madhu, M Jawaid, P Senthamaraikannan, **S Senthil** (2018), Characterization and properties of natural fiber polymer composites: A comprehensive review, Journal of Cleaner Production, Vol 172,pp. 566-581 (Impact Factor:5.651)
- P Balasundar, P Narayanasamy, P Senthamaraikannan, S. Senthil (2018), Extraction and Characterization of New Natural Cellulosic Chloris barbata Fiber, Journal of Natural Fibers Vol 15,No.3,pp. 436-444 (Impact Factor 0.974)
- 6. **S. Senthil**, B.Srirangacharyulu, A.Ramesh (2014), 'A robust hybrid multi-criteria decision making methodology for contractor evaluation and selection in third party reverse logistics', Expert Systems with Applications, Vol. 141,No.1, 51-55 (Impact Factor: 3.768)

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- 7. **S. Senthil**, S. Mahalingam, S. Ravikumar, V. Pranesh (2019), Adiabatic behaviour of gas wells due to natural reservoir fines migration: analytical model and CFD study, **Journal of Petroleum Exploration and Production Technology**, In press
- 8. V Pranesh, B Rakesh, S Mahalingam, S. Senthil (2019), Comparison of DEA frontier and ranking in performance assessment and optimisation of jatropha and fish oil biodiesel blend in CI engine, Australian Journal of Mechanical Engineering, In press

- 9. P. Balasundar, P. Narayanasamy P, Srikrishna, T. Ramkumar ,S. Senthil (2018), Characterization of Ferric oxide reinforced magnesium nano-composites processed through microwave sintering/powder metallurgy , International Journal of Microstructure and Mechanical Properties ,Vol.13,No.6,pp. 447 453.
- 10. K.P. Naveen Balaji, **S. Senthil** (2016) Economic Snake robot for Surveillance in unreachable areas, International Journal of Advance Research in Science and Engineering, Vol.5, No.10, pp., 60-65.
- 11. V. Ragavanandam, S. Senthil, S.Kanagaraj, T.Shriraman (2015) Experimental Investigation of Usage of alternative fuels in two stroke petrol engine', International Journal of Applied Engineering Research, Vol.10, No.55,Special issue, pp. 3700-3706.
- 12. T. Shriraman **S. Senthil**, V.Ragavanandham (2015)' An innovative design of Automatic match box filling machine' **International Journal of Applied Engineering Research**, Vol.10, No.55, Special issue, pp.3882-3887.
- 13. P. Lakshmi Narayanan, S. Senthil, D. Aruldass James and S. Mani Pandi (2015), An Innovative design of moving railway platform, International Journal of Applied Engineering Research, Vol. 10, No.15, Special issue, pp.838-842.
- 14. V.C. Venkat, **S. Senthil**, R. Sakthivel Murugan, P. Lakshmi Narayanan (2015), An Innovative method for reduction and utilization of atmospheric carbon-di-oxide, **Journal Of Chemical and Pharmaceutical Sciences**, Vol. 7, pp. 236-239.
- 15. **S. Senthil,** R. Sridharan, B. Srirangacharyulu, A.Ramesh (2015), Analysis and Selection of Reverse logistics network design using hybrid multi-criteria decision making method, **International Journal of Applied Engineering Research**, Vol.10, No.4, pp. 9799-9809.
- 16. **S. Senthil,** V.M. Gokulnath (2015), Stamping Layout Evaluation using Multi-Criteria Decision Analysis, **Advances in Natural and Applied Sciences**, Vol. 9, No.6, pp.689-693.
- 17. **S. Senthil,** R. Sridharan. (2014), 'Perspectives and Research Potentials in Reverse logistics-Literature Review'. **International Journal of Research in Engineering and Technology,** Vol.3, No.11, pp.140-144.
- 18. **S. Senthil,** B.Srirangacharyulu, A.Ramesh (2012), 'A decision making methodology for the selection of reverse logistics operating channels', **Procedia Engineering**, Vol. 38, 418-428
- 19. **S. Senthil** (2012), An application of inner product of vectors for selecting suitable material ', **IUP Journal of Mechanical Engineering**, 5 (1), 31-37.
- 20. **S. Senthil**, M.Jaheer Hussain (2010), 'A multi-criteria decision making methodology for material selection using inner product of vectors', **International Journal of Applied Engineering Research**, 41 (5), 753-758.

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- 21. R.Nithish, S.Senthil, P.Narayanasamy(2019), 'Design of Manoeuvrable Trolley for Transportation for wire manufactuing industries', Journal of Material Science and Mechanical Engineering, 6(4), 238-241.
- 22. J. Akash Nirmal kumar, N. Gowtham, S. Senthil (2014), 'Design and Fabrication of Hydrogen powered IC engine, International Review of Applied Engineering Research, 4(5), 423-426.
- 23. **S. Senthil**, G,Gurusaravanan, K. Amudhan, S. Chelladurai (2013), 'A framework for evaluation of material handling equipment', **International Journal of Mechanical Engineering and Research**,3(5)523-528.
- 24. **S. Senthil**, K. Amudhan G. Gurusaravanan (2013), 'A comprehensive study of effect of increasing the wire rope diameter in crawler crane', **International Journal of Engineering Research and Technology**, 6(4), 495-498.
- 25. **S. Senthil**, R.Sebastian Rayon Nixon, V.C. Venkat (2013), 'Rapid Prototyping process evaluation using inner \ product of vectors', **International Journal of Technology and Management**, 6 (1), 501-504.