

Research Publications

1. **Shagufta Ishtiaque**, Nasir Khan, Muhammad A. Siddiqui, Rahmanullah Siddiqui and Shahina Naz, Antioxidant Potential of the extracts, Fractions and oils derived from oilseeds, antioxidants, pp.246-256, vol.2, ISSN 2076-3921, 2013. **(Scopus,IF 0.8)**
2. Rahmanullah Siddiqui, Shahina Naz, Syed Asad Sayeed, **Shagufta Ishteyaque**, Muhammad Samee Haider, Omer Mukhtar Tarar & Khalid Jamil, Antioxidant Potential of the Polyphenolics in Grewiaasiatica, Eugenia Jambolana and Carissa Carandas, Journal of Agricultural Science, Vol 3, pp.217-223, ISSN 1916-9752,2013. **(International Journal)**
3. N. Soomro, A. R. Memon, **Shagufta Ishteyaque**, “Remedial measure of health and safety in Ginning Industry of Pakistan”, Sindh University Research Journal (Science Series), Vol 46(2) pp.185-188.ISSN 1813-1743, 2014. **(HEC-Y category)**
4. Mujtaba Ellahi, M. Y. Rafique, **Shagufta Ishtiaque**, M. Furqan Ali, and Jameel Memon, “Study on the Effects of Epoxy Resin Based Polymer Dispersed Liquid Crystal Films Using Polythiol Group (–SH) as Hardener and Catalyst”, Materials Focus, Thomson router, Vol. 4, ISSN 2169-, pp. 197–201, 2015. **(ESCI) Web of Science (Thomson Reuters)**
5. Iqbal, T., Yasin, S., Zafar, M., Zahid, **Shagufta Ishtiaque**,.. and Briscoe B. “Nanoindentation Response of Scratched Polymeric Surfaces”, Tribology Transactions; pp.801–806,ISSN 1040-2004; Tailor & Frasnccis,Vol. 58, 2015. **(IF 0.8)**
6. **Shagufta Ishteyaque**, N. Soomro, “Saw Gin Speed on the Quality of Cotton”, Sindh University Research Journalpp.25-28. Vol.47 (1), ISSN 1813-1743, 2015. **(HEC-Y category)**
7. N. Soomro, N. Mengal, and **Shagufta Ishteyaque**, “Influence of contaminated cotton on yarn manufacturing”, Sindh University Research Journal(Science Series), Vol. 47,65-66, ISSN 1813-1743. 2015. **(HEC-Y category)**
8. Muhammad Shoaib, Ahsan Abdul Ghani, **Shagufta Ishteyaque**and Wasi Z. Khan, Modelling of Methyl Stearate Biodiesel Production by Reactive Distillation, International Journal of Scientific Research (IJSR), ISSN NO 2277 - 8179 , vol.6, pp- 1 -6,2016.**(International Journal)**
9. Wasi Z Khan, Imad Najeeb and **Shagufta Ishtiaque**, Photodegradation of Real Textile Wastewater with Titanium Dioxide, Zinc Oxide and Hydrogen Peroxide during UV Treatment, The International Journal of Engineering and Science (IJES), ISSN 2250-3021, pp. 2280-8785, Vol. 06, 2016. **(International Journal)**
10. Wasi Z Khan, Imad Najeeb, **Shagufta Ishtiaque**and Suraiya Jabeen, “Photodegradation of Real Pharmaceutical Wastewater with Titanium Dioxide, Zinc Oxide, And Hydrogen Peroxide during UV Treatment, International organization of Scientific Research (IOSR), ISSN 2250-3021, pp. 2278-8719, Vol. 06, 2016. **(International Journal)**

11. S. Sikandar, **Shagufta Ishtiaque**, N. Soomro, Hazard and Operability (HAZOP) study of wastewater treatment unit producing biohydrogen, Sindh University. Research. Journal. (Sci. Ser.) Vol. 48 (1) pp.131-136, ISSN 1813-1743 2016. **(HEC-Y category)**
12. W. Khan, V. Inglezakis, **Shagufta Ishtiaque** and K. Moustakas “Application of Decision Support Software tool in solid waste management in Karachi, pp I–III Waste Management 48, ISSN: 0956-053X Elsevier, 2017. (IF 0.8)
13. Aziza Aftab Memon, Shaheen Sheikh, Mohammad Siddique, **Shagufta Ishtiaque**, Abdul Sattar Jatoti, Faisal Mushtaq, “Di-methyl ether (dme) prospective in terms of conventional fuels in Pakistan from gasification of aboriginal coal”, Journal of Applied and Emerging Sciences, vol.2, ISSN: 2415-2633 2017. **(HEC-Z category)**
14. **Shagufta Ishtiaque**, Suraiya Jabeen and Shumaila Shoukat, HAZOP study on oil Refinery Waste Water treatment plant in Karachi, Social Science Research network-Elsevier (SSRN),2017.**(International Journal)**
15. Asia Neelam, Omm-e-Hany, Syed Junaid Mahmood and **Shagufta Ishtiaque**, Properties and Thermal Degradation Studies of Gelatin-Based Film – Exploring the Biopolymer for Plastic Advancement, International Journal of Food and Nutritional Science, ISSN: 2377-0619 pp 69-73, vol5(1),2018. **(International Journal)**
16. Abid Karim, **Shagufta Ishtiaque**, Faisal Afridi, Rabia Kaneez, Shaikh Kamaludin, Arif Karim, Aqeel Ahmed Khan, Ahmed Abouesayed, Abdul Rasheed Solungi, Faisal Ghanzanfar, Mansoor Hai, A Simple Approach to Design & Fabricate an Efficient Heat Pump, Journal of Applied and Emerging Sciences, ISSN:2415-2633, vol8, pp.186-193, **2018**. **(HEC-Z category)**.
17. Asia Neelam, Omm-e-Hany, **Shagufta Ishtiaque**, Kekshan Nawaz, Syed Junaid Mahmood, Mohammad Siddique, Analysis of Physical, Mechanical and Thermal degradation studies of Gelatin-based film –Exploring the biopolymer for plastic advancement, Journal of Applied and Emerging Sciences, ISSN: 2415-2633, Vol 8, pp.8(1), **2018**. **(HEC-Z category)**.
18. **Shagufta Ishtiaque**, Omm-e- hany and Asia Neelam “Physical properties and biodegradable study of metalized and non-metalized polypropylene (PP) films: A comparative Research, Current World Environment, vol.14, ISSN.0973-4929, **2019**. **International Journal**
19. **Shagufta Ishtiaque**, Shahina Naz, Jawaad Ahmed, and Arshad Faruqi, Barrier Properties Analysis of Polyethylene Terephthalate Films (PET) Coated with Natural Polyphenolic and Gelatin Mixture (PGM), Scientific net, Trans Tech Publications, Vol.38, pp38-43,**2018**. **(International Journal)**

20. Asia Neelam, Omm-e-Hany and **Shagufta Ishteyaque**, Microplastic- A potential threat to marine vertebrates a Mini Review, Journal of Basic and Environmental Sciences, vol, 5, pp.155-161,2018. **(ISI index)**
21. **Shagufta Ishteyaque**, Shahina Naz, Aziza Aftab, Arshad Faruqi and Asia Neelam, Analysis of Barrier Properties of Low-Density Polyethylene films (LDPE) after addition of natural Polyphenolic extract, Journal of Chemical, Biological and Physical Sciences, Vol. 8, ISSN:2249-1929, DOI:10.24214/Jchps.A.8.2.21019, pp. 210-219,2018. **International**
22. **Shagufta Ishtiaque**, Shahnawaz, Noor Ullah Soomro, Kehkashan and Jawwad Ahmed, "Antioxidant Activity and Total Phenolics Contents of Extracts from Murraya Koenigii (Curry Leaves), Laurus Nobilis (Bay Leaves) and Camellia Sinensis (Tea)", Quaid-e-Awam University Research Journal, ISSN: 1605-8607, 2015. **(HEC-Y category)**
23. **Shagufta Ishtiaque**, Shahina Naz, Rahmanullah Siddiqi, Jawad Ahmed and Suriaya Jabeen, "Antioxidant Activity and Phenolics Contents of Methanolic extract of Ajwain, Mustard Fenugreek and Poppy Seed" Recent Innovations in Chemical Engineering, pp 119-127, Vol 7, ISSN 2405-5212., 2014.
24. **Shagufta Ishteyaque**, Shahina Naz, Rahmanullah Siddiqi, Syed Umer Abdullah, Kekshan Khan, Jawad Ahmed, Muhammad Badaruddin, "Antioxidant Activities of Extracts from Terminalia catappa, Carrisacarandas, and Opuntiaficusindica fruits", Recent Innovations in Chemical Engineering,pp.106-112, Vol 7, ISSN 2405-5212, 2014. **International Journal**
25. Ibrahim Mustafa, **Shagufta Ishteyaque**., X.Y. XU and N.B Wood "Turbulence Modeling in Sensed Carotid Arteries Using CFD", Yanbu, Saudi Arabia, Journal of Engineering and science, ISSN 1658-5321, Vol.2, pp.83-89. 2011. **International Journal**
26. Wasi Uz Zaman Khan, Vassillis Inglezakis, **Shagufta Ishtiaque**, Konstantinos Moustakas" Assessment of municipal solid waste practices in Karachi city, Pakistan", International Journal of Environment and Waste Management, pp 131-151, vol 24,2019 **International Journal**
27. Awan, Zahoor Ul Hussain; Ghouri, Zafar Khan; Hashmi, Saud; Raza, Faizan; **Ishtiaque, Shagufta**;Nadeem, Saad, Ullah, Inayat, Nahm, Kee Suk, ACS Sustainable Chemistry & Engineering, "Electrocatalysts for the Lithium air batteries: Current status and the challenges", pp21-29. 2019. **ISSN 2168-0485. (IF=7.0)**
28. **Shagufta Ishteyaque**, Suraiya Jabeen, Ahsan Abdul Gani, Sidra Sikandar and Qazi Saim, Hazard and Operability Study of Gas Exploration Field Located in Pakistan, Sind University Research Journal, Vol 52, Vol 51, pp.189-194. **(HEC-Y category)**

29. **Shagufta Ishtiaque**, Sidra Sikandar, Mehwish Altaf and Muhammad Faisal Akhter, Hazard and Operability Analysis (HAZOP) of a Plastic Manufacturing Plant at Karachi, Pakistan, Journal of Applied and Emerging Sciences, Vol 09, pp 1-7, ISSN: 2415- (**HEC-Z Category**).
30. **Shagufta Ishteyaque**, Sidra Sikandar, Syed Ali Raza, Danish Jawed, M. Shoaib, Ahmed Ansari and Muzzammil Khatri, HAZOP Study of Raw Gas Condensate based Refinery located in Pakistan, Sind University Research Journal, vol.53, pp20-25. (**HEC-Y category**)
31. Syeda Hira Bukhari , Nimra Ayub, Umme Laila Awan, Sundus Fatima and **Shagufta Ishteyaque** Screening of Ethnomedicinal Plant (cocos nucifera l.) as a solution to Antimicrobial Resistance", Journal of microbiology, biotechnology and food sciences, ISSN 1338-5178,pp 775-782,,2019. (**ISI Indexed**)
32. Zeeshan Akhtar, Syed Imran Ali, Naseem Abbas, Muhammad Ali, **Muhammad Yasir Khan**, Syed Adnan Hasan. Shadab Ahmed, Suryyia Manzoor and Zubala Lutfi "Evaluation of Antibacterial Potential of New Acid Dyes Based on Substituted Aryl Amines and Amino Hydroxy Sulfonic Acid " Jounal of chemical society of Pakistan, 42 (2020) 783-788. (IF: 0.28)
33. Zeeshan Akhtar, Syed Imran Ali, Naseem Abbas, **Muhammad Yasir Khan**" Synthesis, Characterization and Dyeing Assessment of Novel Acid Dyes on Wool Fabric IV" Jounal of chemical society of Pakistan, 41 (2019) 633-639. (IF: 0.28)
34. Danial Ahmad, Muhammad Sohail, Fayaz Hussain, **Muhammad yasir Khan** " Synthesis of Cuprous Oxide Nano Cubes and Platelets Using Both Electrodes of Copper" Mehran University Research Journal of Engineering & Technology , 38 (2019) 415-420 (HEC-X)
35. Zeeshan Akhtar,Syed Imran Ali, **Muhammad YasirKhan** "Antibacterial Activity of New Disperse Dyes from Substituted Pyridones against Clinical Isolates Part V" Jounal of chemical society of Pakistan, 40 (2018) 1139-1144. (IF: 0.28)
36. **Muhammad Yasir Khan**, Ali Dad Chandio, etc "Removal of Heavy Metals (Lead, Cadmium and Iron) from Low-Grade Nanoscale Zinc Oxide using Ammonium Carbonate Solution as a Leaching Agent" Key Engineering Materials, 778 (2018) 132-136. (IF: 0.3)
37. **Muhammad Yasir Khan**, Ali Dad Chandio, etc "Low Temperature Synthesis of Anatase TiO₂ Nanoparticles and its Application in Nanocrystalline Thin Films" Key Engineering Materials, 778 (2018) 86-90. (IF: 0.3)
38. Ibrahim M.A. Mohamed, HamoudaM.Mousa **Muhammad Yasir Khan**, Nasser A.M. Barakat, Physicochemical and photo-electrochemical characterization of novel N-doped nanocomposite ZrO₂/TiO₂ photoanode towards technology of dye-sensitized solar cells, Materials Characterization Vol. 127, pp. 357–364, 2017 (IF: 2.7)
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40. Rafiq Ahmad, NirmalyaTripathy, **Muhammad Yasir Khan**, KiesarSideeq Bhat, Min-sang Ahn, and Yoon-Bong Hahn, Ammonium Ion Detection in Solution Using Vertically Grown

ZnO Nanorods Based Field-effect Transistor,” RSC Advances (Royal Society of Chemistry), Vol. 6, pp-54836-54840, 2016 (IF: 3.289).

41. Rafiq Ahmad, Nirmalya Tripathy, **Muhammad Yasir Khan**, Kiesar Sideeq Bhat, Min-sang Ahn, Gilson Khang, and Yoon-Bong Hahn, Hierarchically Assembled ZnO Nanosheets Microspheres for Enhanced Glucose Sensing Performances, *Ceramics International* (ELSEVIER), Vol. 42, pp. 13464–13469, 2016. (IF: 2.758).
42. **Ahsan Abdul Ghani**, Junaid Saleem, Zeeshan A Hameed, Hira Lal and **Muhammad Shoaib**, "Study of Zinc Leaching of EAF Flue Dust Using Sodium Hydroxide", *Pak. J. Anal. Environ. Chem.*, vol. 17, pp- 33 – 37, 2016.
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46. Pretreatment of wheat straw using basic ethanolamine-based deep eutectic solvents for improving enzymatic hydrolysis. *Bioresource Technology* 263 (2018) 325–333. (<https://doi.org/10.1016/j.biortech.2018.05.016>). Zheng Zhao, Xiaochun Chen, **Muhammad Furqan Ali**, Ahmed A. Abdeltawab, Sobhy M. Yakout, Guangren Yu
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48. Study on the effects of isotropic cross-linked pristine morphology and electro-optical properties of PDLC films. *Polymer Bulletin* (<http://dx.doi.org/10.1007/s00289-015-1444-y>). Mujtaba Ellahi, M. Y. Rafique, Yanzi Gao, **Muhammad Furqan Ali**, Hui Cao, Huai Yang
49. Study on the effects of epoxy resin based polymer dispersed liquid crystal films using polythiol group (–SH) as hardener and catalyst. *Materials Focus* 4, 197-201. (<https://doi.org/10.1166/mat.2015.1239>).
50. Ellahi Mujtaba, Rafique M. Y., **Ishtiaque Shagufta**, **Muhammad Furqan Ali**, Memon Jameel Re-Refining of Deep frying oil, *International Journal of Scientific & Engineering Research* volume 10, issue 3, March 2019.
51. **Kehkashan Nawaz**, Ashraf kamal, Syed Mumtaz Danish, Sana Awan. Saud Hashmi*, Saad Nadeem, Zahoor Awan , **Adeel ur Rehman** and **Ahsan Abdul Ghani**. *Journal of The Chemical Society of Pakistan.*, Vol. 41, No. 04, 2019.

52. **A. Qudoos**, S. Farman, Shaheen Aziz, Sirajuddin, Preparation of Indigenous Copper Oxide Nanoparticles for Desulfurization of Natural Gas, CPER Journal, Vol.61, 2019, ISSN 2224-7467 (Paper) ISSN 2225-0913 (Online) DOI: 10.7176/CPER
53. Syed Adil M. Shah, Syed Farman A. Shah, Agha Asad Noor Pathan **A.Qudoos** , Lactic Acid Production from Biobased Methods: A Summary, International Journal of Science, Research & Sustainability, April 2019, Volume 2, No. 2.
54. Muhammad Sarfraz Khan, Syed Farman A. Shah, M. Mansha, **A.Qudoos**, Particulate Matter (PM_{2.5}) and Associated metal(Arsenic, Cadmium and Lead) present in the Ambient Air of Karachi Pakistan, International Journal of Science, Research & Sustainability, April 2019, Volume 2, No. 2.
55. Abdullah ,Shaheen Aziz, Khadija Qureshi Zulfiqar Bhatti **Abdul Qudoos**, Cost Effective Household Bio Waste for the Treatment of Lead Contaminated Aqueous Solution, International Journal of Science, Research & Sustainability, October 2018, Volume 1, No. 4

Conference Papers

1. **Shagufta Ishteyaque**, Improvement in Barrier Properties of Low Density Polyethylene Films(LDPE) in 2nd International Conference on Chemical Engineering held on 22nd Jan 2018 as a **key note speaker** organized by the Department of Chemical Engineering, Mehran Engineering University.
2. **Shagufta Ishteyaque**, HAZOP study of oil and gas industry, in conference organized by Punjab University and Lahore Engineering University as **key note speaker** in International Conference on Engineering Materials held on 21 and 22nd Dec 2017.
3. **Shagufta Ishteyaque**, Hazop study of Oily Waste Water Treatment will be presented in Asian Council of Science Editors held on August 2017 in Dubai.
4. **Shagufta Ishteyaque**, Barrier Properties Analysis of Polyethylene Terephthalate Films (PET) Coated with Natural Polyphenolic and Gelatin mixture (PGM) in Japan Conference in Innovation in Material Engineering (Sept.2017).
5. **Shagufta Ishteyaque**, “Photodegradation of Real Textile Wastewater With Titanium Dioxide, Zinc Oxide and Hydrogen Peroxide during UV Treatment invited” as **key note** Speaker in International Conference on Advanced Materials and Processing organized by Mehran Engineering University, Jamshoro(28th Feb to 1st March 2017).
6. **Shagufta Ishteyaque**, “Refinery Wastewater Treatment via Dissolved Air Flotation Technique, Chemical Engineering Department, Gujrat University, Pakistan(2016).
7. **Shagufta Ishteyaque** Application of Hazard and Operability Analysis (HAZOP) of Bio-Hydrogen Production Unit by Industrial Waste Water, Peshawar University of Engineering & Technology as **Key note Speaker**, 3rd International Conference organized by Department of Chemical Engineering on Sustainability in Process Industry (2016).
8. Study the effects of epoxy/tri functional mercaptan resins structure based PDLC films. Mujtaba Ellahi, H Ullah, **Muhammad Furqan Ali** and N NPanezai. IOP Conference Series: Materials Science and Engineering, Volume 414, conference 1, 1st International Conference on Advances in Engineering and Technology (ICAET-2018), 2–3 April 2018, Baleli, Quetta 87300, Pakistan

9. **A.Qudoos**, S.Farman, A.Sikander, M.Saeed, M.Khan , K.Junaid, Arsenic Removal from Ground Water through untreated Rice Husk Bed , 1ST INTERNATIONAL CONFERENCE ON SUSTAINABLE MINERAL RESOURCES DEVELOPMENT & UTILIZATION (SMRDU-19)
10. **A.Qudoos**, Mukhtiar A. Rajhani, Saeed A. Memon , Syed Farman Ali Shah Level of Arsenic Contamination in Ground water of Nasrpur Sindh , 2ND INTERNATIONAL CONFERENCE ON CONFERENCE ON CHEMICAL ENGINEERING (ICCE-2018)
11. **A. Qudoos** , S. Farman , Zeenat M. Ali Zulfiqar Bhatti , Ground Water Quality Analysis of Khairpur (Mir's) Sindh ,1ST INTERNATIONAL CONFERENCE ON CHEMICAL ENGINEERING (ICCE-2016)