

Yousuf Jamal

Assistant Professor

Institute of Environmental Sciences & Engineering

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About

Dr. Yousuf Jamal is working as Assistant Professor in the Institute of Environmental Sciences & Engineering. Dr. Yousuf Jamal has a PhD in Environmental Engineering. Dr. Yousuf Jamal has published 31 research articles & conference papers having a citation count of 680, carried out 2 projects and filed 1 intellectual property.

Qualifications

PhD in Environmental Engineering	2009 - 2012
Texas A&M University , United States	

Experience

Assistant Professor	2020- Present
Institute of Environmental Sciences & Engineering	
Assistant Professor	2016 - 2020
Institute of Environmental Sciences & Engineering	
Assistant Professor	2013 - 2016
Institute of Environmental Sciences & Engineering	
Assistant Professor	2013 - 2013
Institute of Environmental Sciences & Engineering	
Technical Engineer	2000 - 2007
Siddiqui Engineering , Gulberg-3 , Liberty, Lahore, Pakistan	
Chemical Engineer	1998 - 1999
Dawood Hercules Fertilizer , 38 km Lahore Shikhupura road.	

Awards

WEAT Award	2011
Water Environment Association Texas (WEAT) runners up engineering design trophy for Biosolids and Odor and Corrosion Conference.	

Professional Memberships

PEC	Since 1998
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Research Projects

National Projects	
Fresh Water from Saline and Textile Waste water using active solar still coupled with solar pond system	2019
Funding Agency: USAID	
Amount: PKR 570,000.00	
Status: Completed	
Low-Strength Grey water Reuse for Toilet Flushing	2018
Funding Agency: USAid	
Amount: PKR 346,000.00	
Status: Completed	

International Projects

- Recovery of lithium and cobalt from used lithium-ion cell phone batteries through a pyro-hydrometallurgical hybrid extraction process and chemical precipitation** 2024
Sharjeel Ahmed Noor Haleem Yousuf Jamal Sher Jamal Khan Xufei Yang
Journal of Material Cycles and Waste Management , Volume: 27, Pages:925–936
Impact Factor: 2.700 | **Quartile:** 3 | **Citations:** 3
DOI: <https://doi.org/10.1007/s10163-024-02146-8>
- Production of biodiesel and water conservation through conversion of free fatty acids from a domestic wastewater drain** 2022
Ehsan Mustafa Hashmi Yousuf Jamal Nida Maqbool Hafiz Muhammad Aamir Shahzad Beenish Imtiaz Sher Jamal Khan
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, Volume 44, Issue 3, Pages 7031-7045
Impact Factor: 2.902 | **Quartile:** 3 | **Citations:** 1
DOI: <https://doi.org/10.1080/15567036.2022.2105452>
- Assessment of anaerobic membrane distillation bioreactor hybrid system at mesophilic and thermophilic temperatures treating textile wastewater** 2022
Kamran Manzoor Sher Jamal Khan Maria Yasmeen Yousuf Jamal Muhammad Arshad
Journal of Water Process Engineering, Volume 46, Article Number 102603
Impact Factor: 5.485 | **Quartile:** 1 | **Citations:** 26
DOI: [10.1016/j.jwpe.2022.102603](https://doi.org/10.1016/j.jwpe.2022.102603)
- Development of poly vinyl alcohol (PVA) based biochar nanofibers for carbon dioxide (CO₂) adsorption** 2022
Noor Haleem Yousuf Jamal Masooma Sajid Zainab Shahzad Hammad Raza Alishba Khattak
Renewable and Sustainable Energy Reviews, Volume 157, Article Number 112019
Impact Factor: 14.982 | **Quartile:** 1 | **Citations:** 30
DOI: <https://doi.org/10.1016/j.rser.2021.112019>
- Mono-alkyl esters (biodiesel) production from wastewater sludge by esterification** 2022
Yousuf Jamal Izhar Hussain Shah Hung-Suck Park
Biofuels , Volume 13, No. 3, Pages 351-357
Impact Factor: 2.1 | **Quartile:** 4 | **Citations:** 3
DOI: [10.1080/17597269.2019.1699749](https://doi.org/10.1080/17597269.2019.1699749)
- Evaluating the performance of anaerobic moving bed bioreactor and upflow anaerobic hybrid reactor for treating textile desizing wastewater** 2021
Hafiz Muhammad Aamir Shahzad Prof. Dr. Sher Jamal Khan Zeshan Yousuf Jamal Zunaira Habib
Biochemical Engineering Journal , Volume 174, Article Number 108123
Impact Factor: 3.978 | **Quartile:** 2 | **Citations:** 26
DOI: [10.1016/j.bej.2021.108123](https://doi.org/10.1016/j.bej.2021.108123)
- Synthesis of Carbon Nanotubes (CNTs) from Poultry Litter for Removal of Chromium (Cr (VI)) from Wastewater** 2021
Noor Haleem Yousuf Jamal Shahid Nawaz Khan Muhammad Anwar Baig Maryam Wahab Xufei Yang
Materials , Volume 14(18), Article Number 5195
Impact Factor: 3.623 | **Quartile:** 1 | **Citations:** 12
DOI: [10.3390/ma14185195](https://doi.org/10.3390/ma14185195)
- Synthesis, Characterization and Heavy Metal Removal Efficiency of Nickel Ferrite Nanoparticles (NFN's)** 2021
Waheed Ali Khoso Noor Haleem Muhammad Anwar Baig Yousuf Jamal
Scientific Reports , Volume 11, Article Number 3790
Impact Factor: 4.997 | **Quartile:** 2 | **Citations:** 107
DOI: doi.org/10.1038/s41598-021-83363-1
- Synthesis and characterization of CMC/PVA/PVP composite microfiltration membrane** 2020
Muhammad Arshad Ayesha Neelam Noor Haleem Yousuf Jamal Kiran Hina Muhammad Bilal Sajid Hussain Shah Imtyaz Hussain Yongqing Zhang
Desalination and Water Treatment , Volume 203, Pages 70-79
Impact Factor: 1.254 | **Quartile:** 4 | **Citations:** 4
DOI: [doi: 10.5004/dwt.2020.26227](https://doi.org/10.5004/dwt.2020.26227)
- A pilot application of recycled discarded RO membranes for low strength gray water reclamation** 2020
Jawwad Ahmed Yousuf Jamal
Environmental Science and Pollution Research , Pages 1-9

Impact Factor: 4.223 Quartile: 2 Citations: 12 DOI: doi.org/10.1007/s11356-020-11117-z	
Phytoaccumulation of heavy metals from municipal solid waste leachate using different grasses under hydroponic condition <i>Malik Muhammad Hassan Noor Haleem Muhammad Anwar Baig Yousuf Jamal</i> <i>Scientific Reports</i> , Volume 10, Article Number 15802 Impact Factor: 4.380 Quartile: 1 Citations: 21 DOI: doi.org/10.1038/s41598-020-72800-2	2020
Carbon dioxide conversion into the reaction intermediate sodium formate for the synthesis of formic acid. Research on Chemical Intermediates <i>Yousuf Jamal Noor Haleem Muhammad Hanan Masood Iqra Shakeel</i> <i>Research on Chemical Intermediates</i> , Pages 1-16 Impact Factor: 2.914 Quartile: 3 Citations: 32 DOI: 10.1007/s11164-020-04255-z	2020
Bi-Polymer Electrospun Nanofibers Embedding Ag₃PO₄/P25 Composite for Efficient Photocatalytic Degradation and Anti-Microbial Activity <i>Zunaira Habib Chang-Gu Lee Qilin Li Sher Jamal Khan Yousuf Jamal Xiaochuan Huang Hassan Javed Nasir Mahmood Ahmad</i> <i>Catalysts</i> , Volume 10, Issue 7, Article Number 784 Impact Factor: 4.146 Quartile: 2 Citations: 10 DOI: 10.3390/catal10070784	2020
Recovery of cooling tower blowdown water through reverse osmosis (RO): review of water parameters affecting membrane fouling and pretreatment schemes <i>Yousuf Jamal Jawwad Ahmed Muhammad Shujaatullah</i> <i>Desalination and Water Treatment</i> , Volume 189, Pages 9-17 Impact Factor: 1.254 Quartile: 4 Citations: 15 DOI: doi: 10.5004/dwt.2020.25639	2020
Synthesizing PET and food waste into refuse plastic fuel (RPF): optimization and kinetic modeling <i>Umair Qureshi Beenish Imtiaz Yousuf Jamal</i> <i>Journal of Thermal Analysis and Calorimetry</i> , Pages 1–14 Impact Factor: 2.731 Quartile: 2 Citations: 9 DOI: https://doi.org/10.1007/s10973-019-08934-x	2019
A Short Review on Reverse Osmosis Membranes: Fouling and Control <i>Yousuf Jamal Nida Maqbool Zubia Saleem</i> <i>Open Access Journal of Waste Management & Xenobiotics</i> , Volume 2, Issue 2, Pages 1-10 Impact Factor: 0 DOI: 10.23880/oajwx-16000122	2019
Antibacterial behaviour of surface modified composite polyamide nanofiltration (NF) membrane by immobilizing Ag-doped TiO₂ nanoparticles <i>Zunaira Habib Sher Jamal Khan Nasir Mehmood Ahmad Hafiz Muhammad Aamir Shahzad Imran Hashmi Yousuf Jamal</i> <i>Environmental Technology</i> , Pages 1-49 Impact Factor: 2.213 Quartile: 3 Citations: 29 DOI: 10.1080/09593330.2019.1617355	2019
Hybrid anaerobic-aerobic biological treatment for real textile wastewater <i>Rabia Shoukat Sher Jamal Khan Yousuf Jamal</i> <i>Journal of Water Process Engineering</i> , Volume 29, Article Number UNSP 100804 Impact Factor: 3.465 Quartile: 1 Citations: 126 DOI: 10.1016/j.jwpe.2019.100804	2019
Esterification Reaction Kinetics of Acetic and Oleic Acids with Ethanol in the Presence of Amberlyst 15 <i>Afeeq Shahid Yousuf Jamal Jamshed Ali Khan Bryan Boulanger Sher Jamal Khan</i> <i>Arabian Journal for Science and Engineering</i> , Volume 43, Issue 11, Pages 5701-5709 Impact Factor: 1.518 Quartile: 3 Citations: 22 DOI: 10.1007/s13369-017-2927-y	2018
Partial slagging coal gasifier operational performance and product characteristics for energy sustainability in an integrated gasification combined cycle system <i>Jin Wook Lee Seung Jong Lee Yousuf Jamal Yongseung Yun</i> <i>JOURNAL OF THE ENERGY INSTITUTE</i> , NULL	2018

Impact Factor: 3.774 Quartile: 2 Citations: 2 DOI: 10.1016/j.joei.2017.05.004	
Heat extraction and brine management from salinity gradient solar pond and membrane distillation <i>Kamran Manzoor Sher Jamal Khan Yousuf Jamal Muhammad Aamir Shahzad</i> <i>Chemical Engineering Research and Design</i> , Volume 118, Pages 226-237 Impact Factor: 2.795 Quartile: 2 Citations: 34 DOI: 10.1016/j.cherd.2016.12.017	2017
Optimization of Sodium Hydrosulfide Synthesis for Metal Recovery from Wastewater Using Flue Gas Containing H₂S <i>Yousuf Jamal Se-Won Kim Shishir Kumar Behera Hung-Suck Park</i> <i>Journal of environmental engineering</i> , Volume: 142 Issue: 9 Special Issue: SI Impact Factor: 1.541 Quartile: 2 Citations: 8 DOI: 10.1061/(ASCE)EE.1943-7870.0000984	2016
Characterization of polyhydroxyalkanoates extracted from wastewater sludge under different environmental conditions <i>Yousuf Jamal Sang-hyeop Cha Jae-hyop Son Mohd. Zafar Hung-suck Park</i> <i>Biochemical Engineering Journal</i> , Volume: 112, Pages: 1-12 Impact Factor: 2.892 Quartile: 1 Citations: 28 DOI: 10.1016/j.bej.2015.12.021	2016
Isothermal combustion kinetics of synthetic refuse plastic fuel (RPF) blends by thermogravimetric analysis <i>Yousuf Jamal Minho Kim Hung-suck Park</i> <i>Applied Thermal Engineering</i> , Volume: 104 Pages: 16-23 Impact Factor: 3.444 Quartile: 2 Citations: 22 DOI: 10.1016/j.applthermaleng.2016.04.151	2016
Desalination of brackish water using capacitive deionization (CDI) technology <i>Yousuf Jamal Fawad Ahmad Sher Jamal Khan Hussain Kamran Aitzaz Ahsan Muhammad Ahmad Amir Khan</i> <i>Desalination and Water Treatment</i> , Volume: 57 Issue: 17 Pages: 7659-7666 Impact Factor: 1.631 Quartile: 2 Citations: 29 DOI: 10.1080/19443994.2015.1037357	2016
Solar Pond Technology for Brine Management and Heat Extraction: A Critical Review <i>Yousuf Jamal R. Rizvi M.B. Ghauri R. Salman I. Khan</i> <i>Journal of Faculty of Engineering and Technology</i> , Volume 22. No 2, Page 69-79 Impact Factor: 0 DOI: http://journals.pu.edu.pk/journals/index.php/jfet/article/viewFile/447/481	2015
Esterification of acetic and oleic acids within the Amberlyst 15 packed catalytic column <i>Yousuf Jamal Jamshed Ali Khan Afeeq Shahid Bryan O'Neil Boulanger</i> <i>Korean journal of chemical engineering</i> , Volume: 33 Issue: 2 Pages: 582-586 Impact Factor: 1.408 Quartile: 3 Citations: 15 DOI: 10.1007/s11814-015-0192-x	2015
Determination of methanolysis rate constants for low and high fatty acid oils using heterogeneous surface reaction kinetic models <i>Yousuf Jamal Ahmed Rabie B. O. Boulanger</i> <i>Reaction Kinematics Mechanism and Catalysis</i> , Volume: 114 Issue: 1 Pages: 63-74 Impact Factor: 1.265 Quartile: 3 Citations: 19 DOI: 10.1007/s11144-014-0780-5	2015
In situ processing of Nannochloropsis oculata algal biomass using a mixed bed ion-exchange resin as a heterogeneous catalyst <i>Yousuf Jamal Guofan Luo Bryan O. Boulanger</i> <i>Asia-Pacific Journal of Chemical Engineering</i> , Volume: 9 Issue: 6 Pages: 818-825 Impact Factor: 0.789 Quartile: 3 Citations: 4 DOI: 10.1002/apj.1827	2014
Separation of Oleic Acid from Soybean Oil Using Mixed-Bed Resins <i>Yousuf Jamal Bryan O. Boulanger</i> <i>Journal of chemical and Engineering Data</i> , Volume: 55 Issue: 7 Pages: 2405-2409	2010

Book Chapters

Wastewater Biological Treatment Technologies: An Eminent Hybrid Approach to Treat Textile Wastewater	2018
Rabia Shoukat Sher Jamal Khan Yousuf Jamal	
In: <i>Book on Organic Pollutants in Wastewater II: Methods of Analysis, Removal and Treatment</i> , Chapter 8, Pages 1-27	
Citations: N/A	
DOI: http://dx.doi.org/10.21741/9781945291715-8	

Editorial Activities

Reviewed Papers for Journals	2021
Impact Factor: 1.496	
Reviewed Papers for Journals	2020
Impact Factor: 3.551	
Reviewed Papers for Journals	2020
Impact Factor: 3.98	
Reviewed Papers for Journals	2019
Impact Factor: 2.372	
Edited Journal Issue / Proceeding / Book	2019
Impact Factor: 2.372	
Reviewed Papers for Journals	2019
Impact Factor: 1.61	
Reviewed Papers for Journals	2019
Impact Factor: 1.911	
Reviewed Papers for Journals	2018
Impact Factor: 1.448	

Intellectual Property

Copyrights

Patents

Synthesis of Carbon Nanotubes (CNT) from Poultry Litter for Removal of Heavy Metals from Wastewater.	2018
Status: Licensed	

Industrial Designs

Trademarks