

Publications

Peered Review Journal Articles

1. **Muhammad Saleem** and Mohammad Tariq Saeed (2018). Application of waste fruit peels as broad spectrum natural antimicrobial agent: An environmental and antimicrobial approach. *Journal of King Saud University - Engineering Sciences*, (Accepted, In Press).
2. **Muhammad Saleem** (2018). Physicochemical treatment of industrial wastewater using *Moringa. Peregrina* as a coagulant for flocculation: A comparative study. *International Journal of Environmental & Waste Management*, (Accepted, In Press).
3. Mehmood Ali, Atif Mustafaand and **Muhammad Saleem** (2018). Comparative study between indigenous natural flocculants with alum for microalgae harvesting. *Arabian Journal for Science and Engineering*. *Arabian Journal for Science and Engineering*, (Accepted, In Press).
4. **Muhammad Saleem**, Soofia Usmani, Kashif Mairaj Deen and Mehmood Ali, (2018). Evaluation of Saudi origin Rehan Leaves *Ocimum basillicum* L. as corrosion inhibitor for protection of mild steel in 1M HCl solution at various temperatures. *Arabian Journal for Science and Engineering*, (Under Review).
5. Mohammed Tariq Saeed, **Muhammed Saleem**, Soofia Usmani, Izhaar Ahmad Malik, Kashif Mairaj Deen and Faisal Ahmad Al-Shamrani (2018). Corrosion inhibition of mild steel in 1M HCl using extract of sweet melon peel at various temperatures. *Journal of King Saud University - Engineering Sciences*. (Under Review).
6. **Muhammad Saleem** (2018). Natural Mix Algae Possible Source of Renewable Energy, Environmental friendly Bio-hydrogen. *Journal of Abdul-Aziz University: Meteorology, environment and Arid Land Agriculture Sciences*, 27(2), pp31-38(DOI: 10.4197/Met. 27-2.4).
7. **Muhammad Saleem** and Usmaan Jubbar (2018). Feasibility studies of using domestic wastewater for landscape irrigation purposes near a nuclear power plant. *International Journal of Environmental Engineering*, 9(12), pp. 115-129.
8. Saeed Ahmad, **Muhammad Saleem**, Ivelina Georgieva, , Dieter Schaarschmidt, Heinrich Lang, Ghulam Murtaza, Irshad Hussain, Habib-ur-Rehman, Anvarhusein A. Isab, Muhammad Riaz Malik, Saqib Ali (2018). Synthesis, characterization, DFT calculations and antimicrobial studies of cadmium(II) sulfate complexes of thioureas and 2-mercaptopyridine; X-ray structures of polymeric diaqua(N,N' -dimethylthiourea) sulfatocadmium(II) and bis(2-mercaptopyridine)sulfatocadmium(II). *Polyhedron*, 149(1), pp. 126-133. DOI. 10.1016/j.molstruc.2017.03.098
9. Ali, Mehmood & Sultana, Razia & Tahir, Sadia & Watson, Ian A. & **Saleem, Muhammad**, (2017). Prospects of microalgal biodiesel production in Pakistan – A review, *Renewable and Sustainable Energy Reviews*, Elsevier, vol. 80(C), pages 1588-1596.
10. **Muhammad Saleem**, Mehmood Ali, Zia Siddiqi, Abdulrahman Saud Al Qahtani (2017). Preparation of Activated Carbon from Acacia (*Vachellia seyal*) Tree Branches and Application to Treat Wastewater Containing Methylene Blue Dye. *Modern Applied Science*, 11(12), pp. 102-108.
11. **Muhammad Saleem**. (2017). Preparation, Characterization and Adsorption Isotherm Study for Activated Carbon Produced from Palm Date Tree Pruning. *The Journal of Solid Waste Technology and Management*, 43(3), pp. 242-249(8). DOI: <https://doi.org/10.5276/JSWT.2017.242>

12. Nawaz, S., Ghaffar, A., Monim-ul-Mehboob, M., Tahir, M. N., Zierkiewicz, W., Shaheen, M. A., **Saleem, M.**, Javaid, H. M. and Ahmad, S. (2017). Synthesis, Crystal Structure, DFT Modeling and Biological Activity of a Trinuclear Copper(II) Azide Polymer Containing Imidazole and Bridging Imidazolate Ligands, $[Cu_3(Imz-H)_4(Imz)_2(N_3)_4]_n$. Journal of Inorganic and Organometallic Polymers and Materials, 27(2), 510-517. doi:10.1007/s10904-016-0493-5
13. Ahmad, S., Rüffer, T., Khalid, T., Isab, A. A., Al-Arfaj, A. R., **Saleem, M.**, Khan, E. I. U. K. & Choudhary, M. A. (2017). Crystal structure and antimicrobial activity of a transplatin adduct of N, N'-dimethylthiourea, trans-[Pt (NH₃)₂ (dmtu)₂] Cl₂. Monatshefte für Chemie-Chemical Monthly, 148(4), 669-674.
14. Monim-Ul-Mehboob, M., Shaheen, M. A., Sarwar, M., Nawaz, S., Ahmad, T., Tahir, M. N., Javaid, H. M., **Saleem, M.**, and Ahmad, S (2016). Crystal Structure and Antimicrobial Properties of Tetrakis (imidazole) copper (II) triiodide, $[Cu(Imidazole)_4](I_3)_2$. Inorganic and Nano-Metal Chemistry, 47(1), 37-40. DOI: 10.1080/15533174.2015.1137319
15. Awais, M., Afzal, M., Granceri, M. and **Saleem, M.** (2016). Impact of Urbanization on Inflows and Water Quality of Rawal Lake. Pakistan Journal of Scientific and Industrial Research Series A: Physical Sciences. 59(3),167-172.
16. Siddiqi, Z. M., **Saleem, M.**, & Basheer, C. (2016). Surface water quality in a water run-off canal system: A case study in Jubail Industrial City, Kingdom of Saudi Arabia. Heliyon, 2(6), e00128.
17. Sumaira Aslam, Anvarhusein A. Isab, · Mshari A. Alotaibi, **Muhammad Saleem**, · Muhammad Monim-ul-Mehboob · Saeed Ahmad · Ivelina Georgieva · Natasha Trendafilova. (2016). Synthesis, spectroscopic characterization, DFT calculations and antimicrobial properties of silver(I) complexes of 2,2'-bipyridine and 1,10-phenanthroline. **Polyhedron**, 115(1), 212–218.
18. **Muhammad Saleem**. (2015). Evaluation of Indigenous Solar Water Disinfection Reactor. Journal of King Abdulaziz University : Meteorology, Environment and Arid Land Agriculture Sciences, 26 (1), 47-56.
19. S. Ahmad, A. Yousaf, M. Nawaz Tahir, **Muhammad Saleem**, M. Monim-Ul-Mehboob, and W. Linert. (2015). Structural characterization and antimicrobial activity of a silver(I) complex of arginine. Journal of Structural Chemistry 56(8), pp. 1653-1657.
20. M. Akhtar, M. Nawaz Tahir, **Muhammad Saleem**, M. Mazhar, A. Rauf, A. A. Isab, S. Ahmad, and S. Nadeem. (2015). Crystal Structure and Biological Properties of a Tetranuclear Zinc(II) Complex of Cysteamine, $[Zn_4Cym_4Cl_4]$ Prepared in the Presence of Diamines. Russian Journal of Inorganic Chemistry, 2015, Vol. 60, No. 12, pp. 1568–1572.
21. Sadaf, Haseeba, Anvarhusein A. Isab, Saeed Ahmad, Arturo Espinosa, Míriam Mas-Montoya, Islam Ullah Khan, Seerat-Ur Rehman, Muhammad Akhtar Javed Ali, **Muhammad Saleem**, Jose Ruiz and Christoph Janiak. (2015). Synthesis, crystal structure, theoretical calculations and antimicrobial properties of $[Pt(tetramethylthiourea)_4][Pt(CN)_4] \cdot 4H_2O$. Journal of Molecular Structure, 1085, pp. 155-161.
22. Espinosa, Arturo, Manzar Sohail, Mehwish Habib, Komal Naveed, **Muhammad Saleem**, Habib-ur Rehman, Irshad Hussain, Aisha Munawar, and Saeed Ahmad. (2015). Synthesis, crystal structure, theoretical calculations, and electrochemical and biological studies of polymeric (N, N, N', N'-tetramethylethylenediamine) bis (thiocyanato-κN) copper (II), $[Cu(tmeda)(NCS)_2]_n$. **Polyhedron**, 90(1), pp. 252-257.

23. Saeed Ahmad, Arturo Espinosa, Tayyaba Ahmad, Manzar Sohail, Anvarhusein A. Isab, **Muhammad Saleem**, Abdul Hameed, Muhammad Monim-ul-Mehboob, Édgar de las Heras (2015). Synthesis, theoretical calculations and antimicrobial studies of copper(I) complexes of cysteamine, cysteine and 2-mercaptopyruvic acid. *ELSEVIER Polyhedron* 85(1), pp. 239-245.
24. Seerat-ur-Rehman, Anvarhusein A. Isab, Muhammad Nawaz Tahir, Tanzeel Khalid, **Muhammad Saleem**, Haseeba Sadaf, Saeed Ahmad. (2013). Synthesis, crystal structure and antimicrobial studies of a thione derivative of transplatin, trans-[Pt(NH₃)₂(Diaz)₂]Cl₂·2H₂O (Diaz = 1,3-diazinane-2-thione). *ELSEVIER Inorganic Chemistry Communications*. 36: 68-71.
25. **Saleem, M.** (2013). Biosensors a promising future in measurements. IOP Conference Series: Materials Science and Engineering. 2013 *IOP Conf. Ser.: Mater. Sci. Eng.* 51 012012 doi:10.1088/1757-899X/51/1/012012.
26. Chakrabarti, Mohammed Harun; Ali, Mehmood; Usmani, Jafar Nazir; Baroutian, Saeid; **Saleem, Muhammad.** (2013). Technical Evaluation of Pongame and Jatropha B20 Fuels in Pakistan. *Arabian Journal for Science and Engineering*. pp. 1-8.
27. Chakrabarti, M. H., Hajimolana, S. A., Majalli, F. S., **Saleem, M.**, Mustafa, I. (2012). Redox Flow Battery for Energy Storage. *Arabian Journal for Science and Engineering*. 38(4), pp. 723-739. <http://dx.doi.org/10.1007/s13369-012-0356-5>.
28. **Saleem, M.**, Essa, M. H., Chakrabarti, M. H., Low, C. T. J., Hajimolana, S. A., Hussain, M. A., Hashim, M. A., Islam, M. S. (2012). An Economical Means for Remediating a Multiple-Metal Contaminated Soil Using Electro-Kinetic Technology Under Natural Conditions. *International Journal of Electrochemical Science*. 7(2012), pp. 7809-7822.
29. **Saleem, M.**, Chakrabarti, M.H., Rahman, A. A. A, Diya'uddeen, B. H., Daud, W. M. W. A., Mustafa, A. (2012). Hydrogen production by *Chlamydomonas reinhardtii* in a two stage process with and without illumination at alkaline pH. *International Journal of Hydrogen Energy*, Elsevier. 37(6), pp. 4930–4934.
30. **Saleem, M.**, Chakrabarti, M.H., Diya'uddeen, B. H., Islam, M.S., Hajimolana, S.A., Hussain, M.A., Yusoff, R., Khan, G.M.A. and Ali, B.S. (2012). On site Electrochemical Production of Sodium Hypochlorite Disinfectant for a Power Plant utilizing Seawater. *International Journal of Electrochemical Science*. 7(2012), pp. 3929-3928.
31. **Saleem, M.**, Chakrabarti, M. H. and Diya'uddeen, B. H. (2011). Electrochemical removal of nitrite in simulated aquaculture wastewater. *African J. Biotechnology*, 10(73), pp. 16566-16576.
32. Isab, A.A., Ali, M.A.J., Sharif, S., Khan, I.U., Kang, S.K., Khalid, T., **Saleem, M.**, and Ahmad, S. (2011). Synthesis, crystal structure and antimicrobial studies of chlorido(dimethylsulfoxide-κS)(pyrrolidinedithiocarbamate-κ₂S,S')platinum(II). *Inorganic Chemistry Communications*, Elsevier. 14(12), pp. 1962-1965.
33. Malik, M. R., Vasylyeva, V., Merz, K., Metzler-Nolte, N., **Saleem, M.**, Ali, S., Isab, A.A., Munawar, K. S., and Ahmad, S. (2011). Synthesis, crystal structures, antimicrobial properties and enzyme inhibition studies of zinc(II) complexes of thiones. *Inorganica Chimica Acta*, Elsevier. 376(1), pp. 207-211.
34. **Saleem, M.**, M. H. Chakrabarti, M. F. Irfan, S. A. Hajimolana, M. A. Hussain, B. H. Diya'uddeen, W. M. A. W. Daud. (2011). Electrokinetic Remediation of Nickel From Low Permeability Soil. *Int. J. Electrochem. Sci.*, 6(9), pp. 4264-4275.

35. Chakrabarti, M. H., **Saleem, M.**, Irfan, M.F., Raza, S., Hasan, D.B. and Daud, W.M.A.W., (2011). Application of waste derived activated carbon felt electrodes in minimizing NaCl use for electrochemical disinfection of water. *Int. J. Electrochem. Sci.*, 6(10), pp. 4470-4480.
36. Skyllas-Kazacos, M., Chakrabarti, M. H., Hajimolana, S. A., Mjalli, F. S. and **Saleem, M.**, (2011). Progress in Flow Battery Research and Development. *J. Electrochem. Soc.*, 158(8),pp. 55-79, DOI:10.1149/1.3599565
37. Nawaz, S., Isab, A.A., Merz, K., Vasylyeva, V., Metzler-Nolte, N., **Saleem, M.** and Ahmad, S., (2011). Synthesis, characterization and antimicrobial studies of mixed ligand silver(I) complexes of triphenylphosphine and heterocyclic thiones: Crystal structure of bis[μ -diazinane-2-thione](diazinane-2-thione)(triphenylphosphine)silver(I) nitrate}. **Polyhedron** 30(9), pp. 1502-1506
38. Chakrabarti, M.H., Ali, M., Baroutian,S., **Saleem, M.**, (2011). Techno-economic comparison between B10 of *Eruca sativa* L. and other indigenous seed oils in Pakistan. *Process Safety and Environmental Protection*, ELSEVIER. 89(3), pp. 165-171. (*ISI/SCOPUS Cited Publication*)
39. Bae, C., Roberts, E. P. L., Chakrabarti, M. H., and **Saleem, M.**, (2011). All-Chromium Redox Flow Battery for Renewable Energy Storage. *International Journal of Green Energy*, 8(2), pp. 248–264.
40. Chakrabarti, M. H., Roberts, E. P. L., Bae, C. and **Saleem, M.**, (2011). Ruthenium based redox flow battery for solar energy storage. *Energy Conversion and Management*, 52, pp. 2501-2508
41. **Saleem, M.** (2011). Biofouling Management in the Cooling Circuit of a Power Industry Using Electrochemical Process. *Journal of The Chemical Society of Pakistan*, 33(3), pp. 295-304.
42. Shahid, M., **Saleem, M.**, Ibrahim, F. (2011). Production and characterization of activated carbon using indigenous waste materials. *Pakistan Journal of Scientific & Industrial Research* 54(3), pp. 152-154.
43. **Saleem, M.**, Bukhari, A.A., Akram, M.N. (2011). Electrocoagulation, to enhance the quality of wastewater to be used for landscape irrigation and plantation. *Journal of Basic and Applied Sciences*, 7(1), pp. 11-20.
44. **Saleem, M.** (2010). Environmental impact assessment of nuclear desalination plant at KANUPP. *The Nucleus*, 47(4), pp. 313-322.
45. **Saleem, M.** (2010). Nitrite removal from marine aquaculture wastewater using electrochemical process. *The Nucleus* 47(3), pp. 219-224.
46. **Saleem, M.**, and Essa, M.H. (2010). Suitability for sustainable reuse of secondary effluent: A case study in Saudi Arabia. *NED University Journal of Research*, 4(1), pp. 23-34.
47. Ahmed, M.F., **Saleem, M.**, (2010). Disinfection of Municipal Water using Solar Radiation: An Economical Approach for Rural Dwellers in the Coastal Region of Karachi. *The Nucleus*, 47(2), pp. 165-171.
48. Isab, A.A., Nawaz, S., **Saleem, M.**, Altaf, M., Monim-ul-Mehboob, M., Ahmad, S., Evans, H.S. (2010). Synthesis, characterization and antimicrobial studies of mixed ligand silver(I) complexes of thioureas and triphenylphosphine; Crystal structure of $\{[Ag(PPh_3)(thiourea)(NO_3)]_2 \cdot [Ag(PPh_3)(thiourea)]_2(NO_3)_2\}$, *Polyhedron*, Elsevier. 29(2010), pp. 1251-1256.

49. Evans, H.S., Batool, S.S., Altaf, M., Isab, A.A, Ahmad, S., **Saleem, M.**, Awan, S.A., (2010). Mercury(II) complexes of pyrrolidinedithiocarbamate, crystal structure of bis{[\square 2-(pyrrolidinedithiocarbamato-S,S/) (pyrrolidinedithiocarbamato-S,S/mercury(II))}. Journal of Coordination Chemistry, 63(7), pp. 1176-1185.
50. Ahmad, S., Ruffer, T., Lang, H., Nadeem, S., Tirmizi, S.A., **Saleem, M.**, Anwar, A., (2010). Synthesis, Crystal Structure and Antimicrobial Studies of trans- [Pd(PPh₃)₂(imidazolidine-2-thione)₂]Cl₂.3.5H₂O. Russian Journal of Coordination Chemistry, 36(7), pp. 520–524.
51. Chakrabarti, M. H., Roberts, E. P. L., and **Saleem, M.**, (2010). Charge/discharge performance of a novel undivided redox flow battery for renewable energy storage, International Journal of Green Energy, 7(4), pp. 445–460.
52. Bae, C. H., Roberts, E. P. L., Chakrabarti, M. H., and **Saleem, M.**, (2010). Synthetic chromium contaminated wastewater for redox flow battery applications, Chemosphere, Elsevier, (Under Review).
53. Chakrabarti, M. H., Ali, M., Baroutian, S., & **Saleem, M.** (2011). Techno-economic comparison between B10 of Eruca sativa L. and other indigenous seed oils in Pakistan. Process Safety and Environmental Protection, 89(3), 165-171.
54. **Saleem, M.** (2009). Wastewater reuse potential in Pakistan: Guidelines for environment and public health protection. International J. of Environmental Engineering 1(3), pp. 306-320.
55. G. Rabbani, A. A. Isab, A. R. Al-Arfaj, S. Ahmad, **M. Saleem** and A. Hameed. (2009). Synthesis, Spectroscopic Characterization and Antimicrobial Studies of Mercury(II) Complexes of Thiolates. Spectroscopy 23(1), pp. 45-50.
56. **Saleem, M.**, (2007). Pharmaceutical wastewater treatment: A physicochemical study. Journal of Research (Science), 2 April 2007, 18(2), pp. 125-134.
57. Saleem, **M.**, M.S. Al-Suwaiyan; S.A. Aiban; A.M. Ishaq; M.H. Al-Malack and M. Hussain (2004). Estimation of Spilled Hydrocarbon Volume – The State-of-The-Art. Environmental Technology, 25(9), pp. 1077-1090.
58. **Saleem, M.**, Bukhari, A.A., and Al-Malack, M.H., (2003). Seasonal variations in the bacterial population in an activated sludge system. Journal for Environmental Engineering and Science. NRC, Canada. 2(2): March 2003, pp 155-162(8).
59. **Saleem, M.**, Al-Malack, M.H., and Bukhari, A.A., (2001). Seasonal variations in the microbial population density present in biological sludge. Environmental Technology 22(3), pp 255-259.
60. **Saleem, M.**, Bukhari, A.A., and Al-Malack, M.H., (2000). Removal efficiencies of indicator micro-organisms in the Al-Khobar wastewater treatment plant. Environmental Engineering Science 17(4), pp 227-232.
61. **Saleem, M.**, Parvez, A. and Arshad, M., (1995). Calculation of Lattice Cell Constants for the PHWR Benchmark Using the Computer Code WIMS-D/4. The Nucleus, 32 (1, 2), pp. 1-11.

Papers at Local and International Conferences

1. **Saleem, Muhammad.**, & Ali, Mehmood. (2016). Sustainable Energy Measures in Saudi Arabia Based on Renewable Energy Sources: Present Actions and Future

- Plans. Invited Speaker in 4th International Conference on "Energy, Environment and Sustainable Development. (EESD 2016), at Mehran University of Engineering and Technology, Jamshoro, Pakistan, November, 1-3, 2016.
2. Mehmood Ali, Ion Watson, Jaime Toney and **Saleem, Muhammad.** (2015). Bio-crude oil from microalgal biomass to produce environmentally friendly higher value fuels and chemical compounds, 7th International Civil Engineering Congress, scheduled on 12-13th June, 2015 at IEP Centre, Karachi, Pakistan.
 3. **Saleem, Muhammad.** (2015). Consume Mineral Oil with Care: Use Biodiesel a Renewable Energy Resource for Sustainable Future, World Environment Day, scheduled on 4th June, 2015" at Fanateer Conference Hall, Jubail Industrial City, Jubail, Saudi
 4. **Saleem, M.** (2014). "Electron Beam Treatment of MTBE Contaminated Wastewater for Reuse Application". The Royal; Commission International Conference on Latest Technologies of Industrial Waste Recycle & Reuse' scheduled on 3th and 4th December, 2014" at Jubail Industrial City, Jubail, Saudi Arabia, December 3-4, 2014.
 5. **Saleem, Muhammad.** (2014). Stratospheric Ozone Depletion and its Health Effects, World Environment Day, scheduled on 5th June, 2014" at Jubail Industrial City, Jubail, Saudi
 6. **Saleem, Muhammad.** (2013). Ways and Technologies for Crop Yield Augmentation, World Environment Day, scheduled on 5th June, 2013" at Jubail Industrial City, Jubail, Saudi Arabia, June 5, 2013.
 7. **Saleem, Muhammad.** (2012). Engineering Education: Some Issues in Saudi Arabia, Jubail Engineering Education Conference, scheduled on 14th and 15th May, 2012" at Jubail Industrial City, Jubail, Saudi Arabia, May 14-15, 2012.
 8. **Saleem, Muhammad.** (2012). Assessment of wind power energy: An option for renewable energy in the Kingdom of Saudi Arabia, World Environment Day, scheduled on 5th June, 2012" at Jubail Industrial City, Jubail, Saudi Arabia, June 5, 2012.
 9. **Saleem, Muhammad.**, Hussain, A., Essa, M.H. (2012). Quality Assessment of Malir River in Term of Trace Metal Contamination. International Conference on Energy, Environment and Sustainable Development EESD2012 , Mehran University of Engineering & Technology, Jamshoro, Pakistan, February 27-29, 2012.
 10. **Saleem, Muhammad,** Bukhari, A.A. (2011). "Electrokinetic decontamination of metal contaminated soil: evaluation of operating parameters". 1st Jubail International Environmental Conference' scheduled on 5th and 6th June, 2011" at Jubail Industrial City, Jubail, Saudi Arabia, June 5-6, 2011.
 11. **Saleem, Muhammad,** Mohsin, F. and Zaman, N. (2010). "Production, Characterization and Adsorption Isotherm Study for Activated Carbon Produced at KINPOE". 3rd National "Energy Resources of Pakistan: Potential, Utilization, Conservation and Impact on Environment" at Quaid-e-Awam University of Engineering, Science & Technology, Nawabshah, March 18-20, 2010.
 12. **Saleem, Muhammad.**, Hussain, A. and Samo, S.R. (2010). "Contribution of S.I.T.E. area drainage system of Karachi in polluting the Lyari River". 3rd National "Energy Resources of Pakistan: Potential, Utilization, Conservation and Impact on Environment" at Quaid-e-Awam University of Engineering, Science & Technology, Nawabshah, March 18-20, 2010.

13. Mohsin, F., **Saleem, M.** and Akhter, S. (2010). "Utilization of Biomass as Renewable Energy in Pakistan". 3rd National "Energy Resources of Pakistan: Potential, Utilization, Conservation and Impact on Environment" at Quaid-e-Awam University of Engineering, Science & Technology, Nawabshah, March 18-20, 2010.
14. Hussain, S. A., **Saleem, M.** and Hussain, A. (2010). "Energy Scenario of Pakistan: A Review". 3rd National "Energy Resources of Pakistan: Potential, Utilization, Conservation and Impact on Environment" at Quaid-e-Awam University of Engineering, Science & Technology, Nawabshah, March 18-20, 2010.
15. **Saleem, Muhammad,** Essa, M.H. and Chakrabarti, M.H. (2009). "Production of sodium hypochlorite disinfectant from seawater in power industry using electrochemical process". 1st International Conference on Energy and Environment: Role of Energy Resources in Sustainability of Environment Organized by Energy and Environment Engineering Department In collaboration with Higher Education Commission (HEC) at Quaid-e-Awam University of Engineering Science and Technology, Nawabshah, Pakistan, February 26-29, 2009.
16. **Saleem, Muhammad.,** Hussain, A. and Samo, S.R. (2009). "Water Scarcity and Wastewater Reuse Guidelines for Environment and Public Health Protection in Pakistan". 1st International Conference on Energy and Environment: Role of Energy Resources in Sustainability of Environment Organized by Energy and Environment Engineering Department In collaboration with Higher Education Commission (HEC) at Quaid-e-Awam University of Engineering Science and Technology, Nawabshah, Pakistan, February 26-29, 2009.
17. **Saleem, M.,** Hussain, A., and Irfan, N. (2008). "Disinfection of secondary effluent with ozone, UV-radiation and electrochemical process for the inactivation of bacterial and viral indicators". 2nd National Conference on Energy and Environment: Issues, Concerns and Options Organized by Energy and Environment Engineering Department In collaboration with Higher Education Commission (HEC) at Quaid-e-Awam University of Engineering Science and Technology, Nawabshah, Pakistan, March 27-29, 2008.
18. **Saleem, Muhammad.,** Hussain, A., and Essa, M.H. (2006). "Stabilization of domestic sewage sludge with CKD to be used as fertilizer: A case study". International Conference on Agricultural Engineering: Issues and Strategies. Faculty of Agricultural Engineering & Technology University of Agriculture, Faisalabad, Pakistan, Feb. 16-18, 2006. pp. 298-305.
19. Hussain, A., **Saleem, M.,** and Hussain, M.A. (2006). "Utilization of Malaysian agricultural wastes for energy production". International Conference on Agricultural Engineering: Issues and Strategies. Faculty of Agricultural Engineering & Technology University of Agriculture, Faisalabad, Pakistan, Feb. 16-18, 2006. pp. 19-27.
20. **Saleem, Muhammad.** (2006). "Pharmaceutical wastewater treatment: A physicochemical study". The Chemical Society of Pakistan, 6th International and 16th National Chemistry Conference on Quality of Life and Chemical Sciences, Department of Chemistry, Bahauddin University, Multan Pakistan, April 6-8, 2006.
21. Al-Suwaiyan, M., Ishaq, A.M., Essa, M.H., **Saleem, M.** (2006), Assessment of the status of USTs at service stations in Eastern Saudi Arabia", Presented in the Fourth Saudi Technical Conference & Exhibition, Riyadh, Saudi Arabia
22. Al-Suwaiyan, M.S., Ishaq, A.M., Essa, M.H., and **Saleem, M.,** (2003). Effluent quality enhancement through tertiary treatment. *Water Science & Technology Association,*

Presented in Sixth Gulf Water Conference in concurrence with Second Symposium on Water Use in the Kingdom. 8-12 March 2003, Riyadh, Saudi Arabia.

23. Al-Malack, M.H., Basha, K.I., and **Saleem, M.**, (2002). Inactivation of indicator bacteria using ultraviolet radiation. Presented in the *International Conference on Wastewater Management and its Effects on the Environment in Hot and Arid Countries*. 12-14 October 2002, Muscat, Sultanate of Oman.1, pp. 1-10.

Invited Lectures & Keynote Speaker

1. **Saleem, M.**, (2018). Biofouling Management in the Cooling Circuit of a Power Industry Using Electrochemical Process **Invited Speaker** in JUBCOR 2018, Corrosion Control of Infrastructure, Organized by NACE, Jubail KSA Section, Supported by NACE International, scheduled on May 7th to 8th, 2018. Hotel Intercontinental, Jubail Industrial City, Saudi Arabia.
2. **Saleem, M.**, (2018). Pharmaceutical wastewater treatment: A physicochemical case study. **Invited Keynote Speaker** in Second Annual Science Symposium Organized by GS Department, scheduled on March 21, 2018. Jubail University College Multi-Purpose Hall, Jubail Industrial City, Saudi Arabia.
3. **Saleem, M.**, (2017). Green Buildings: A concept **Invited Keynote Speaker** at Jubail University College Organized by Student Council of JUC, scheduled on December, 26, 2017. Jubail University College Multi-Purpose Hall, Jubail Industrial City, Saudi Arabia.
4. **Saleem, M.**, (2017). Renewable & Sustainable Energy Sources: A bio-hydrogen production project from seawater algae with promising results at JUC, Saudi Arabia, **Invited Keynote Speaker**, at **DICE** Energy & Water Distinguished Innovations, Collaboration & Entrepreneurship (Dice), December 12-13, 2017, MUET, Jamshoro, Pakistan
5. **Saleem, M.**, (2017). Renewable & sustainable energy sources: An option for future research. **Invited Keynote Speaker** in First Science, Technology, Engineering and Mathematics Organized by GS Department, scheduled on March 29th, 2017. Jubail University College Multi-Purpose Hall, Jubail Industrial City, Saudi Arabia.
6. **Saleem, M.**, (2017). Decontamination of contaminated low permeable soil. **Invited Speaker** in Lecture Series organized by Faculty Development Committee, JUC at JUC November, 30th, 2017.
7. **Saleem, M.**, (2017). Renewable & sustainable energy sources: An option for future research. **Invited Keynote Speaker** in First Science, Technology, Engineering and Mathematics Organized by GS Department, scheduled on March 29th, 2017. Jubail University College Multi-Purpose Hall, Jubail Industrial City, Saudi Arabia.
8. **Saleem, M.**, (2016). Sustainable Energy Measures in Saudi Arabia Based on Renewable Energy Sources: Present Actions and Future Plans. **Invited Speaker** in 4th International Conference on "Energy, Environment and Sustainable Development. (EESD 2016), at Mehran University of Engineering and Technology, Jamshoro, Pakistan, November, 1-3, 21016.
9. **Saleem, M.**, (2016). Research Methodologies in Academics. **Invited Speaker** in 4th IT Symposium 2016: Innovation in Educational Research Methods, scheduled on May 31, 2016. Jubail University College Multi-Purpose Hall, Jubail Industrial City, Saudi Arabia.
10. **Saleem, M.**, (2015). Root cause of the plagiarism in Academic Work. **Invited Keynote Speaker** in 3rd IT Symposium 2015: Best Practices to Detect Originality in Academic

Work, scheduled on May 11, 2015. Jubail University College Multi-Purpose Hall, Jubail Industrial City, Saudi Arabia.

11. **Saleem, M.**, (2013). Biosensors a promising future in measurements. ***Invited Keynote Speaker*** in 1st International Conference on Sensing for Industry, Control, Communications, & Security Technologies (ICSICCST-2013). Dr. Saleem-uz-Zaman Siddiqui Auditorium - University of Karachi, Karachi, Pakistan. June 24 - 26, 2013.
12. Delivered an ***Invited lecture*** about research collaboration between Industry and JUC, at **Saudi Kayan Petrochemical Co** (a SABIC Affiliate), Jubail, Saudi Arabia.