

Name : **Dr.P.K.PALANI**
Designation : **Professor of Mechanical Engineering**
Govt. College of Technology, Coimbatore – 641 013
& Controller of Examinations

Last 5 Years Publications

1. 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**.
2. 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**)
3. 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**.
5. 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**
6. 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**
7. 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**
9. 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**
10. 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
16. 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 Method”, International Journal For Science And Advance Research In Technology, Volume 6, Issue 9 in September 2020, ISSN [Online] : 2395-1052.