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- G.Padmanaban, P.K.Palani, S.Dharmalingam, "A Review on Solar dryer performance reaction on products", International Journal of ChemTech Research, CODEN (USA): IJCRGG ISSN: 0974-4290 Vol.8, No.1, pp 098-104, 2015.
- G.Padmanaban , Dr.P.K.Palani ,Dr.P.Mohanraj, "Reaction of developed Solar Dryer on Bitter guard" International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.61 (2015)
- A Anandha Moorthy, M Anantha Kumar, K S Satheesh, N Natarajan, P K Palani, "Prediction of Tribological Properties of AA2218 based Metal Matrix Composites by Artificial Neural Network" International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.62 (2015)
- 4. Ravindra Prasad, **P.K.Palani**, "Study on active vibration control in smart aluminium and mild steel cantilever beams", Int. Journal of Applied Engineering Research, Vol.10, No.4, pp 10233-10251, **2015.**
- G.Padmanaban, P.K.Palani, S.Dharmalingam, "Experimental analysis on mixed mode solar drier, International Journal of Logistics and supply chain management Perspectives, Vol. 4., No. 1, pp. 1502-1507., ISSN (Print) 2319-9032. March 2015
- Arulraj.M , Palani P.K , Venkatesh.L, Optimization of Weld Bead Geometry in Tig Welding of Copper Matrix Composite using Response Surface Methodology International Journal of TechnoChem Research ISSN:2395-4248 www.technochemsai.com Vol.01, No.03, pp135-143, 2015
- G.Padmanaban, Dr.P.K.Palani, Dr.S.Dharmalingam, T.Florence, "Performance study of developed Solar Dryer on Copra", Journal Of Applied Sciences Research, 11(14): pages 138-143, Sep. 2015
- 8. Mohammed Al Riyaz, **Dr.P.K.Palani**, "Factors involved in the Design of Dye Sensitized Solar Cell", Int. Journal of Scientific Research & Development, Vol. 3, (11) pp 108 113. Impact Factor: 2.39., **Jan 2016**

- G.Padmanaban, Dr.P.k.Palani, Dr.S.Dharmalingam "Reaction of developed Solar Dryer on Grapes" JOURNAL OF APPLIED SCIENCES RESEARCH ISSN: 1819-544X EISSN: 1816-157X, 11(23): pages 149-154. Dec 2015
- V.P.Srinivasan, P.K.Palani, "Optimisation of machining parameters in electrical discharge machining of Tungsten carbide using diatomite powder-mixed dielectric fluid based on Taguchi method, Journal of Applied Sciences Research, ISSN: 1819-544X, 11(22), pp 24-29. Nov 2015.
- 11. Arulraj.M, **Palani P.K,** Venkatesh.L, "Experimental Investigation on Dry Sliding Wear Behaviour of Hybrid Metal Matrix (Al-Al2o3-B4c) Composite", International Journal of ChemTech Research CODEN (USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555, Vol.9, No.05 pp 359-364, **2016.**
- 12. G.Padmanaban, **Dr.P.K.Palani**, Dr.S.Dharmalingam, "Reaction of Developed Solar Dryer on Amla", Int. J of Advanced Engg Technology, E-ISSN 0976-3945, Vol. VII/Apr-June **2016**.
- 13. Arulraj.M, **Palani P.K**, Venkatesh.L, "Optimization of Process Parameters in Stir Casting of Hybrid Metal Matrix (LM25/SiC/B4C) Composite Using Taguchi Method" I S S N 2 3 2 1 8 0 7 X Journal of Advances in chemistry, Vol.13 No.9 pp.6475 -6479, **FEB 2016.**
- 14. M. Vengatachalam, **P.K.Palani**, "Lean Cost of Production Through quality improvement A DOE approach within Dmatic Framework", Middle-East Journal of Scientific Research 24 (SI): 382-387, **2016.**
- 15. Sripriyan Karuthapandi, Ramu Murugan, **P.K.Palani**, 2016 "Study and Analysis of the Microstructure Characteristics in FCAW with the use of a Flat Wire Electrode and by Optimizing the Process Parameter using Taguchi Method and regression Analysis", High Temperature Material Processes, 20 (3), pp 197-224
- G. Padmanaban, P.K. Palani And V.M.M. Thilak, Grey Relation Analysis Of Solar Drying Process Parameter On Copra, Ital. J. Food Sci., Vol 29, 2017 pp. 434 – 442.
- 17. Arulraj, **P.K.Palani**, **2018**, "Parametric optimization for improving impact strength of squeeze cast of hybrid metal matrix (LM24 SiCp coconut shell ash) composite" Journal of the Brazilian Society of Mechanical Sciences and Engineering (BMSE).
- 18. **P.K.Palani**, Kishore Krishna, **2018**, "Transient Structural Analysis of backhoe structure in backhoe loader", Int. J. of Adv Research in Science and Engg, Vol. 07, No. 03, **March 2018**.
- 19. **P.K.Palani, 2018,** Study of Mechanical Properties of Al5052-Al₂O₃-Graphite Hybrid Composite fabricated using stir casting process", Int J of Technical Innovation in Modern Engg & Science, Vol. 04, Issue 04, **April 2018**
- 20. **P.K.Palani,** Peramanan, **2019**, "Agility in small sized pump manufacturing companies an exploration in an Indian scenario", Int. J. Rapid Manufacturing, Vol. 8, Nos. 1/2, pp.77-94
- 21. Arulraj, **P.K.Palani, 2019,** "Optimization And Effect Of Squeeze Casting Process Parameters On Tensile Strength Of Hybrid Metal Matrix Composite", Journal of Manufacturing Technology Research ISSN: 1943-8095 Volume 11, Issue 3-4 pp.137-154.

- 22. **P.K. Palani**, V.P. Srinivasana, **2020**., "Surface integrity, fatigue performance and dry sliding wear behaviour of Si3N4–TiN after wire-electro discharge machining, Ceramics International", Accepted 9 January 2020.
- 23. **P.K. Palani, 2020** "Optimization Of Friction Stir Welding Process Parameters Using Taguchi Meth", International Journal For Science And Advance Research In Technology, Volume 6,Issue 9 in September 2020, ISSN [Online]: 2395-1052.
- 24. **P.K.Palani**, M.Arulraj, S.Vijayan and T.Pugalenthi, 2020, "Studies on Microstructural and Tensile Behavior of Aluminium Metal Matrix Composites with Addition of SiCp and Coconut Shell Ash by Squeeze Casting Method", Journal of the Chinese Society of Mechanical Engineers, Vol.41, No.5, pp 663~670
- 25. **P. K. Palani,** K. Chithambaram, B. Rajeswari, 07 February 2021, "Optimization of Particle Size of Teak Wood Saw Powder Using Taguchi Method", Materials, Design, and Manufacturing for Sustainable Environment, pp. 409-421.
- 26. **P.K.Palani,** M.Arulraj, 2021, "Optimization of squeeze casting parameters of hybrid aluminium matrix composite using Taguchi approach" in its current form for publication in Journal of Process Mechanical Engineering Under Publication.