

## Publications:

1. Mahmood Saleem, Rafi Ullah Khan, M. Suleman Tahir, Gernot Krammer, Experimental study of cake formation on heat treated and membrane coated needle felts in a pilot scale pulse jet. *Powder Technology*, 2011, 214(3), 389-399
2. Shehzad Younas Khawaja, Muhammad Rashid Usman, Sharooz Khan, Waheed Afzal, Muhammad Sarfraz Akram, Rafi Ullah Khan, Niaz Ahmad Akhtar. On the Factors Influencing the Hydrodynamic Performance of a Pulsed Sieve-Plate Extraction Column: Dispersed Phase Holdup. *Journal Of Faculty Of Engineering & Technology, Vol 18, No 1 (2011)*
3. Javed A. Awan, Rafi Ullah Khan, Muhammad Rashid Usman, Dominique Richon. Electrical Conductivity of n-Propylmercaptan (n-PM) in Methyldiethanolamine (MDEA) Aqueous Solutions at 303 K. *Journal of the Pakistan Institute of Chemical Engineers, Vol 39, No 1 (2011)*
4. Kanwar Saleem Akhtar, Aamir Ijaz, Rafi Ullah Khana Cfd Modeling of Coal Combustion for Higher Energy Efficiency and Lower Environmental Impact . *In the proceeding of 4th Symposium on Engineering Sciences, PU Lahore March 1, 2011*
5. S. Y. Khawaja, S. Khan, M. R. Usman, W. Afzal, R.U. Khan, and N.A. Akhtar. On the Factors Influencing the Performance of a Pulsed Sieve-Plate Extraction Columns: Holdup and Drop Size Distribution. *In the Proceedings of 4th Symposium on Engineering Sciences, PU Lahore March 1, 2011*
6. Waheed Afzal, Shehzad Younas Khawaja, Sharooz Khan, Muhammad Rashid Usman, Rafi Ullah Khan and Niaz Ahmad Akhtar . Treatment of Wastewater Containing Aromatic Compounds Using a Pulsed-Sieve-Plate Extraction Column. *In the proceedings of AIChE annual meeting Nov. 7-12, 2010, Salt Lake City, USA*
7. R. U. Khan et al. Vacuum Gas Carburizing - Effect of Acetone On Pyrolysis of Acetylene. . *In the proceedings of AIChE annual meeting Nov. 7-12, 2010, Salt Lake City, USA*
8. Dominic Buchholz, Rafi Ullah Khan, Siegfried Bajohr, and Rainer Reimert CFD Modeling of Acetylene Pyrolysis for Vacuum Carburizing of Steel. *Industrial and Engineering Chemistry Research. 49(3), 1130-1137, 2010 .*
9. D. Buchholz, R. U. Khan, S. Bajohr, F. Graf, R. Reimert.. Simulation des Niederdruckaufkohlens von Stahl mit Ethin. *Chemie Ingenieur Technik-CIT, Wiley-InterScience Journal (Germany) 2009, 81(8) 1095-1096*

10. R. U. Khan, M. Saleem, A. Shafeeq. Vacuum Gas Carburizing with Acetylene - Gas Phase Modeling of a Bench Scale Reactor. *J. Pakistan Institute of Chemical Engineers (JPICChE)*, Vol. XXXVII, 2009,
11. M. N. Younis, M. S. Saeed, S. Khan, M. U. Furqan , R.U. Khan & M. Saleem. Production and Characterization of Biodiesel from Waste and Vegetable Oils. *Journal of Quality and Technology Management*, 2009 , vol. 5(1), pp. 111-121
12. U. Irshad, M. N. Sharif, R.U.Khan & Z.H. Rizvi. Granulation of Urea in a Pan Granulator. *Journal of Quality and Technology Management* , 2009 vol. 5(1), pp. 56-66
13. A.Shafeeq, A.Muhammad, R.U.Khan and M.Azam. Application of heuristics to solve scheduling problems of intermediate transfer policies in multiproduct chemical batch processes. *Journal of Quality and Technology Management*, 2009 vol. 5(1), pp. 67-81
14. Khan, Rafi U.; Buchholz, Dominic; Graf, Frank; and Reimert, Rainer. Pyrolysis of Acetylene for Vacuum Carburizing of Steel: Modeling with Detailed Kinetics," *International Journal of Chemical Reactor Engineering* (2009) Vol. 7: A10. available Online at: <http://www.bepress.com/ijcre/vol7/A10>
15. D. Buchholz, R.U. Khan, S. Bajohr, F. Graf, R. Reimert. Simulation des Niederdruckaufkohlens von Stahl mit Ethin, *ProcessNet Jahrestagung, September 8-10, 2009 · Mannheim, Germany*
16. Buchholz D., Khan R. U., Bajohr S., Graf F., Reimert R. CFD Modelling of Acetylene Pyrolysis for Vacuum Carburizing of Steel. *World Congress of Chemical Engineering (WCCE8), August 23—27, 2009, Montréal, Québec, Canada, ISBN 0-920804-44-6.*
17. D. Buchholz, R. U. Khan, F. Graf, S. Bajohr, R. Reimert . Simulation of pyrolysis- and surface reactions of acetylene at low pressure carburizing conditions of steel. *Härtereitechnische Mitteilungen (Germany)* 2008, 63(2), 75-83 (<http://www.htm-journal.de>)
18. R. U. Khan, et al. Pyrolysis of propane for vacuum carburizing: An experimental and modeling study. *Journal of Analytical and Applied Pyrolysis*, 81(2), 148 -156, 2008
19. D. Buchholz, R.U. Khan, F. Graf, S. Bajohr, R. Reimert . Prozesssimulation des Niederdruckaufkohlens von Stahl mit Ethin, *ProcessNet Jahrestreffen (PAAT), November 24-25, 2008, Bad Honnef, Germany*

20. Buchholz, D.; **Khan, R. U.**; Graf, F.; Bajohr, S.; Reimert, R. CFD modelling of acetylene pyrolysis for low pressure carburizing of steel. *18th International Congress of Chemical and Process Engineering, CHISA, August 24.-28, 2008, Prague, Czech Republic*
21. D. Buchholz, R.U. Khan, S. Bajohr, F. Graf, R. Reimert .CFD modelling of acetylene pyrolysis and surface reactions for low pressure carburizing of steel, *European Conference on Heat Treatment 2008, May 7-9, 2008, Verona, Italy. ISBN 88-85298-64-8*
22. D. Buchholz, R. U. Khan, F. Graf, S. Bajohr, R. Reimert. Modelling of the acetylene pyrolysis under the conditions of the low pressure carburization of steel. *Härterei-Technische Mitteilungen (Germany), 2007, 62(1), 5-12 (<http://www.htm-journal.de>)*
23. R.U. Khan, S. Bajohr, F. Graf, R. Reimert. Modeling of acetylene pyrolysis under steel vacuum carburizing conditions in a tubular flow reactor. *Molecules, 2007, 12, 290-296*
24. Khan, R. U., Buchholz, D., Graf, F. Bajohr, S. and Reimert, R. Cfd Modeling of Acetylene Pyrolysis for Low Pressure Carburizing of Steel. *In the proceedings of AIChE annual meeting. November 4 -9, 2007, Salt Lake City, Utah, USA, ISBN 978-08169-1022-9*
25. D. Buchholz, R. U. Khan, F. Graf, S. Bajohr, R. Reimert. Simulation der Pyrolyse- und der Oberflächenreaktionen von Ethin beim Niederdruckaufkohlen von Stahl. *63. Härterei Kolloquium, October 10-12, 2007, Wiesbaden, Germany*
26. D. Buchholz, **R. U. Khan**, F. Graf, S. Bajohr, R. Reimert . Modelling of acetylene pyrolysis under the conditions of vacuum steel carburisation .*The 2nd Bodycote/AGA in-depth Surface Engineering Seminar. May 22-23, 2007, Stenungsund, Sweden*
27. Modeling of acetylene pyrolysis under vacuum carburizing conditions of steel in a tubular flow reactor” *International Electronic Conference on Synthetic Organic Chemistry ECSOC-10, November 2006, <http://www.mdpi.org/ecsoc>. Basel, Switzerland, ISBN 3-906980-18-9*
28. M. Saleem, R.U. Khan, N.A. Akhtar, Z.U. Sheikh. Recovery of Barium from Indigenous Barites. *Journal Pakistan Institute of Chemical Engineers (JPICChE) , No.1-2. Vol. XXIII, 1995, pp 109-111*