

ENGR. DR. TAHIR AHMAD
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PUBLICATIONS

Publication in Journals

1. S. S. Raza, **T. Ahmad**, M. U. Manzoor, M. Kamran, R. Ahmad, Analysis of Metallurgical Aspects and their Role in Processing and Performance of SuperAlloys: A Review, Journal of Fundamental and Applied Sciences, J Fundam Appl Sci. 2017, 9(1), 485-498.
2. **Tahir Ahmad**, Muhammad Kamran, Muhammad Faizan, Rafiq Ahmad, Bambang Ariwahjoedi, Faraz Hussain, Fahad Riaz, Studying the Effect of Precipitation Hardening on 6061 Aluminum Alloy Weldments, Advanced Materials Research, Vol. 1133 (2016) pp. 300-304.
3. M.T.Z. Butt, Tahir Ahmad, N.A. Siddiqui, Characterization of Two Hybrid Welding Techniques on SA 516 Grade 70 Weldments, International Journal of Chemical, Nuclear, Materials and Metallurgical Engineering, Vol. 10 (8), 2016, pp. 1038-1043.
4. Muhammad Kamran, Tahir Ahmad, Usaid Azhar, Dil Khurram, Bambang B. A. Wahjoedi, Rafiq Ahmad, Faraz Hussain, A Comparative Study of Different Electrolytes on Anodizing of 2024 Aluminum Alloy and Electrochemical Behavior of Anodized Film, Journal of the Pakistan Institute of Chemical Engineers, Vol 44, No 1 (2016), pp. 29-40.
5. **Tahir Ahmad**, Tabinda Kazmi, K. A. Bhatti, Gul Hameed Awan, Wasim Amin, M. Kamran, M. Atif Makhdoom, Structural, Morphological, and Mechanical Properties of Laser Irradiated AA-2024-T3 Aluminum Alloy Sheet, Journal of the Pakistan Institute of Chemical Engineers, Vol 44, No 1 (2016), pp.9-16.
6. Tahir ahmad, Muhammad Kamran, Muhammad Umar Manzoor, The Effect of Glass Fiber and Silica Sand Nanoparticles addition on Aluminum based Hybrid Composites, Journal of Faculty of Engineering and Technology, Vol. 23 (2), 2016, pp. Xx.
7. Tahir ahmad, Sehrish Mukhtar, Muhammad Kamran, Muhammad Umar Manzoor, Studying the Effect of Aluminum Coating on Stainless Steel 316L and Alpha Iron, Journal of Faculty of Engineering and Technology, Vol. 23 (2), 2016, pp. Xx.
8. W. Islam, G. Hameed, **T. Ahmad**, M. Kamran, H. Khan, Z. Abbas, Effect of Magnesium Concentration and Temperature on the Morphology and Chemical Composition of Anodized Layer of Al Alloys, Journal of the Pakistan Institute of Chemical Engineers, Vol 43, No 1 (2015), pp. 111-116.
9. **Tahir Ahmad**, Muhammad Atif Ehsan, Khalid Mehmood Ghauri, Muhammad Kamran, Qaisar Khushi Muhammad, Comparative Study of Dissimilar Weldings of AA6061 and AA2024 Aluminum Alloys by FSW and GTAW, Journal of Faculty of Engineering and Technology, Vol. 22 (2), 2015, pp. 27-37.
10. F. Riaz, **T. Ahmad**, M. Kamran, M. T. Munir, F. Hussain, M. U. Manzoor, R. Ahmad, The Production and Characterization of Ultrafine-Grained Metal Sheets Produced by Accumulative Roll Bonding Process,

Journal of the Pakistan Institute of Chemical Engineers, Vol 43, No 2 (2015), pp.1-8.

11. W. Ahmad, G. H. Awan, **T. Ahmad**, M. T. Z. Butt, L. A. Kasuri, M. Kamran, Phase based Study of Solidified Structures evolved during the TIG welding of 2219-T87 Aluminium Alloy, Journal of the Pakistan Institute of Chemical Engineers, Vol 43, No 2 (2015), pp. 45-56.
12. R. Bashir, G. H. Awan, **T. Ahmad**, M. Kamran, A. Ahmad L. A. Kasuri, Electroless deposition of high phosphorus Ni-P, Ni-Al₂O₃-P, Ni-Cu-P coatings and their corrosion behaviour in 0.5M Na₂SO₄ solution, Journal of the Pakistan Institute of Chemical Engineers Vol 43, No 2 (2015), pp. 85-92.
13. Fahad Riaz, **Tahir Ahmad**, Muhammad Kamran, Faraz Hussain, Muhammad Taqi Zahid Butt, Investigation of the Optimal Compositions of Rust Converters through different Electrochemical and Characterization Techniques, Journal of the Pakistan Institute of Chemical Engineers, Vol 43, No 2 (2015), pp.93-97.
14. **Tahir Ahmad**, Muhammad Kamran, Bambang Ari Wahjoedi, Muhammad Taqi Zahid Butt, Muhammad Umar Manzoor, Zaheer Abbas, The Beneficiation of Thal Silica Sand and the Production of High grade Silicon, Journal of Faculty of Engineering and Technology, Vol. 22 (2), 2015, pp. 81-90.
15. **Tahir Ahmad**, Rafiq Ahmad, Muhammad Kamran, Bambang A Wahjiodi, Effect of Thal Silica Sand nanoparticles and glass fiber reinforcements on epoxy-based hybrid Composite, Iranian Polymer Journal, Vol. 24, 1, 2015, pp 21-27.
16. **Tahir Ahmad**, Othman Mamat, Rafiq Ahmad, Amir N. Malik, Studying the formation of Fe₂SiO₄ and Pearlite phases in Iron-Silica Sand Nanoparticles Composites. Defect and Diffusion Forum Vols. 337-338, 2013, 39-47.
17. **Tahir Ahmad**, Othman Mamat, Rafiq Ahmad, Studying the Effects of adding Silica Sand Nanoparticles on Epoxy based Composites: “Nano/Microstructured Materials: Rapid, Low-Cost, and Eco-Friendly Synthesis Method“, Vol. 2013, pp. 1-5.
18. M. Kamran, F. Hussain, R. Ahmad, **Tahir Ahmad**, Fahad Riaz, “Investigating the Pitting Resistance of 316 Stainless Steel in Ringer’s Solution using the Cyclic Polarization Technique” Defect and Diffusion Forum Vol. 344 (2013) pp 1-7.
19. Rafiq Ahmad, Rafi Raza, Saima Mumtaz, **Tahir Ahmad**, “Effect of Different Modifiers on Microstructure and Strength of Locally Developed A356 Al-Si Alloy”, Defect and Diffusion Forum Vol. 344 (2013) pp 9-17.
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23. **Tahir Ahmad**, Othman Mamat, Tronoh Silica Sand Nanoparticle Production and Applications Design for Composites. Defect and Diffusion Forum (Ceramics) XIII. Vol. 330, 2012, pp 39-47.
 24. **Tahir Ahmad**, Othman Mamat, The Effect of Hardener and Catalyst Ratio on the Mechanical Properties of Fiber Glass Reinforced Polymer Composites. International Journal of Nano and Material Sciences, 1(1), 2012, 51-58.
 25. **Tahir Ahmad**, Othman Mamat, The development and characterization of Zirconia Silica Sand Nanoparticles Composites, World Journal of Nanoscience and Engineering, vol.1, 2011,pp 7-14.
 26. **Tahir Ahmad**, Othman Mamat, Characterization and Properties of Iron-Silica Sand Nanoparticles Composites, Journal of Defects and Diffusion Forum (Ceramics) XII. Vols. 316-317 in 2011, pp 97-106.
 27. **Tahir Ahmad**, Othman Mamat, The development and characterization of Alumina Silica Sand Nanoparticles Composites, Published in Defect and Diffusion Forum (Metals) XIII. Vols. 319-320, 2011, pp. 85-94.
 28. **Tahir Ahmad**, Othman Mamat, Bambang Ari Wahjoedi, Characterization and Properties of Copper-Silica Sand Nanoparticles Composites, Published in Journal of Defect and Diffusion Forum (Metals), Vols. 319-320, 2011, pp. 95-105.
 29. **Tahir Ahmad**, Othman Mamat, Characterization and Properties of Aluminium- Silica Sand Nanoparticles Composites. Solid State Science and Technology, Vol. 19, No 1, 2011, pp. 138-149.