

## List of Publications

### Books Authored/Edited

1. Gas Cleaning: An Experimental Study, M Saleem, VDM Verlag, Germany, 2010.  
ISBN-10: **3639225872** | ISBN-13: **978-3639225877**.



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#### Gas Cleaning: An Experimental Study: Pulse-Jet Bag Filters [Paperback]

by [Mahmood Saleem](#)

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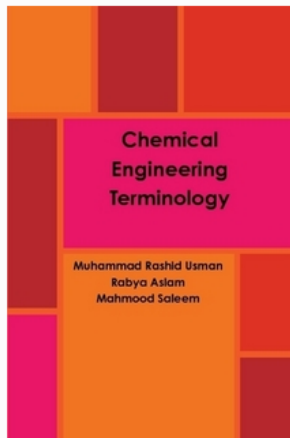
2. Chemical Engineering Terminology, MR Usman, R Aslam, M Saleem, 2013, Lulu, USA **ISBN-10:** 1304379043, **ISBN-13:** 978-1304379047

#### Chemical Engineering Terminology

By [Muhammad Rashid Usman](#), [Rabya Aslam](#), [Mahmood Saleem](#)

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This book is a comprehensive collection of chemical engineering terms in a single volume. It covers generally all the chemical engineering literature and has distinguished features. The book is a useful reference material for the people both at the schools and the industry. Our experience of teaching and research over the years has realized a must book of this kind. Better understanding of the terms helps in better understanding the relevant literature and in communicating with more assurance and less words. The terms are written in alphabetical order. Where a term deserves more elaboration, a rather detailed description is provided. The book also contains a number of labeled diagrams which are extremely helpful for understanding the critical terms.

### Journal Articles Authored/Co-authored

1. Thermo Gravimetric Study of Pakistani Cotton & Maize Stalk using the Iso-Conversional Technique. Ali N, Saleem M, Kamil M, Shahzad K, Chughtai A. Life Sci J 11(8) :382-387, 2014. (ISSN:1097-8135).
2. Fast Pyrolysis Of Pakistani Cotton Stalks In Fluidized Bed Reactor: Design And Preliminary Results, N Ali, M Saleem, K Shahzad, A Chughtai, WA Khan, Life Science Journal 11 (7), 2014.
3. Axial Heat Transfer Investigations In A Circulating Fluidized Bed Combustor Burning, Makarwal Coal, Mahmood Saleem, Waqar Ali Khan, Khurram Shahzad, Science International Lahore 24 (4), 153-157, 2012.
4. Parametric Study of NO<sub>x</sub> Emissions in Circulating Fluidized Bed Combustor, M Saleem, WA Khan, N Awan, NA Akhtar, Journal of the Pakistan Institute of Chemical Engineers 40 (1), 61-68, 2012.
5. On the Stability of Pulse-Jet Regenerated- Bag Filter Operation, M Saleem, G Krammer, Chemical Engineering & Technology (IF 1.394) 35 (5), 904-910, 2012.
6. Influence of operating parameters on cake formation in pilot scale pulse-jet bag filter, M Saleem, G Krammer, RU Khan, MS Tahir, Powder Technology (IF 2.009) 224 (July 2012), 28-35, 2012.
7. Measurement and Simulation of Axial Velocity in a Filter Bag, M Saleem, G Krammer, MS Tahir, Chemical Engineering & Technology (IF 1.394) 35 (00), 1-10, 2012.
8. Effect of Operating Parameters on Resistance Parameters of Filter Media and Limestone Dust Cake for Uniformly Loaded Needle Felts in a Pilot Scale Test Facility at Ambient Conditions, M Saleem, G Krammer, M Suleman, Powder Technology(IF 2.009) 228 (September 2012), 100-107, 2012.
9. An innovative and advanced oxidation process for effluent treatment through wet tube-type electrostatic precipitation, MS Tahir, M Saleem, SR Malik, JR Khan, M Siebenhofer, Chemical Engineering and Processing: Process Intensification (IF 1.957) 52, 4, 2012.
10. Characterization of brush type discharge electrodes and impact of enhanced corona discharge on operation of electrostatic precipitators, M Suleman Tahir, M Saleem, M Siebenhofer, Journal of Electrostatics (IF 1.078) 70 (1), 144-148, 2011.
11. Experimental study of cake formation on heat treated and membrane coated needle felts in a pilot scale pulse jet bag filter using optical in-situ cake height measurement, M Saleem, RU Khan, MS Tahir, G Krammer, Powder Technology (IF 2.009) 214 (3), 388-399, 2011.
12. An overview of the thermodynamic models for acid gases in electrolyte solutions, JA Awan, M Saleem, Journal Of Faculty Of Engineering & Technology 18 (1), 13-29, 2011.

13. Radial Heat Transfer Investigations in a Circulating Fluidized Bed Burning Makarwal Coal, WA Khan, K Shahzad, M Saleem, NA Akhter, MS Tahir, Journal Of Faculty Of Engineering & Technology, 18 (1), 59-70, 2011.
14. Effect of the Geometry of Discharge Electrodes on Corona Onset Field Intensity and Collection Efficiency of Electrostatic Precipitators, MS Tahir, M Saleem, M Siebenhofer, Chemie Ingenieur Technik (IF 0.347) 82 (9), 1383-1384, 2010.
15. Pulping of Wheat Straw using Sulfite Process: An Experimental Study, M Kamil, M Saleem, SR Hameed, ZUH Rizvi, Journal Of Faculty Of Engineering & Technology 16 (1), 1-6, 2010.
16. Experimental study of the effect of stack area on thermal performance of storage type water heaters burning natural gas, Mahmood Saleem, Ahsan Riaz, Journal of Pakistan Institute of Chemical Engineers 37 (1), 2-6, 2010.
17. Production and Characterization of Biodiesel from Waste and Vegetable Oils, MN Younis, MS Saeed, S Khan, MU Furqan, RU Khan, M Saleem, Journal of Quality and Technology Management 5 (1), 2, 2009.
18. Conditioning of Filter Bags with Reactive CaO and Ca(OH)<sub>2</sub> dusts in flue gas, GK Michael Koch, Mahmood Saleem, Peter Puecher, Filtration: The International Journal for Filtration and Separation 9 (3), 2009.
19. Impact of the design of discharge electrode on the Current/Voltage characteristics and the rate of immigration in ESP, MS Tahir, M Saleem, C Gruber, M Siebenhofer, The Nucleus 46 (3), 231-235, 2009.
20. Experimental study of urea granulation, U Irshad, MN Sharif, F Rabbani, A Rauf, M Saleem, The Nucleus 46 (3), 95-99, 2009.
21. Vacuum Gas Carburizing with Acetylene-Gas Phase Modeling of a Bench Scale Reactor, RU Khan, M Saleem, A Shafeeq, Journal of Pakistan Institute of Chemical Engineers 37 (1), 25-30, 2009
22. Coal Desulfurization by Solvent Leaching Methods, A Ahmed, N Ahmad, R Shah, MN Bhatti, M Saleem, Journal of Faculty of Engineering & Technology 2007, 47-56, 2008.
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25. Effect of filtration velocity and dust concentration on cake formation and filter operation in a pilot scale jet pulsed bag filter, M Saleem, G Krammer, Journal of hazardous materials (IF 3.997) 144 (3), 677-681, 2007.

26. Optical in-situ measurement of filter cake height during bag filter plant operation, M Saleem, G Krammer, Powder Technology (IF 2.009) 173 (2), 93-106, 18, 2007.
27. Gas Cleaning with Jet Pulsed Bag Filter: A review, N Ahmed, M Saleem, Journal of Pakistan Institute of Chemical Engineers 35 (1), 65-90, 2007.
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30. Recovery of Barium from Indigeneous Barytes, M Saleem, RU Khan, NA Akhter, ZU Sheikh, Journal of Pakistan Institute of Chemical Engineers 23 (1), 109-111, 1995.
31. Preparation of Iron Free Aluminium Sulfate from Indigeneous Bauxite through Bayers process, M Saleem, NA Akhter, MA Butt, MA Jamil, Journal of Pakistan Institute of Chemical Engineers 23 (1), 95-97, 1995.

## Conference Proceedings

1. CFD simulation of Entrained Flow Coal Gasifier, Umair Azhar, Mahmood Saleem, First International Young Engineers Convention, 18-20 April 2014, Lahore.
2. CFD simulation of Up-draft Coal Gasifier, Nabeel Ahmed, Mahmood Saleem, First International Young Engineers Convention, 18-20 April 2014, Lahore.
3. CFD simulation of Secondary Reformer Burner, Maryam Shakoor, Mahmood Saleem, 5<sup>th</sup> Symposium on Engineering Sciences, 2 April 2014, PU, Lahore.
4. Hydrodynamics of biomass-sand mixture in FBR, Shahid Hussain, Mahmood Saleem, 5<sup>th</sup> Symposium on Engineering Sciences, 2 April 2014, PU, Lahore.
5. Bio-Oil from Biomass, Najaf Ali, Mahmood Saleem, 5<sup>th</sup> Symposium on Engineering Sciences, 2 April 2014, PU, Lahore.
6. Characterization Of Agro-Waste As An Alternative Fuel Source, M Tahir, M Danish, MA Ahmad, M Saleem, A Ahmad, N Feroze, 2013 AIChE Annual Meeting, 3-8 November, San Francisco, USA, 2013.
7. Actinometric Determination of UV-Radiation in Wet-Tube Electrostatic Precipitator (WESP) and Degradation of Pollutants From Wastewater, M Tahir, M Saleem, S Gul, NA Akhtar, MathiasSiebenhofer, AIChE Annual Meeting, 3-8 November, San Francisco, USA, 2013.

8. Enhanced Yield of Bio-Gas Production With Modified Thermo-Reactor Configuration and Separation of CO<sub>2</sub>, M Tahir, M Saleem, 2013 AIChE Annual Meeting, 3-8 November, San Francisco, USA, 2013.
9. FAST PYROLYSIS OF PAKISTANI COTTON STALKS IN FLUIDIZED BED REACTOR: DESIGN AND PRELIMINARY RESULTS, A Najaf, S Mahmood, C Arshad, S Khurram, The 5th International Conference on Applied Energy, Pritoria, South Africa, 2012.
10. Developing Products and Resource Recovery from Industrial Process Waters and Wastewaters, M Tahir, M Saleem, NA Akhtar, JR Khan, M Siebenhofer, 12th AIChE Annual Meeting, Abstract, 2012
11. Burning of Pakistani (Salt Range) Coal in a Circulating Fluidized Bed and Radial Heat Transfer investigations, WA Khan, MS Tahir, K Shahzad, M Saleem, NA Akhtar, UK-Pakistan Coal Conference 2012, Leeds, UK, 32, 2012.
12. Experimental measurement of axial gas flow distribution in pulse-jet bag filter, M Saleem., MS Tahir, G Krammer, 11th World Filtration Congress, Graz, Austria, 2012.
13. "UV-radiation in Wet-tube Electrostatic Precipitator (WESP), MS M. S. Tahir, M. Saleem, S.R. malik, J.R. Khan, International Conference on Engineering Sciences, Lahore-Pakistan, 2012.
14. Advanced Oxidation Processes with DC-Corona Discharge, MS Tahir, M Saleem, M Siebenhofer, AIChE 2011 Annual Meeting, Minneapolis, USA, 2011.
15. On the Stability of Pulse-Jet Regenerated Bag Filter In Case of One Regeneration Pulse At Upper Pressure Drop Limit, M Saleem, MS Tahir, G Krammer, AIChE 2011 Annual Meeting, Minneapolis, USA, 2011.
16. Degradation of Phenol in Tubular Corona Reactor (TCR), MS Tahir, M Saleem, M Siebenhofer, 4th Symposium on Engineering Sciences, 2010.
17. Comparative Study of combustion of waste in combination of coal in CFBC, M Saleem, 4th Symposium on Engineering Sciences, 2010.
18. Pre-Treatment Methods of Minerals for Ex-Situ Mineral Carbonation of Mafic and Ultramafic Minerals, M LATIF, M Saleem, G Khan, 4th Symposium on Engineering Sciences, 2010.
19. Optical measurement of cake thickness distribution and cake detachment on patchily cleaned commercial bag filters, M Saleem, G Krammer, M Ruther, H Bischof, Proceedings of the International Conference and Exhibition for Filtration, 2005.