

Dr. Muhammad Salman

List of Published Research Articles

Total Publications = 57

Cumulative Impact Factor ~ 60.476

Sr. No.	Authors, Title of Paper	Impact
2015		
1.	M. Salman , M. Athar, U. Farooq, Biosorption of heavy metals from aqueous solutions using indigenous and modified lignocellulosic materials – a review, <i>Reviews in Environmental Science and Bio/Technology</i> , 2015 , 14(2), 211-228	3.333
2.	J. Anwar, U. Shafique, Waheed-uz-Zaman, R. Rehman, M. Salman, A. Dar, J. M. Anzano, U. Ashraf, S. Ashraf, Microwave Chemistry: Effect of Ions on Dielectric Heating in Microwave Ovens <i>Arabian Journal of Chemistry</i> , 2015, 8(1), 100-104.	3.725
3.	F. Farooq, U. Farooq, M. Batool, M. Athar, M. Salman , Q. Ahmed, A. Ashraf, Use of wheat straw for effective binding of metal ions via a novel modification <i>Korean Journal of Chemical Engineering</i> , 2015 , 32(9), 1818-1826	1.166
4.	M. Rafique, U. Farooq, M. Athar, M. Salman , M. Aslam, H. M. H. Raza, <i>Gardenia jasmenoides</i> : An ornamental plant for biosorption of lead and cadmium ions, <i>Desalination and Water Treatment</i> , 2015 Date of Acceptance: 20-03-2015	1.173
5.	M. H. Raza, A. Sadiq, U. Farooq, M. Athar, T. Hussain, A. Mujahid, M. Salman , <i>Phragmites karka</i> as a biosorbent for the removal of mercury metal ions from aqueous solution: Effect of modification, <i>Journal of Chemistry</i> , 2015 , Volume 2015, Article ID 293054, 12 pages http://dx.doi.org/10.1155/2015/293054	0.361
2014		
6.	M. Athar, U. Farooq, S. Z. Ali and M. Salman , Insight into the binding of copper(II) by non-toxic biodegradable material (<i>Oryza sativa</i>): Effect of modification and interfering ions, <i>Clean Technologies and Environmental Policy</i> , 2014 , 16, 579-590.	1.934
7.	H. M. Raza, M. Athar, U. Farooq, M. Salman , A. Mujahid, T. Hussain, Chemically Modified biomass from <i>Triticum aestivum</i> for eco-friendly detoxification of Cd(II) and Sn(II) contaminated waters, <i>Polish Journal of Environmental Studies</i> , 2014 , 23(6), 2163-2174.	0.871
8.	M. Salman , M. Athar, U. Farooq, S. Rauf, U. Habiba, A new approach to modification of an agro-based raw material for Pb(II) adsorption, <i>Korean Journal of Chemical Engineering</i> , 2014 , 31, 467-474.	1.166
2013		
9.	M. Salman , M. Athar, U. Farooq, S. Nazir and H. Nazir, Insight to rapid removal of Pb(II), Cd(II) and Cu(II) from aqueous solution using an agro-based adsorbent <i>Sorghum bicolor L.</i> biomass"	1.173

	<i>Desalination and Water Treatment</i> , 2013 , 51, 4390-4401.	
10.	R. Rehman, M. Salman , T. Mahmud, F. Kanwal and Waheed-uz-Zaman, Utilization of chemically modified <i>Citrus reticulata</i> peels for biosorptive removal of Acid Yellow-73 dye from water, <i>J. Chem. Soc. of Pak.</i> , 2013 , 35(3), 611-616.	0.345
11.	M. Salman , M. Athar, U. Farooq, H. Nazir, A. Noor and S. Nazir, Microwave assisted Urea-modified <i>Sorghum</i> biomass for Cr (III) elimination from aqueous solutions <i>The Korean Journal of Chemical Engineering</i> , 2013 , 30(6), 1257-1264.	1.166
12.	M. Athar, U. Farooq, M. Aslam and M. Salman , Adsorption of Pb(II) ions onto biomass from <i>Trifolium resupinatum</i> : equilibrium and kinetic studies, <i>Appl Water Sci</i> , 2013 , 3, 665-672. DOI 10.1007/s13201-013-0115-0	Open Access
13.	S. Z. Ali, M. Athar, U. Farooq and M. Salman , Insight into Equilibrium and kinetics of the binding of Cadmium ions on radiation-modified straw from <i>Oryza sativa</i> <i>Journal of Applied Chemistry</i> , 2013 , Volume 2013, Article ID 417180, 12 Pages	Open Access
2012		
14.	M. Salman , M. Athar, Waheed-uz-Zaman, U Shafique, J. Anwar, R. Rehman, S. Ameer and A. Arshad, Micro-determination of arsenic in aqueous samples by Image Scanning and Computational Quantification, <i>Analytical Methods</i> , 2012 , 4, 242-246	1.821
15.	U. Shafique, A. Ijaz, M. Salman , Waheed-uz-Zaman, N. Jamil, R. Rehman, A. Javaid, Removal of Arsenic from water using Pine Leaves, <i>Journal of Taiwan Institute of Chemical Engineers</i> , 2012 , 43, 256-263.	3.000
16.	R. Rehman, A. Abbas, S. Murtaza, T. Mahmud, Waheed-Uz-Zaman, M. Salman and U. Shafique, Comparative removal of Congo Red dye from water by adsorption on <i>Grewia asiatica</i> leaves, <i>Raphanus sativus</i> peels and activated charcoal, <i>J. Chem. Soc. of Pak.</i> , 2012 , 34(1), 112-119.	0.345
17.	R. Rehman, T. Mahmud, J. Anwar and M. Salman , Isothermal Modeling of Batch Biosorption of Brilliant Green Dye from Water by Chemically Modified <i>Eugenia jambolana</i> Leaves <i>J. Chem. Soc. of Pak.</i> , 2012 , 34(1), 136-143.	0.345
18.	M. Salman , M. Athar, U. Shafique, R. Rehman, Waheed-uz-Zaman, M. Irshad, Microwave Assisted Synthesis of Esterquat for Fabric Softening Applications, <i>J. Chem. Soc. of Pak.</i> , 2012 , 34(2), 415-418.	0.345
19.	R. Rehman, J. Anwar, T. Mahmud, M. Salman , S. Mahboob, Optimization of operational conditions for batchwise biosorption of chromium (VI) using chemically treated <i>Alstonia Scholaris</i> Leaves as Biosorbent <i>J. Chem. Soc. of Pak.</i> , 2012 , 34(2), 292-298.	0.345
20.	R. Rehman, A. Abbas, T. Mahmud, M. Salman , S. Akbar, Thermodynamical and Mechanistic Studies of Direct Red-28 Dye Adsorption on <i>Syzygium cumini</i> Stem, <i>J. Chem. Soc. Pak.</i> , 2012 , 34(5), 1156-1162.	0.345
21.	U. Shafique, J. Anwar, Waheed-uz-Zaman, R. Rehman, M.	2.474

	Salman , A. Dar, N. Jamil, Forced Migration of Soluble and Suspended Materials by Freezing Front in Aqueous Systems, <i>Journal of Hydro-environment Research</i> , 2012 , 6, 221-226.	
22.	M. Salman , M. Athar, U. Shafique, R. Rehman, S. Ameer, S.A. Ali, M. Azeem, Removal of Formaldehyde from Aqueous Solution by Adsorption on Kaolin and Bentonite - a Comparative Study, <i>Turkish Journal of Engineering and Environmental Sciences</i> , 2012 , 36, 263-270.	0.460
23.	M. Salman , R. Rehman, U. Shafique, T. Mahmud, B. Ali Comparative Thermal And Catalytic Recycling Of Low Density Polyethylene Into Diesel-Like Oil Using Different Commercial Catalysts, <i>EJEAFChe</i> , 2012 , 11(2), 96-105.	0.18
24.	M. Salman , R. Rehman, J. Anwar, T. Mahmud, Statistical Analysis Of Selected Heavy Metals In Hair And Nails Of Cancer And Diabetic Patients Of Pakistan <i>EJEAFChe</i> , 2012 , 11(3), 163-171.	0.18
25.	M. Salman , R. Rehman, Waheed-uz-Zaman, J. Anwar, S. Airam, K. Rehman, Microanalysis Of Mercury In Fish And Root Vegetable Samples By Image Scanning Densitometry Using Computationally Quantified Spot Tests, <i>EJEAFChe</i> , 2011 , 11(4), 279-285.	0.18
26.	M. Salman , R. Rehman, U. Shafique, A. Abbas, Toxic and nutritive elements analysis of commercially available tea samples of Pakistan by ICPOES employing microwave digestion, <i>EJEAFChe</i> , 2012 , 11(5), 459-468.	0.18
2011		
27.	J. Anwar, U. Shafique, Waheed-uz-Zaman, Z. Nisa, M. A. Munawar, N. Jamil, M. Salman , A. Dar, R. Rehman, J. Saif, H. Gul, T. Iqbal, Removal of chromium on Polyalthia longifolia leaves biomass. <i>International Journal of Phytoremediation</i> , 2011 , 13, 410-420.	1.739
28.	U. Shafique, J. Anwar, M. Salman , Waheed-uz-Zaman, A. Dar, R. Rehman, M. Azeem, S. Ameer, Novel methods to determine sulfide in aqueous samples by quantification of lead sulfide spots. <i>Journal of Sulfur Chemistry</i> , 2011 , 32(2), 151-157.	0.943
29.	M. Salman , U. Sahfique Waheed-uz-Zaman, R. Rehman, A. Yousaf, F. Azhar, A Rapid Method for Measurement of Nickel and Chromium at Trace Level in Aqueous Samples. <i>Journal of the Mexican Chemical Society</i> , 2011 , 55(4), 213-216.	0.619
30.	M. Salman , M. Athar, U. Shafique, M. I. Din, R. Rehman, A. Akram, S. Z. Ali, Adsorption modeling of alizarin yellow on untreated and treated charcoal, <i>Turkish Journal of Engineering and Environmental Sciences</i> , 2011 , 35(3), 209-216.	0.460
31.	U. Shafique, Waheed-uz-Zaman, J. Anwar, M. A. Munawar, M. Salman , A. Dar, R. Rehman, U. Ashraf, S. Ahmad, A rapid, economical, and eco-friendly method to recycle terephthalic acid from water poly (ethylene terphthalate) bottles, <i>International Journal of polymeric Materials</i> , 2011 , 60(14), 1147-1151.	3.568
32.	R. Rehman, A. Abbas, A. Ayub, Qurat-ul-Ain, M. Salman , T. Mahmud, U Shafique, Waheed-uz-Zaman, Comparative Study of	0.18

	Brilliant Green Dye Adsorption from Water by Radish Peels, Jamun stem and coal. <i>EJEAFChe</i> , 2011 , 10(7), 2531-2543.	
33.	S. Z. Ali, M. Athar, M. Salman , M. I. Din, Simultaneous removal of Pb(II), Cd(II) and Cu(II) from aqueous solutions by adsorption on <i>Triticum aestivum</i> – a green approach, <i>Hydrology:Current Research</i> , 2011 , 2(4), 118. doi:10.4172/2157-7587.100118	1.22
34.	R. Rehman, T. Mahmud, J. Anwar, M. Salman , U. Shafique, Waheed-uz-Zaman, F. Ali, Removal of Alizarin Red S (dye) from aqueous media by using Alumina as an adsorbent. <i>J. Chem. Soc. Pak.</i> , 2011 , 33(2), 228-232.	0.345
35.	T. Mahmud, R. Rehman, R. Hussain, M. Salman , U. Shafique, J. Anwar, Waheed-uz-Zaman, A. Sana, Synthesis, Characterization and Antibacterial Activity of some Enaminones and their complexes with Nickel (II) and Antimony (III) <i>J. Chem. Soc. of Pak.</i> , 2011 , 33(3), 426-432.	0.345
36.	R. Rehman, J. Anwar, T. Mahmud, M. Salman , U. Shafique, Influence of operating conditions on the removal of Brilliant Vital Red Dye from aqueous media by biosorption using Rice Husk. <i>J. Chem. Soc. of Pak.</i> , 2011 , 33(4), 515-521.	0.345
37.	R. Rehman, J. Anwar, T. Mahmud, M. Salman , U. Shafique, Waheed-uz-Zaman, Removal of Murexide (Dye) from aqueous media using Rice Husk as an adsorbent. <i>J. Chem. Soc. of Pak.</i> , 2011 , 33(4), 598-603.	0.345
38.	M. Salman , R. Rehman, T. Mahmud, Waheed-uz-Zaman, U. Shafique, J. Anwar, S. Z. Ali, Assessment of concentration of Lead, Cadmium, Chromium and Selenium in blood serum of Cancer and Diabetic patients of Pakistan, <i>J. Chem. Soc. of Pak.</i> , 2011 , 33(6), 869-873.	0.345
39.	T. Mahmud, R. Rehman, J. Anwar, S. Ali, A. Abbas, M. Salman Mineral and Nutritional Composition of Camel (<i>Camelus dromedarius</i>) Meat in Pakistan, <i>J. Chem. Soc. of Pak.</i> , 2011 , 33(6), 835-838.	0.345
40.	R. Rehman, J. Anwar, T. Mahmud, M. Salman , M. Saleem, Evaluation of Batch Biosorption of Chromium (VI) from Aqueous Solution by Chemically Modified <i>Polyalthia longifolia</i> Leaves. <i>J. Chem. Soc. of Pak.</i> , 2011 , 33(6), 846-852.	0.345
2010		
41.	J. Anwar, M. Salman , U. Shafique, Waheed-uz-Zaman, A. Dar, J. M. Anzano, Micro-Determination of Iron in Pharmaceutical Preparations by Image Scanning and Computational Quantification, <i>Current Medicinal Chemistry</i> , 2010, 17(35), 4424-4426.	3.853
42.	J. Anwar, U. Shafique, Waheed-uz-Zaman, M. Salman , A. Dar, S. Anwar, Removal of Pb(II) and Cd(II) by adsorption on peels of banana, <i>Bioresource Technology</i> 2010, 101, 1752-1755	4.494
43.	J. Anwar, U. Shafique, Waheed-uz-Zaman, M. Salman , Z. Hussain, M. Saleem, N. Shahid, S. Mahboob, S. Ghafoor, M. Akram, R. Rehman, N. Jamil, Removal of chromium from water	1.327

	using peas waste – a green approach <i>Green Chemistry Letters and Reviews</i> 2010, 3(3), 239-243	
44.	T. Mahmud, R. Rehman, A. Gulzar, A. Khalid, J. Anwar, U. Shafique, Waheed-uz-Zaman, M. Salman , Synthesis, characterization and study of antibacterial activity of enaminone complexes of zinc and iron <i>Arabian Journal of Chemistry</i> 2010, 3(4), 219-224	3.725
45.	J. Anwar, Waheed-uz-Zaman, M. U. Shafique, M. Salman , Computational Quantification of Spot Tests by Image Scanning- A New Analytical Technique for Micro Samples <i>J. Anal. Letter</i> 2010, Vol-43(2), 367-371	1.030
46.	J. Anwar, U. Shafique, Waheed-uz-Zaman, M. Salman , A microwave based low cost, eco-friendly device for high temperature reactions in undergraduate laboratories <i>Bulgarian Journal of Chemical Education</i> 2010, 19(5), 142-145	0.036
47.	M. Akram, Waheed-uz-Zaman, Z. Hussain, M. Salman , U. Shafique, R. Rehman, J. Anzano, Synthesis of tallow based esterquat <i>J. Sci. Res.</i> 2010, 40(1), 31-36	
48.	Z. Hussain, A. Nazir, U. Shafique, M. Salman , Comparative study for the determination of metals in milk samples using flame-AAS and EDTA complexometric titration <i>J. Sci. Res.</i> 2010, 40(1), 9-14	
2009		
49.	Removal of Chromium (III) by using coal as adsorbent <i>J. Hazard. Mater.</i> 2009, 171, 797-801	4.529
50.	Adsorption study of cadmium (II) and lead (II) on Radish Peels <i>J. Sci. Res.</i> , 2009, 39(1), 39-34	
51.	Effect of different additives on burning efficiency of the candles <i>World Applied Sciences Journal</i> , 2009, 7(3): 340-342.	
2006-08		
52.	J. Anwar, M. U. Shafique, M. Salman , Waheed-uz-Zaman, I. Asif, Removal of Chromium(III) and Zinc(II) by Using Pods of Pisum Sativum (Garden Peas) <i>J. Sci. Res.</i> , 2008, 38(2), 15-21	
53.	M. Salman , J. Anwar, Waheed-uz-Zaman, M. U. Shafique, S. M. Hussain, Synthesis and Characterization of Formaldehyde by Catalytic Oxidation of Methanol <i>J. Sci. Res.</i> , 2008, 38(2), 1-4	
54.	M. Salman , J. Anwar, Waheed-uz-Zaman, M. U. Shafique, A. Irfan, Preparation of Oil / Water Emulsions of Paraffin and Bees Waxes with Water <i>J. Sci. Res.</i> , 2008, 38(2), 5-8	
55.	M. Salman , J. Anwar, Waheed-uz-Zaman, S. Arif, S. Munir, Rapid Determination of Chemical Oxygen Demand (COD) using Microwave Digestion Followed by Titrimetry <i>J. Sci. Res.</i> , 2008, 38(1), 13-16	
56.	J. Anwar, Waheed-uz-Zaman, M. Salman , N. Jabeen, Extraction of Rice Bran Oil from Local Rice Husk <i>J. Sci. Res.</i> , 2006, Vol-35(1), 59-64	
ACCEPTED ARTICLES		

57.	Chemistry of Ice: Migration of Ions and Gases by Directional Freezing of Water <i>Arabian Journal of Chemistry</i> , (2011) doi:10.1016/j.arabjc.2011.02.019 Date of Acceptance: 19-02-2011	3.725
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BOOKS

Sr. No.	Description
1.	<p>A Full Chapter in an International Book Title: Hazardous Metals: Sources, Toxicity, and Control (Chap – 4) Authors: Umer Shafique, Jamil Anwar, Jesus M. Anzano, Muhammad Salman Book Title: Hazardous Materials: Types, Risks, and Control Series: Environmental Science, Engineering and Technology Editor/s: Satinder Kaor Brar Publisher: Nova Science Publishers Inc. Address: New York, United States ISBN: 978-1-61324-425-8 (Hard Cover) Date of Publication: 2011 (Third Quarter) LINK: https://www.novapublishers.com/catalog/product_info.php?products_id=20178c</p>