

Research Publications

- A. Siddiqi, F. Manzoor, A. Jamal, M. Tariq, R. Ahmad, M. Kamran, Mesenchymal stem cell (MSC) viability on PVA and PCL polymer coated hydroxyapatite scaffolds derived from cuttlefish, *RSC Advances* 6 (39), 32897-32904 (2016)
- Tahir Ahmad, Rafiq Ahmad, Muhammad Kamran, Bambang Ariwahjoedi, Muhammad Faizan, Faraz Hussain, Fahad Riaz, “Studying the Effect of Precipitation Hardening on 6061 Aluminum Alloy Weldments”, *Advanced Materials Research* Vol. 1133 300-304 (2016)
- 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. Xx.
- 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. Xx.
- 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.
- T. A. Tabish, M. T. Z. Butt, M.Kamran, M.Akmal, M. Ali, “Evaluating the Biocompatibility of materials: Routes and strategies of exploring the host response”, *Journal of Faculty of Engineering & Technology (JFET)*, Vol 22, No. 1 (2015): [Available online]
- 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 & Technology (JFET)*, Vol 22, No. 2 (2015): [Available online]
- 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 & Technology (JFET)*, Vol 22, No. 2 (2015): [Available online]
- 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 Pakistan Institute of Chemical Engineers*, 43 (2): 1-10 (2015)
- Tahir Ahmad*, M. Kamran, R. Ahmad, T.Z. Butt, “Study of the Microstructure and Mechanical Properties of locally developed Carbon Fiber-Silica Sand Nanoparticles Aluminium based Hybrid Composites”, *Contributed Papers from Materials Science and Technology (MS&T) 2015*, October 4 – 8, 2015, Greater Columbus Convention Center, Columbus, Ohio, USA
- F. Riaz., T. Ahmad*, M.T.Z Butt, M. Kamran, F. Hussain, Investigation on Various Formulations of Rust Converter by Using Spectroscopic, Microscopic and Electrochemical Characterization Techniques”, *Journal of Pakistan Institute of Chemical Engineers*, 43 (2) 93-97 (2015)
- R. Bashir , G. H. Awan , T. Ahmad , M. Kamran , A. Ahmad , L. Ali, “Electroless Deposition of High Phosphorus Ni-P, Ni-Al₂O₃-P, Ni-Cu-P Coatings and their Corrosion Behavior in 0.5M Na₂SO₄ Solution”, *Journal of Pakistan Institute of Chemical Engineers*, 43 (2) 85-92 (2015)

- W. Ahmad , M. Kamran , G. H. Awan , T. Ahmad , T. Z. Butt ,L. A. Kasuri, “Phase Based Study of Solidified Structures Evolved During the TIG Welding of 2219-T87 Aluminum Alloy”, *Journal of Pakistan Institute of Chemical Engineers*, 43 (2) 45-56 (2015)
- M.S. Qayyum , T.A. Tabish , M. Ali ,M. Kamran , T.Z. Butt, “Casting Simulation of Extruded Ceramic Filters: A perspective study”, *Journal of Pakistan Institute of Chemical Engineers*, 43 (2) 9-14 (2015)
- W. Islam , G. Hameed , T. Ahmed , M. Kamran , H. Khan , Z. Abbas, “Effect of Magnesium Content and Temperature on the Morphology and Chemical Composition of Anodized Layer of Al Alloys”, *Journal of Pakistan Institute of Chemical Engineers*, 43 (1) 111-116 (2015)
- Tahir Ahmad, Rafiq Ahmad, Muhammad Kamran, Bambang Wahjoedi, Imran Shakoor, Faraz Hussain, Farhad Riaz, Zuhaib Jamil, Sirjeel Isaac, Qaiser Ashraf, “Effect of Thal silica sand nanoparticles and glass fiber reinforcements on epoxy-based hybrid composite”, *Iranian Polymer Journal*, 24(1), 21-27, (2015)
- A Ahmad, F Hussain, KM Deen, R Ahmad, L Ali, M Kamran, M Azam, “Corrosion Behavior of X-70 Pipe Steel in Crude Oil Environments Depending upon Surface Characteristics”, *Arabian Journal for Science and Engineering*, 1-12 (2014) (DOI 10.1007/s13369-014-1102-y)
- MA Makhdoom, M Kamran, GH Awan, S Mukhtar, “Effect of Multipasses on Microstructure and Electrochemical Behavior of Weldments”; *Metallurgical and Materials Transactions A* 44 (12), 5505-5512 (2013)
- M Kamran, F Hussain, R Ahmad, T Ahmad, F Riaz, “Investigating the Pitting Resistance of 316 Stainless Steel in Ringer's Solution Using the Cyclic Polarization Technique”; *Defect and Diffusion Forum* 344, 1-7, (2013)
- F Riaz, RK Shahzad, M Kamran, F Hussain, R Ahmad, T Ahmad, “Evaluation of Surface Preparation Techniques for Steel Substrates Prior to Coating Application”; *Defect and Diffusion Forum* 344, 55-70, (2013)
- KM Deen, A Farooq, IH Khan, CI Haque, A Ali, M Kamran, AN Malik, “Study of natural gas feed preheater failed tubes” *Materials at High Temperatures* 30 (2), 140-144, (2013)
- M.U. Shahab, T.A. Tabish, B. Zaman, Zahra Tariq, M. Kamran, “Characterisation and Synthesis of Nanosized TiO₂ Particles” ; *Annals of Faculty Engineering Hunedoara - International Journal of Engineering* 9 (3), 313-316, (2013)
- M. Kamran, F. Hussain, T.Z. Butt; “Characterization of locally produced martensitic stainless steel surgical grade AISI 420A”; *Engineering News, A journal of Pakistan Engineering Congress*, 2010
- M. kamran; “Semi-solid processing –A Review”; *Journal of Quality and Technology Management*; Vol. V (1), 2009, p. 94-100
- Javaid Iqbal, R. Ahmad, M. Kamran; Identification of phases formed at Al-Fe interface during Aluminizing process of medium carbon steel: *Journal of Pakistan Institute of Chemical Engineers*, Vol. XXX, 2001, p. 69-74.
- T.Z. Butt, M. Kamran; True centrifugal casting of heavy duty automobile Sleeve Cylinder of LM30: *Journal of Pakistan Institute of Chemical Engineers*, Vol. XXX, 2001, p. 89-95.
- Javaid Iqbal, R. Ahmad, M. Kamran; Effect of temperature and holding time on the coating thickness and concentration of phases found on Aluminum –Iron interface: *Journal of Pakistan Institute of Chemical Engineers*, Vol. XXXI, 2002, p. 1-4.
- M. Kamran, Rauf Uzzaman, M. Moinuddin Ali Khan; Beneficiation of Dilband Iron ore: *Pakistan Steel Research Journal*, Vol. 2 No. 1, 2001, p. 82-94.

- Rauf Uzzaman, M. Kamran, M. Moinuddin Ali Khan; Study of effect of size fractions on weight retained of Dilband Iron ore using design of experiments techniques: Pakistan Steel Research Journal, Vol. 2 No. 1, 2001, p. 65-70
- Rauf Uzzaman, M. Kamran, M. Moinuddin Ali Khan; Study of effect of the areas on chemical composition of Dilband Iron ore by applying statistical methods: Pakistan Steel Research Journal, Vol. 2 No. 1, 2001, p. 49-54.
- Rauf Uzzaman, M. Kamran, Jawad Kausar and M. Moinuddin Ali Khan; Effect of longer coking period on the quality of coke and coke oven batteries: Pakistan Steel Research Journal, Vol. 2 No. 1, 2001, p. 1-10.