

PROF. DR. MUHAMMAD MOAZAM BALOCH

List of Publications in National (HEC recognized Journals) and International Research Journal.

1. Jogi S.A, Asif Shah, **Baloch M.M** and Memon I.A (2017) “Effect of Layup Placement on Tensile properties of E-Glass/Kevlar 49 Epoxy Hybrid Composite” Science International (Lahore), Vol. 29 (1), pp., 241-244. ISSN: 1013-3516, CODEN: SINTE 8.
2. Umair Aftab, M. I Abro, **Moazam Baloch**, M. H. Jokhio (2015) “Development of Aluminium-Ceria Composite By Using Stir Casting” Element, Pakistan Foundry Association Lahore, Pakistan, 2nd Edition, pp.,18-23.
3. Muhammad Ishaque Abro,**Muhammad Moazam Baloch** and Muhammad Hayat Jokhio (2011) “Effect of Temperature on the Toughness of Locally Manufactured Low Alloy Steel SUP9 used for Manufacturing Leaf Spring” Mehran University Research Journal of Engineering & Technology, Vol. 30, No.4. pp. 635- 644.
4. Asif Shah,**M. Moazam Baloch**andAshraf Ali (2010) “Failure Analysis of Boiler Tubes in Lakhra Coal Power Plant” Science International (Lahore), Vol. 22, pp., 125-127. ISSN: 1013-3516, CODEN: SINTE 8.
5. **Baloch M.M**,Abro M.I (2010) “Effect of Austempering Temperature on Mechanical Properties and Microstructure of Austempered Ductile Cast Iron (ADI)” Mehran University Research Journal of Engineering & Technology, Vol. 29, No.1. pp. 137-144.
6. Abro M.I and **Baloch M.M** (2010) “Effect of Microstructure on Torsional behavior of Low Carbon Carburized Steel (AISI 1020)”, Mehran University Research Journal of Engineering & Technology, Vol. 29, No.1. pp. 145-152.
7. S. A. Memon, **M. M. Baloch** and A. H. Mallah (2009) “Mechanical Properties and Microstructure of a Commercial Grade Duplex Stainless Steel 2205” Mehran University Research Journal of Engineering & Technology, Vol. 28, No.2. pp. 215-222.
8. **M. M. Baloch** (2009) “Anisotropic Grain Growth in Mechanically Alloyed MA956” Mehran University Research Journal of Engineering & Technology, Vol. 28, No.1. pp. 93-100.
9. **M. M. Baloch** (2009) “Study of Recrystallisation Behaviour of Incoloy MA957 after Isothermal Annealing” Mehran University Research Journal of Engineering & Technology, Vol. 28, No.1. pp. 111-118.
10. **M. M. Baloch** (2008)“Directional recrystallisation of Mechanically Alloyed Oxide Dispersion Strengthened Ferritic Steel MA957” Mehran University Research Journal of Engineering & Technology, Vol.27, No. 1. pp., 107-120.

11. **M. M. Baloch (2008)** “Influence of Y₂O₃ Particles and Deformation on Recrystallisation of ODS Steels MA956 and MA957” Sindh University Research Journal (Science Series), Vol. 40, No. 2. pp.,19-26.
12. **M. M. Baloch** and S. A. Memon (2008) “DTA for Superalloy MA6000 and Ferritic Steel MA956” Mehran University Research Journal of Engineering & Technology, Vol. 27, No.1. pp., 83-90.
13. **M. M. Baloch** and S. A. Memon (2007) “Characteristaion of As-Deformed Microstructure of ODS Ni-Base Superalloy and ODS Ferritic Steel Prior to Directional Recrystallisation” Mehran University Research Journal of Engineering & Technology, Vol. 26, No. 4. pp., 345-354.
14. Sikandar Ali Memon, **Muhammad Moazam Baloch** and Iftikhar Ahmed Memon (2007) “Assesment of Steady State Creep Behaviour and Microstructural Investigations of Micro-alloyed Steel” Quaid-e-Awam University Research Journal of Engineering & Technology, Vol. 8, No. 1& 2. pp., 27-32.
15. **Muhammad Moazam Baloch**, Shakeel Ahmed Memon and Sikandar Ali Memon (2007) “Zone Annealing and Isothermal Annealing of Dispersion Strengthened Aluminum Alloys Al20-wt% SiC and AA3003” Quaid-e-Awam University Research Journal of Engineering & Technology, Vol. 8, No. 1&2. pp., 19-26.
16. **M. M. Baloch** and H. K. D. H. Bhadeshia (1990) “Directional recrystallisation in Inconel MA6000 nickel base oxide dispersion strengthened superalloy” Materials Science and Technology Vol. 6. pp., 1236-1246.

Research papers presented in National and International conferences

17. Mukesh Kumar Soothar, **Muhammad Moazam Baloch**, M.I Abro, Sikandar Ali Memon and Ali Dad Chandio, “**EFFECT OF AGE HARDENING HEAT TREATMENT ON MECHANICAL PROPERTIES OF 6061 ALUMINUM ALLOY**”.
18. Mukesh Kumar, Rehan Laghari, **M. M Baloch**, M. I Abro, Ghazanfar Abbas, “**Synthesis and Characterization of Barium Doped Ceria (BDC) Nano-Composite Material**”, 1st International Conference on Advanced Materials and Processing-2017, Mehran University of Engineering and Technology Jamshoro, Sindh Pakistan.
19. I. A Soomro, Muhammad Ishaq Abro, **M. M Baloch**, A. R Jamali, Mukesh Kumar, “**Effect of organic solvent on physico-chemical properties of silica aerogel synthesized via ambient pressure drying process**”, 1st International Conference on Advanced Materials and Processing-2017, Mehran University of Engineering and Technology Jamshoro, Sindh Pakistan.
20. M. H. Jokhio, M. I. Panhwar, **Moazam Baloch**, and Sikandar Memon (2007) “Aluminum as a competitive material for saving energy and environment” Proceedings of First National Conference on “Assessment and Proper Utilization of Indigenous Energy Resources and Their Impact on Environment”, Organized by Energy and

Environment Engineering Department, Quaid-e-Awam University of Engineering, Science and Technology, Nawabshah, Sindh, Pakistan.

21. M. I Panhwar, M. H. Jokhio, M. D. Memon and **M.M. Baloch** (2009) “Development and Characterisation of Aluminum Alloy” 11th International Symposium on Advanced Materials ISAM-2009, at National Center of Physics, Quaid-e-Azam University Campus, Islamabad from 08 – 12 August, 2009.
22. Umair Aftab, Muhammad Ishaq Abro, Khanji Harijan, **M.Moazam Baloch** and M. Aqeel Bhutto “Effect of Ceria on MIC Susceptibility of Aluminium-Zinc Sacrificial Anode”, 2nd International Conference on Energy, Environmental and Sustainable Development (EESD 2012), Mehran University of Engineering and Technology, Jamshoro, Pakistan. (February 27 – 29, 2012).
23. Inamullah Maitlo, Muhammad Ishaq Abro, **M. Moazam Baloch** and Umair Aftab, “An Attempt to Minimize Environmental Degradation by Optimizing C.P. Corrosion System”, 2nd International Conference on Energy, Environmental and Sustainable Development (EESD 2012), Mehran University of Engineering and Technology, Jamshoro, Pakistan. (February 27 – 29, 2012).
24. Aftab U., Abro M.I., Khanji H., **Baloch M.M.**, Jokhio M.H., Maitlo I., (2012) Proceedings EESD, 2012, Mehran University of Engineering and Technology, Jamshoro.
25. Umair Aftab, M. I. Abro, **Moazam Baloch** and M. H. Jokhio “Development of Aluminium-Ceria Composite by Using Stir Casting”, 5th International Foundry Congress & Exhibition (IFCE) organized by Pakistan Foundry Association at Faletti’s Hotel Lahore, Pakistan, on Dec 2-3, 2014
26. Umair Aftab, M. Ishaque Abro, M. Hayat Jokhio, and **M. Moazam Baloch** “Effect of Cerium (IV) oxide on Physico-Chemical Properties of Aluminum Based Sacrificial Anode”, 1st National Conference on Metallurgy and Materials (NCMM-15), Mehran University of Engineering and Technology, Jamshoro, Pakistan. (March 25, 2015).
27. Shafique Ahmed, **M. Moazam Baloch**, M. Ishaque Abro and Umair Aftab “High Temperature Creep Rate Measurement of Advanced Steel”, 1st National Conference on Metallurgy and Materials (NCMM-15), Mehran University of Engineering and Technology, Jamshoro, Pakistan. (March 25, 2015).