

## **RESEARCH PUBLICATIONS**

1. **Usman Rafaqat, Javed Akhtar, Naseer-ud-Din Sheikh, Shahid Munir (Accepted)** Cleaning of Dukki (Baluchistan) Coal by Oil Agglomeration. International Journal of Oil, Gas and Technology.
2. **S. Munir, K. Shahzad, S. Aslam, M. Mukhtar, J. Akhtar**, “Parametric Study of Coal Gasification Under Bubbling Fluidized Bed Conditions” in proceeding of Ist International Young Engineers Convention (FIYEC-IYEC-2014) organized by the Pakistan Engineering Council at University of Engineering & Technology (UET) held on April 18, 2014.
3. **S. Munir, Sana Mushtaq, Shumaila Azam, J. Akhtar, N. Sheikh, K. Shahzad** “Up-gradation of Duki Coal by Agglomeration with Xylene”. in proceeding of Ist International Young Engineers Convention (FIYEC-IYEC-2014) organized by the Pakistan Engineering Council at University of Engineering & Technology (UET) held on April 18, 2014.
4. **Shahzad.K, Kanwal.S, Nawaz.S, Sheikh.N, Munir.S, (2014)**. Effects of moisture and Coal blending on HGI of Pakistani Coal. International Journal of Coal Preparation and Utilization,34(1),1-9.
5. **Ashraf.I, Kanwal.S, Shahzad.K, Sheikh.N,Munir.S, (2013 Submitted)**. Upgradation of Pakistani Coal by Heavy Media Separation. International Journal of Mineral Processing.
6. **Imran Ashraf, Sumaira Kanwal, M. Khurram Shahzad, N. Sheikh, S. Munir,(2012)**. Upgradation of Dandot Coal by Heavy Media Separation. In *Proceedings of International conference on Engineering Sciences, ICES 2012, 28-29 February,Lahore*
7. **Munir.S ,W. Nimmo, B.M. Gibbs,(2012)**. Pakistani Sugarcane bagasse as potential secondary fuel for NO<sub>x</sub> reburning in large scale coal combustion systems in proceeding of UK-Pakistan Coal Conference (UK-PK2012),3-5<sup>th</sup> July , 2012, Leeds, UK.

8. **Munir,S, (2012).** Energy Crisis in Pakistan and its Solution in proceedings of UK-Pakistan Coal Conference (UK-PK2012),3-5<sup>th</sup> July , 2012, Leeds, UK.
9. **Munir, S.; Nimmo, W.; Gibbs, B.M., (2011).** The Effect of air staged, co-combustion of pulverised coal and biomass blends on NO<sub>x</sub> emissions and combustion efficiency. *Fuel* 90 (2011) 126–135.
10. **Munir,S,** NO<sub>x</sub> Emission Control using Biomass as Reburn Fuel , 4<sup>th</sup> Symposium on Engineering Sciences 1<sup>st</sup> March 2011, ICET, University of the Punjab, Lahore.
11. **Munir, S.; Nimmo, W.; Gibbs, B. M., (2010).** Sheameal and Cotton Stalk as potential fuels for co-combustion with coal. *Bioresource Technology*, 101 (19). 7614–7623.
12. **Munir, S.; Nimmo, W.; Gibbs, B.M., (2010).** Co-combustion of Agricultural Residues with Coal: Turning Waste into Energy. *Energy & Fuels*, 24 (3), 2146-2153.
13. **Daood, S.S.; Munir, S.; Nimmo, W.; Gibbs, B.M., (2010).** Char oxidation study of sugar cane bagasse, cotton Stalk and Pakistani Coal under 1% and 3% oxygen concentrations. *Biomass and Bioenergy*. 34 (3), 263-271.
14. **Munir, S., (2010).** A review on Biomass-Coal Co-combustion: current state of knowledge. *Proceedings of Pakistan Academy of Sciences*. 47(4), 265-287.
15. **Munir, S.; Nimmo, W.; Gibbs, B.M., (2010).** Air and Fuel Staged Co-combustion of Coal with Biomass in Power Station Boilers. *Journal of Quality and Technology Management. Volume VI, Issue II, Dec, 2010, pg. 81-111.*
16. **Munir, S.; Nimmo, W.; Gibbs, B.M., (2010).** Biomass as potential Reburn Fuel in Coal-fired Boilers. *Journal of Quality and Technology Management. Volume VI, Issue II, Dec, 2010, pg. 43-79.*
17. **Munir, S.; Nimmo, W.; Gibbs, B.M., (2010).** Potential Slagging and Fouling Problems associated with Biomass-Coal blends in Coal-fired Boilers. *Journal of Pakistan Institute of Chemical Engineers.Vol.38, 1-26.*

18. **Munir, S.; Daood, S.S; Cunliffe, A.M.; Nimmo,W.; Gibbs, B.M.,** (2009) Thermal Analysis and Devolatilization Kinetics of Cotton Stalk, sugar cane bagasse, and shea meal under nitrogen and air atmospheres. *Bioresource Technology*, 100 (3), 1413-1418.
19. **Munir, S.; Akhtar, N.A.; Nimmo, W.; Gibbs, B.M.,** (2009). NO<sub>x</sub> formation during combustion process and in-furnace control technologies. *Journal of Pakistan Institute of Chemical Engineers*, 37, 13-21.
20. **Munir, S.; Nimmo, W.; Gibbs, B.M.,** (2009) Air and Fuel staged Co-combustion of Biomass with Coal. In *Proceedings of the 10<sup>th</sup> International conference on Energy for a Clean Environment*, 7-9 July Lisbon
21. **Munir,S., Daood,S.S., Rizvi, Z.H., Butt, M.A.,** (2009). Development of an Inclined Plate Extractor-Separator for Immiscible Liquids. *Energies*, 2, 957-975.
22. **Munir.S ,W. Nimmo, B.M. Gibbs,(2008).** Biomass Co-firing, Worksop on perspectives on Co-Combustion, Preceding the 7<sup>th</sup> European Conference on Coal Research and It's Applications, The University of Cardiff, UK, 3<sup>rd</sup>-5<sup>th</sup> September 2008.
23. **Daood,S.S., Munir,S., Akhtar,N.A., Butt,M.A.,** (2007). Effect of operating parameters on extraction in sieve plated pulsed column. *Proceedings of Pakistan Academy of Sciences*, 44(3), 189-195.