

Mr. Umair Aftab

PUBLISHED PAPERS:

1. **Umair Aftab**, Muhammad Ishaque Abro, Ali Dad Chandio, Wasim Akhtar and Shafique Ahmed “**Effect of Nano-Ceria on Physiognomies of Aluminum-5% Zinc Sacrificial Anode**”, Mehran University Research Journal of Engineering and Technology, Vol 37, Issue 2, pp. 351-358, April 2018
2. Inamullah Maitlo, **Umair Aftab**, Muhammad Ishaque Abro and Muhammad Moazam Baloch “**Selective Leaching of Steel Pollutant Element from Dilband Iron Ore, Pakistan**”, Mehran University Research Journal of Engineering and Technology, Vol 36, Issue 3, pp. 757-762, July 2017
3. Muhammad Ishaque Abro, Riaz Ahmed Memon, Imtiaz Ali Soomro, and **Umair Aftab** “**Effect of Intercritical Heat Treatment on Mechanical Properties of Reinforcing Steel Bar**”, Mehran University Research Journal of Engineering and Technology, Vol 36, Issue 3, pp. 589-596, July 2017
4. Faisal Ahmed Memon, Francesco Morichetti, Muhammad Ishaque Abro, Giosue Iseni, Claudio Somaschini, **Umair Aftab** and Andrea Melloni “**Synthesis, Characterization and Optical Constants of Silicon Oxycarbide**”, EPJ Web Conf., Vol 139, Article 2, pp. 1-5, 2017 <https://doi.org/10.1051/epjconf/201713900002>
5. Umair Aftab, M. I. Abro, Moazam Baloch and M. H. Jokhio “**Development of Aluminium-Ceria Composite by Using Stir Casting**”, ELEMENT, Pakistan Foundry Association, 2nd Edition, 2015 [http://www.pfa.org.pk/gallery_images/news/2018928982Element%20Aug%202015\(2\).pdf](http://www.pfa.org.pk/gallery_images/news/2018928982Element%20Aug%202015(2).pdf) <http://pfa.org.pk/pdf/paper%207.pdf>

CONFERENCE & SYMPOSIUM PAPERS:

1. **Umair Aftab**, Imtiaz Ali Soomro, Aitazaz Ahmed, Arif Ali and Umair Khan “**Effect of Deformation on Martensite Transformation in Ti-6-Al-4V Alloy**”, 2nd International Conference on Chemical Engineering, organized by Department of Chemical Engineering, MUET Jamshoro at Movenpick Hotel Karachi, Pakistan. (Jan 22-23, 2018)
2. Kishore Chand, M. Ishaque Abro, **Umair Aftab**, Shoukat Ali Noonari and Mukesh Kumar “**Green Synthesis and Characterization of Silver Nanoparticles**”, 2nd International Conference on Chemical Engineering, organized by Department of Chemical Engineering, MUET Jamshoro at Movenpick Hotel Karachi, Pakistan. (Jan 22-23, 2018)
3. Vinod Kumar, **Umair Aftab**, Junaid Ahmed, Shahwaiz Saeed and Muzafar Ahmed “**Synthesis and Characterization of GO/RGO Polymer Composite**”, 1st International Conference on Advanced Materials and Processing (ICAMP-17), Mehran

- University of Engineering and Technology, Jamshoro, Pakistan. (Feb 28-March 2, 2017)
4. Qureshi Ayatullah, M. Moazam Baloch and **Umair Aftab** “**Effect of Food and Beverages on Physical and Mechanical Behavior of Dental Restorative Materials**”, 1st International Conference on Advanced Materials and Processing (ICAMP-17), Mehran University of Engineering and Technology, Jamshoro, Pakistan. (Feb 28-March 2, 2017)
 5. Santosh Kumar, Mukesh Kumar, **Umair Aftab**, Imtiaz Soomro and Rehan Laghari “**Impact of Wooden Ash Amendments on Physical and Chemical Properties of Desert Soil**” , 1st International Conference on Advanced Materials and Processing (ICAMP-17), Mehran University of Engineering and Technology, Jamshoro, Pakistan. (Feb 28-March 2, 2017)
 6. Vinod Kumar, Mukesh Kumar, **Umair Aftab**, Muzafar Ahmed and Abdul Hanan “**Synthesis and Characterization of Graphene Nano-Sheets**” , 1st International Conference on Advanced Materials and Processing (ICAMP-17), Mehran University of Engineering and Technology, Jamshoro, Pakistan. (Feb 28-March 2, 2017)
 7. A.J. Laghari, Muhammad Ishaq Abro, **Umair Aftab**, M. M. Baloch and S. A. Channa “**The Effect of Polyvalent Metal Ions on Zeta Potential Study of Hematite, Quartz, Kaolinite, Calcite and Fluorapatite Minerals**” , 1st International Conference on Advanced Materials and Processing (ICAMP-17), Mehran University of Engineering and Technology, Jamshoro, Pakistan. (Feb 28-March 2, 2017)
 8. Syed Amjad Ali Shah, Tanweer Hussain and **Umair Aftab** “**Analyzing the effect of changing RAH seal material on the heat rate improvement of 210-MW unit**” , 1st International Conference on Advanced Materials and Processing (ICAMP-17), Mehran University of Engineering and Technology, Jamshoro, Pakistan. (Feb 28-March 2, 2017)
 9. Rohit Sharma, Muhammad Ishaque Abro, Peerji Rajput, Mukesh Kumar and **Umair Aftab** “**EEE-waste Recycling Management: A Review**”, 1st International Conference on Advanced Materials and Processing (ICAMP-17), Mehran University of Engineering and Technology, Jamshoro, Pakistan. (Feb 28-March 2, 2017)
 10. **Umair Aftab**, M. Ishaque Abro, Wasim Akhtar and Shafique Ahmed “**Effect of Nano Ceria on Physiognomies of Aluminum-5% Zinc Sacrificial Anode**”, 2nd National Conference on Metallurgy and Materials (NCMM-16), Mehran University of Engineering and Technology, Jamshoro, Pakistan. (August 11, 2016)
 11. Ayatullah Qureshi, Moazam Baloch and **Umair Aftab** “**Effect of Acidic Agents on Physico – Mechanical Characteristics of Dental Restorative Materials**”, 2nd National Conference on Metallurgy and Materials (NCMM-16), Mehran University of Engineering and Technology, Jamshoro, Pakistan. (August 11, 2016)
 12. Vinod Kumar, Abdul Hanan, Muzafar Ahmed Kolachi, **Umair Aftab** and M. Ishaque Abro “**Production and Characterization of Graphene Oxide**”, 2nd National Conference on Metallurgy and Materials (NCMM-16), Mehran University of Engineering and Technology, Jamshoro, Pakistan. (August 11, 2016)

13. Inamullah Maitlo, Moazam Baloch, M. Ishaque Abro and **Umair Aftab** “**Selective Leaching of Steel Pollutant Element from Dilband Iron Ore in Pakistan**”, 2nd National Conference on Metallurgy and Materials (NCMM-16), Mehran University of Engineering and Technology, Jamshoro, Pakistan. (August 11, 2016)
14. Muddassir Ali Memon, Moazam Baloch, Wasim Akhtar, **Umair Aftab** and Ayatullah Qureshi “**Development and Characterization of Super Absorbent Polymer Composite using Nano Clay**”, 2nd National Conference on Metallurgy and Materials (NCMM-16), Mehran University of Engineering and Technology, Jamshoro, Pakistan. (August 11, 2016)
15. Sarfaraz Ali Shah, Mukesh Kumar, Raja Shahbaz, M. Ishaque Abro and **Umair Aftab** “**Evaluation of Neem Leaves Extract as Corrosion Inhibitor for Mild Steel**”, 2nd National Conference on Metallurgy and Materials (NCMM-16), Mehran University of Engineering and Technology, Jamshoro, Pakistan. (August 11, 2016)
16. Imtiaz Ali Soomro, Ayatullah Qureshi, **Umair Aftab** and Shaukat Ali Noonari “**Hydrogen Technology, a potential option for sustainable development of Pakistan**”, 1st International Conference on Indigenous Resource Management Challenges and Opportunities 2016, The University of Management Sciences & Information Technology Kotli Azad Kashmir (14-15 April 2016)
17. **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)
18. M. Ishaque Abro, M. Hayat Jokhio, **Umair Aftab**, Riaz Ahmed Memon and Inamullah Maitlo “**Effect of Effective Case Depth and Microstructure on Torsional Strength of SAE1040 Steel**”, 1st National Conference on Metallurgy and Materials (NCMM-15), Mehran University of Engineering and Technology, Jamshoro, Pakistan. (March 25, 2015)
19. 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)
20. Ahsen Khan, M. Ishaque Abro, Muhammad Hassan and **Umair Aftab** “**Selective Flocculation Studies on Hematite-Quartz System in Presence of Polyvalent Metal-Ions**”, 1st National Conference on Metallurgy and Materials (NCMM-15), Mehran University of Engineering and Technology, Jamshoro, Pakistan. (March 25, 2015)
21. **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 on Dec 2-3, 2014 at Faletti’s hotel Lahore, Pakistan.

22. **Umair Aftab**, Muhammad Ishaq Abro, Khanji Harijan, M.Moazam Baloch, M. Aqeel Bhutto and Fayaz Hussain “**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)