

Sher Jamal Khan

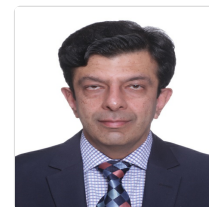
Professor

Institute of Environmental Sciences & Engineering

Email: s.jamal@iese.nust.edu.pk

Contact: 0518741121

LinkedIn: <https://www.linkedin.com/in/dr-sher-jamal-khan-900195267/>



About

Dr. Sher Jamal Khan is working as Professor in the Institute of Environmental Sciences & Engineering. Dr. Sher Jamal Khan has a PhD in Environmental Engineering And Management. Dr. Sher Jamal Khan has published 105 research articles & conference papers having a citation count of 2071, carried out 20 projects and filed 0 intellectual property.

Qualifications

PhD in Environmental Engineering And Management Asian Institute of Technology , Thailand	2004 - 2008
MS in Civil And Environmental Engineering Portland State University , United States	2001 - 2003
BS in Civil Engineering UET Taxila , Pakistan	1996 - 2000

Experience

Professor Institute of Environmental Sciences & Engineering	2023- Present
Professor Institute of Environmental Sciences & Engineering	2019 - 2023
Professor Institute of Environmental Sciences & Engineering	2018 - 2019
Associate Professor Institute of Environmental Sciences & Engineering	2013 - 2018
Assistant Professor Institute of Environmental Sciences & Engineering	2008 - 2013
Lecturer Institute of Environmental Sciences & Engineering	2003 - 2008
Professor National University of Sciences and Technology (NUST) , IESE building , NUST Campus, Sector H-12, Islamabad	2018 - 2023
Associate Professor National University of Sciences and Technology (NUST) , IESE Building, NUST Campus, Sector H-12, Islamabad	2013 - 2018
Assistant Professor National University of Sciences and Technology (NUST) , IESE Building, NUST Campus, Sector H-12, Islamabad	2008 - 2013
Lecturer National University of Sciences and Technology (NUST) , IESE Building, NUST Campus, Sector H-12, Islamabad	2003 - 2008

Awards

Best Young Research Schol	2018
Best Young Research Scholar Award 2015/16 for the year 2017 by Higher Education Commission (HEC), Islamabad, Pakistan	
Salimuzzaman Siddiqui Pri	2017
Salimuzzaman Siddiqui Prize in Applied Science-Technology in Engineering Sciences for the year 2017 by Pakistan Academy of Sciences (PAS), Islamabad, Pakistan	
Res. Productivity Award	
Research Productivity Awarded 2017, 2015, 2014, 2013, 2012 by Pakistan Council for Science and Technology (PCST), Islamabad, Pakistan	
Best Research Paper Award	
Best Research Paper Award 2010-2011 by Higher Education Commission (HEC), Islamabad, Pakistan	
School / College Best Researcher Award -2022	

Professional Memberships

PEC

Research Projects

National Projects	
Industrial Water Circularity: Reuse, Resource Recovery and Energy Efficiency for Greener Digitised EU Processes (RESURGENCE)	2023
Funding Agency: European Commission HORIZON Programme - ERASMUS+	
Amount: PKR 107,757,255.00	
Status: Approved_inprocess	
Efficient Removal of Refractory Organic compound using Hybrid MBR coupled with AOP	2021
Funding Agency: HEC	
Amount: PKR 4,219,120.00	
Status: Approved_inprocess	
Design and Supervision of Low-Cost Decentralized Wastewater Treatment System (DWTS) for Peri-Urban Area of Islamabad	2019
Funding Agency: WaterAid Pakistan	
Amount: PKR 1,750,000.00	
Status: Completed	
Development of Biogas Production System for Waste Sludge	2017
Funding Agency: HEC	
Amount: PKR 5,366,588.00	
Status: Completed	
Action Learning in Environmental Engineering to Develop Employability Skills and Experience – the Use of UK Employer Sponsored Virtual Summer Placement via Brunel University for Undergraduate and Postgraduate Students in Pakistan	2011
Funding Agency: British Council	
Amount: PKR 1,644,000.00	
Status: Completed	
Membrane Bioreactor (MBR) Technology for Wastewater Treatment and Reuse	2008
Funding Agency: HEC	
Amount: PKR 5,991,000.00	
Status: Completed	
Operation and Maintenance of Decentralized Wastewater Treatment System at Saidpur Village Islamabad	2020
Funding Agency: WaterAid Pakistan	
Amount: PKR 3,578,850.00	
Status: Approved_inprocess	
City Wide Approach for Improved WASH Services in Tehsil Jatoi	2017
Funding Agency: WaterAid UK	
Amount: PKR 4,065,000.00	
Status: Completed	

Development and Capacity Building of Affordable and Sustainable Sanitation Solutions in Pakistan Funding Agency: WaterAid Pakistan Amount: PKR 3,596,200.00 Status: Completed	2017
Clean Water from Scotland to Pakistan Funding Agency: Scottish Governemnt Amount: PKR 1,456,000.00 Status: Approved_inprocess	2017
WASH Based Research and Development in Academia Funding Agency: WaterAid UK Amount: PKR 10,867,400.00 Status: Completed	2014
Establishment of Pilot Scale Membrane Bioreactor (MBR) at NUST Funding Agency: NUST Amount: PKR 37,100,000.00 Status: Completed	2012
Action learning in environmental engineering to develop employability skills and experience-the use of UK employer sponsored virtual summer placement via Brunel University for undergraduate and postgraduate students in Pakistan Funding Agency: British Council Amount: PKR 2,100,000.00 Status: Completed	2011
International Projects	
Development of GIS Based MIS System for Sindh Funding Agency: Plan International Pakistan Amount: PKR 5,784,000.00 Status: Completed	2016

Industry Projects

National Projects

National Gender Data Portal (Milestone 4) Client: UN Women Amount: PKR 13,320,130.00 Status: Approved_inprocess	2023
Development of National Gender Data Portal (Milestone 3) Client: United Nations Amount: PKR 8,085,048.00 Status: Approved_inprocess	2021
Development of National Gender Data Portal (Milestone 2) Client: UN Women Amount: PKR 14,755,079.00 Status: Approved_inprocess	2020
Development of National Gender Data Portal Client: United Nations Entity for Gender Equality and the Empowerment of Women (UN Women) Amount: PKR 7,000,068.00 Status: Completed	2020
Roll Out of WASH MIS/GIS and training of LG and PHED officials Client: UNICEF Amount: PKR 4,110,000.00 Status: Approved_inprocess	2019
International Projects	
Virtual Irrigation Business Models in Pakistan Client: Australian Centre for International Agricultural Research Amount: PKR 4,934,230.00 Status: Approved_inprocess	2022

- Harnessing machine learning for transmembrane pressure prediction in MBR systems during textile wastewater treatment** 2025
Norreddine Ghaffour Saqib Nawaz Onaira Zahoor Muhammad Usama Henry J. Tanudjaja Sher Jamal Khan
Desalination and Water Treatment , Volume:322, Article Number 101238
Impact Factor: 1.000 | **Quartile:** 4
DOI: doi.org/10.1016/j.dwt.2025.101238
- 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
- Performance evaluation of sponge anaerobic baffled reactor for municipal wastewater treatment** 2024
Nadeem Ullah Zeshan Owais Ahmad Sher Jamal Khan
Sustainability , Volume 16(21), Article Number 9398
Impact Factor: 3.300 | **Quartile:** 2
DOI: 22232454556
- An integrated assessment of fecal sludge management (FSM) in Islamabad, Pakistan: challenges and treatment solutions** 2024
Nida Maqbool Sher Jamal Khan Imran Hashmi
International Journal of Environmental Science and Technology , Pages 1-14
Impact Factor: 3.000 | **Quartile:** 2
DOI: https://doi.org/10.1007/s13762-024-05752-z
- Comparative performance of osmotic and thermal driven anaerobic membrane bioreactors for hazardous textile wastewater treatment** 2024
Kamran Manzoor Prof. Dr. Sher Jamal Khan Muhammad Saqib Nawaz Noredine Ghaffour
Journal of Water Process Engineering , Volume:63, Article Number: 105568
Impact Factor: 6.3 | **Quartile:** 1 | **Citations:** 1
DOI: 10.1016/j.jwpe.2024.105568
- Relation of organic fractions in fresh and stored fecal sludge and foodwaste to biogas production** 2024
Nida Maqbool Stanley Bortse Sam Sher Jamal Khan Linda Strande
Journal of Water Sanitation and Hygiene for Development , Volume 14, Issue 3
Impact Factor: 1.7 | **Quartile:** 4 | **Citations:** 2
DOI: 10.2166/washdev.2024.319
- Efficient and simultaneous removal of four antibiotics with silicone polymer adsorbent from aqueous solution** 2023
Rabeea Zafar Deedar Nabi Arwa Abdulkreem Al-Huqail Usama Jamil Sher Jamal Khan Zaheer Ahmed Muhammad Arshad
Emerging Contaminants , Volume 9, Issue 4, Article Number 100258
Impact Factor: 5.300 | **Quartile:** 1 | **Citations:** 5
DOI: https://doi.org/10.1016/j.emcon.2023.100258
- Evaluating dye recovery and reusability potential from dyebath effluent using forward osmosis membranes for minimum liquid discharge** 2023
Maria Yasmeen Saqib Nawaz Kamran Manzoor Dr. Sher Jamal Khan Prof. Noredine Ghaffour
Chemosphere , Volume: 338, Article Number: 139433
Impact Factor: 8.8 | **Quartile:** 1 | **Citations:** 5
DOI: 10.1016/j.chemosphere.2023.139433
- Performance Evaluation of UF Membranes Derived from Recycled RO Membrane, a Step towards Circular Economy in Desalination** 2023
Zia ur Rehman Hira Amjad Sher Jamal Khan Maria Yasmeen Aftab Ahmad Khan Noman Khalid Khanzada
Membranes , Volume 13, Issue 7, Article Number 628
Impact Factor: 4.2 | **Quartile:** 2 | **Citations:** 5
DOI: 10.3390/membranes13070628
- Performance and cost-benefit analysis of anaerobic moving bed biofilm reactor for pretreatment of textile wastewater** 2023

<i>Hafiz Muhammad Aamir Shahzad Sher Jamal Khan Musharib Khan Harald Schönberger Frank-Andreas Weber</i> <i>Korean Journal of Chemical Engineering</i> , Pages 1-12 Impact Factor: 3.146 Quartile: 3 Citations: 8 DOI: 10.1007/s11814-022-1334-6	2023
Recovering and reuse of textile dyes from dyebath effluent using surfactant driven forward osmosis to achieve zero hazardous chemical discharge <i>Maria Yasmeen Muhammad Saqib Nawaz Sher Jamal Khan Noreddine Ghaffour Muhammad Zafar Khan</i> <i>Water Research</i> , Volume 230, Article Number 119524 Impact Factor: 13.400 Quartile: 1 Citations: 30 DOI: https://doi.org/10.1016/j.watres.2022.119524	2023
Feasibility Study of Anaerobic Baffled Reactor Coupled with Anaerobic Filter Followed by Membrane Filtration for Wastewater Treatment <i>Aamir Khan Sher Jamal Khan Waheed Miran Waqas Qamar Zaman Alia Aslam Hafiz Muhammad Aamir Shahzad</i> <i>Membranes</i> , Volume 13(1), Article Number 79 Impact Factor: 4.562 Quartile: 1 Citations: 6 DOI: https://doi.org/10.3390/membranes13010079	2023
Situational assessment for fecal sludge management in major cities of Pakistan <i>Nida Maqbool Muhammad Arslan Shahid Sher Jamal Khan</i> <i>Environmental Science and Pollution Research</i> , Pages 1-12 Impact Factor: 5.8 Quartile: 1 Citations: 10 DOI: https://doi.org/10.1007/s11356-022-22331-2	2022
Production of biodiesel and water conservation through conversion of free fatty acids from a domestic wastewater drain <i>Ehsan Mustafa Hashmi Yousuf Jamal Nida Maqbool Hafiz Muhammad Aamir Shahzad Beenish Imtiaz Sher Jamal Khan</i> <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i>, Volume 44, Issue 3, Pages 7031-7045 Impact Factor: 2.902 Quartile: 3 Citations: 1 DOI: https://doi.org/10.1080/15567036.2022.2105452	2022
Water Treatment Using High Performance Antifouling Ultrafiltration Polyether Sulfone Membranes Incorporated with Activated Carbon <i>Zubia Abid Asad Abbas Azhar Mahmood Nosheen Fatima Rana Sher Jamal Khan Laurent Duclaux Kashif Mairaj Deen Nasir Mahmood Ahmad</i> <i>Polymers</i> , Volume 14, Issue 11, Article Number 2264 Impact Factor: 4.967 Quartile: 1 Citations: 8 DOI: https://doi.org/10.3390/polym14112264	2022
Woven-fiber microfiltration coupled with anaerobic forward osmosis membrane bioreactor treating textile wastewater: Use of fertilizer draw solutes for direct fertigation <i>Kamran Manzoor Sher Jamal Khan Aamir Khan Hassam Abbasi Waqas Qamar Zaman</i> <i>Biochemical Engineering Journal</i> , Volume 181, Article Number 108385 Impact Factor: 3.978 Quartile: 2 Citations: 12 DOI: 10.1016/j.bej.2022.108385	2022
Assessment of anaerobic membrane distillation bioreactor hybrid system at mesophilic and thermophilic temperatures treating textile wastewater <i>Kamran Manzoor Sher Jamal Khan Maria Yasmeen Yousuf Jamal Muhammad Arshad</i> <i>Journal of Water Process Engineering</i> , Volume 46, Article Number 102603 Impact Factor: 5.485 Quartile: 1 Citations: 26 DOI: 10.1016/j.jwpe.2022.102603	2022
Targeting Acyl Homoserine Lactones (AHLs) by the quorum quenching bacterial strains to control biofilm formation in Pseudomonas aeruginosa <i>Sayed Javariya Khalid Quratul ain Sher Jamal Khan Amna Jalil Muhammad Faisal Siddiqui Tahir Ahmed Malik Badshah Fazal Adnan</i> <i>Saudi Journal of Biological Sciences</i> , Volume 29, Issue 3, Pages 1673-1682 Impact Factor: 4.219 Quartile: 2 Citations: 29 DOI: https://doi.org/10.1016/j.sjbs.2021.10.064	2022
An integrated investigation on anaerobic membrane-based thickening of fecal sludge and the role of extracellular polymeric substances (EPS) in solid-liquid separation <i>Muhammad Arslan Shahid Nida Maqbool Sher Jamal Khan</i> <i>Journal of Environmental Management</i> , Volume 305, Article Number 114350 Impact Factor: 6.789 Quartile: 1 Citations: 8	2022

DOI: 10.1016/j.jenvman.2021.114350

Performance Evaluation of Integrated Anaerobic and Aerobic Reactors for Treatment of Real Textile Wastewater

2022

Muhammad Usman Saleem Sher Jamal Khan Hafiz Muhammad Aamir Shahzad Zeshan
International Journal of Environmental Science and Technology, Pages 1-12

Impact Factor: 2.860 | **Quartile:** 3 | **Citations:** 9

DOI: <https://doi.org/10.1007/s13762-021-03830-0>

Performance evaluation and substrate removal kinetics in a thermophilic anaerobic moving bed biofilm reactor for starch degradation

2022

Hafiz Muhammad Aamir Shahzad Sher Jamal Khan Zunaira Habib
Water Practice and Technology, ISSN Online: 1751-231X, Volume 7, Issue 1, 2012, Volume 17 (1), Pages 157-166

Impact Factor: N/A | **Citations:** 9

DOI: 10.2166/wpt.2021.111

Optimization of nutrient rich solution for direct fertigation using novel side stream anaerobic forward osmosis process to treat textile wastewater

2021

Hassam Abbasi Sher Jamal Khan Kamran Manzoor Muhammad Adnan
Journal of Environmental Management, Volume 300, Article Number 113691

Impact Factor: 6.789 | **Quartile:** 1 | **Citations:** 13

DOI: 10.1016/j.jenvman.2021.113691

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

Double-acting batch-RO system for desalination of brackish water with high efficiency and high recovery

2021

P.A. Davies F. Khatoon A. Affifi G. Kuldip S. Javed Sher Jamal Khan
Desalination and Water Treatment, Volume 224, Article Number 1-11

Impact Factor: 1.273 | **Quartile:** 4 | **Citations:** 7

DOI: 10.5004/dwt.2021.26995

Treatment of high-strength synthetic textile wastewater through anaerobic osmotic membrane bioreactor and effect of sludge characteristics on flux

2021

Surraya Mehbub Malik Muhammad Saqib Nawaz Muhammad Ali Sher Jamal Khan Noreddine Ghaffour Kamran Manzoor
Environmental Quality Management, Volume 31, Issue 1, Pages 85-98

Impact Factor: N/A | **Citations:** 11

DOI: 10.1002/tqem.21756

Enhancing methane production from dewatered waste activated sludge through alkaline and photocatalytic pretreatment

2021

Ayesha Maryem Zeshan Malik Badshah Mariam Sabeeh Sher Jamal Khan
Bioresource Technology, Volume 325, Article Number 124677

Impact Factor: 11.889 | **Quartile:** 1 | **Citations:** 51

DOI: 10.1016/j.biortech.2021.124677

Quorum quenching specific genes screening among indigenous bacteria from full-scale membrane bioreactor and its application for biofouling control in a laboratory-scale

2021

Sher Jamal Khan Shabila Perveen Talha Bin Umeed Imran Hashmi
Desalination and Water Treatment, Volume 211, Pages 399–410

Impact Factor: 1.273 | **Quartile:** 4

DOI: -

Biocidal potential of electrochemically activated solutions (ECAS) against *Aeromonas* sp. *Enterobacter* sp. and *Escherichia coli* in tap water

2020

Sabtain Ali Sher Jamal Khan Richard Allan Imran Hashmi
Journal of Water Process Engineering, Volume 36, Article Number 101328

Impact Factor: 5.485 | **Quartile:** 1 | **Citations:** 2

DOI: 10.1016/j.jwpe.2020.101328

Up-concentration of wastewater to maximize biogas potential: A step towards positive energy wastewater treatment <i>Muhammad Ali Sher Jamal Khan Surraya Mehbub Malik Hafiz Muhammad Aamir Shahzad C. Visvanathan</i> <i>Journal of Water Process Engineering</i>, Volume 36, Article Number 101246 Impact Factor: 5.485 Quartile: 1 Citations: 6 DOI: 10.1016/j.jwpe.2020.101246	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
Performance evaluation of anaerobic moving bed bioreactor (An-MBBR) for pretreatment of desizing wastewater <i>Hafiz Muhammad Aamir Shahzad Charel Baumann Sher Jamal Khan Harald Schönberger Frank-Andreas Weber Zeshan</i> <i>Desalination and Water Treatment</i>, Volume 181, Pages 123-130 Impact Factor: 1.254 Quartile: 4 Citations: 10 DOI: 10.5004/dwt.2020.25106	2020
Impact of osmotic backwashing, particle size distribution and feed-side cross-flow velocity on flux in the forward osmosis membrane bioreactor (FOMBR) <i>Muhammad Saqib Nawaz Fozia Parveen Sher Jamal Khan Nicholas P. Hankins</i> <i>Journal of Water Process Engineering</i>, Volume 31, Article No. 100861 Impact Factor: 3.465 Quartile: 2 Citations: 26 DOI: 10.1016/j.jwpe.2019.100861	2019
Impact of sludge recirculation ratios on the performance of anaerobic membrane bioreactor for wastewater treatment <i>Alia Aslam Dr. Sher Jamal Khan Hafiz Muhammad Aamir Shahzad</i> <i>Bioresource Technology</i>, Volume 288, Article No. 121473 Impact Factor: 7.539 Quartile: 1 Citations: 29 DOI: https://doi.org/10.1016/j.biortech.2019.121473	2019
Quorum sensing control and wastewater treatment in quorum quenching/ submerged membrane electro-bioreactor (SMEBR(QQ)) hybrid system <i>Maham Khan Sher Jamal Khan Shadi W. Hasan</i> <i>Biomass & Bioenergy</i>, Volume 128, Article Number UNSP 105329 Impact Factor: 3.551 Quartile: 2 Citations: 10 DOI: 10.1016/j.biombioe.2019.105329	2019
Evaluation of treatment performance of a full-scale membrane bioreactor (MBR) plant from unsteady to steady state condition <i>Sher Jamal Khan Ghalib Hasnain Hasan Fareed Roger Ben Aim</i> <i>Journal of Water Process Engineering</i>, Volume: 30, Special Issue: SI, Article Number: UNSP 100379 Impact Factor: 3.465 Quartile: 2 Citations: 21 DOI: 10.1016/j.jwpe.2017.03.004	2019
Draw solution recovery using direct contact membrane distillation (DCMD) from osmotic membrane bioreactor (Os-MBR) <i>Muhammad Aamir Shahzad Sher Jamal Khan Muhammad Saboor Siddique</i> <i>Journal of Water Process Engineering</i>, Volume: 30, Special Issue: SI, Article Number: UNSP 100484 Impact Factor: 3.465 Quartile: 1 Citations: 22 DOI: https://doi.org/10.1016/j.jwpe.2017.08.022	2019
Performance evaluation of fertilizer draw solutions for forward osmosis membrane bioreactor treating domestic wastewater <i>Muhammad Adnan Sher Jamal Khan Kamran Manzoor Nicholas P. Hankins</i> <i>Process Safety and Environmental Protection</i>, Volume: 127, Pages: 133-140, Part: B Impact Factor: 4.966 Quartile: 1 Citations: 25 DOI: https://doi.org/10.1016/j.psep.2019.05.006	2019
Antibacterial behaviour of surface modified composite polyamide nanofiltration (NF) membrane by immobilizing Ag-doped TiO2 nanoparticles	2019

Impact Factor: 2.213 | **Quartile:** 3 | **Citations:** 29
DOI: 10.1080/09593330.2019.1617355

Hybrid anaerobic-aerobic biological treatment for real textile wastewater

2019

Rabia Shoukat Sher Jamal Khan Yousuf Jamal
Journal of Water Process Engineering, Volume 29, Article Number UNSP 100804
Impact Factor: 3.465 | **Quartile:** 1 | **Citations:** 126
DOI: 10.1016/j.jwpe.2019.100804

Effect of intermittent operation of lab-scale upflow anaerobic sludge blanket (UASB) reactor on textile wastewater treatment

2018

Ammara Haider Sher Jamal Khan Muhammad Saqib Nawaz Muhammad Usman Saleem
Desalination and Water Treatment, Volume 136, Pages 120–130
Impact Factor: 1.234 | **Quartile:** 3 | **Citations:** 17
DOI: doi: 10.5004/dwt.2018.23231

Esterification Reaction Kinetics of Acetic and Oleic Acids with Ethanol in the Presence of Amberlyst 15

2018

Afeeq Shahid Yousuf Jamal Jamshed Ali Khan Bryan Boulanger Sher Jamal Khan
Arabian Journal for Science and Engineering, Volume 43, Issue 11, Pages 5701-5709
Impact Factor: 1.518 | **Quartile:** 3 | **Citations:** 22
DOI: 10.1007/s13369-017-2927-y

Performance evaluation of hybrid OMBR-MD using organic and inorganic draw solutions

2018

Sher Jamal Khan Muhammad Saboor Siddique Hafiz Muhammad Aamir Shahzad
Water Science and Technology, Vol.78, No.4, Pages 776-785, 25 Sep 2018
Impact Factor: 1.624 | **Quartile:** 3 | **Citations:** 7
DOI: 10.2166/wst.2018.345

Strengthening calcium alginate microspheres using polysulfone and its performance evaluation: Preparation, characterization and application for enhanced biodegradation of chlorpyrifos

2018

Jong-In Han Imran Hashmi Sher Jamal Khan Muhammad Arshad Saira Khalid Ghalib Hasnain Muhammad Ajaz Ahmed
Science of The Total Environment, ISSN:0048-9697, Volumes 631–632, Pages 1046-1058, 1 August 2018, NULL
Impact Factor: 5.589 | **Quartile:** 1 | **Citations:** 15
DOI: 10.1016/j.scitotenv.2018.03.101

Impact of quorum quenching bacteria on biofouling retardation in submerged membrane bioreactor (SMBR)

2018

Saimar Pervez Sher Jamal Khan Hira Waheed Imran Hashmi Chung-Hak Lee
Membrane Water Treatment, Volume: 9, Issue: 4, Pages: 279-284,
Impact Factor: 0.975 | **Quartile:** 4 | **Citations:** 7
DOI: 10.12989/mwt.2018.9.4.279

Insight into the effect of organic and inorganic draw solutes on the flux stability and sludge characteristics in the osmotic membrane bioreactor

2018

Muhammad Saboor Siddique Sher Jamal Khan Muhammad Aamir Shahzad Muhammad Saqib Nawaz Nicholas P. Hankins
Bioresource Technology, Volume 249, Pages 758-766
Impact Factor: 6.669 | **Quartile:** 1 | **Citations:** 33
DOI: 10.1016/j.biortech.2017.10.064

High-performing antifouling bacterial consortium for submerged membrane bioreactor treating synthetic wastewater

2018

Hira Waheed Saimar Pervez Imran Hashmi S.R. Kim Sher Jamal Khan
International Journal of Environmental Science and Technology, Volume 15, Issue 2, Pages 395-404
Impact Factor: 2.031 | **Quartile:** 3 | **Citations:** 11
DOI: 10.1007/s13762-017-1392-1

Optimization of filtration to relaxation mode using woven fiber microfiltration system for water and wastewater treatment

2017

Asghar Ali Sher Jamal Khan Lingam Pillay C. Visvanathan
Desalination and Water Treatment, Volume 96, Pages 69-75
Impact Factor: 1.383 | **Quartile:** 3 | **Citations:** 6
DOI: 10.5004/dwt.2017.21277

Treatment of wastewater with a high C/N ratio in sequencing batch bioreactor (SBBR) containing biocarrier <i>Sher Jamal Khan Bushra Zaman Tariq Mahmood Beenish Saba</i> <i>Environmental Engineering and Management Journal</i> , NULL Impact Factor: 1.334 Quartile: 3 Citations: 9 DOI: 10.30638/eemj.2017.257	2017
A comprehensive assessment of spatial interpolation methods for the groundwater quality evaluation of Lahore, Punjab, Pakistan <i>Syed Umair Shahid Javed Iqbal Sher Jamal Khan Syed Umair Shahid</i> <i>NUST Journal of Engineering Sciences</i> , Vol. 10, No. 1, Pages 1-13 Impact Factor: - DOI: NA	2017
Performance Evaluation of Membrane-Based Septic Tank and Its Reuse Potential for Irrigating Crops <i>Mehwish Khalid Imran Hashmi Sher Jamal Khan</i> <i>Water Environment Research</i> , Volume: 89 Issue: 8 Pages: 744-751 Impact Factor: 0.825 Quartile: 4 Citations: 3 DOI: 10.2175/106143017X14902968254674	2017
Combined Impact of Quorum Quenching and Backwashing on Biofouling Control in a Semi-Pilot Scale MBR Treating Real Wastewater <i>Sher Jamal Khan Muhammad Zeshan Arshad Haris Yar Abdullah Ghalib Hasnain</i> <i>Journal of The Chemical Society of Pakistan</i> , Volume 39, Number 2, Pages 215-223 Impact Factor: 0.28 Quartile: 4 DOI: https://www.researchgate.net/publication/317742291_Combined_impact_of_quorum_quenching_and_backwashing_on_biofouling_control_in_a_semi-pilot_scale_MBR_treating_real_wastewater	2017
Performance evaluation of reverse osmosis (RO) pre-treatment technologies for in-land brackish water treatment <i>Noman Khalid Khanzada Sher Jamal Khan P.A. Davies</i> <i>Desalination</i> , Volume 406, Pages 44-50 Impact Factor: 6.603 Quartile: 1 Citations: 74 DOI: https://doi.org/10.1016/j.desal.2016.06.030	2017
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
Heavy metals removal by osmotic membrane bioreactor (OMBR) and their effect on sludge properties <i>Nicholas P. Hankins Bilal Aftab Sher Jamal Khan Tahir Maqbool</i> <i>Desalination</i> , Volume: 403 Special Issue: SI Pages: 117-127 Impact Factor: 6.603 Quartile: 1 Citations: 46 DOI: 10.1016/j.desal.2016.07.003	2017
Estimation of Physico-Chemical Characteristics of Suspended Particulate Matter (SPM) at Construction Sites: A Statistical Regression-Based Model <i>Khalid Iqbal Muhammad Anwar Baig Sher Jamal Khan</i> <i>Journal of the Chemical Society of Pakistan</i> , Volume 39, No. 02, Pages 197-207 Impact Factor: 0.280 Quartile: 4 DOI: https://www.researchgate.net/publication/317742224_Estimation_of_physico-chemical_characteristics_of_suspended_particulate_matter_SPM_at_construction_sites_A_statistical_regression-based_model	2017
Performance and optimization of lab-scale membrane bioreactors for synthetic municipal wastewater <i>Rita Henderson Sher Jamal Khan Sara Imran Khan Imran Hashmi</i> <i>Desalination and Water Treatment</i> , Volume 57, Issue 60, Pages 29193-29200 Impact Factor: 1.631 Quartile: 2 Citations: 3 DOI: 10.1080/19443994.2016.1165148	2016
Microbial population dynamics and profiling of quorum sensing agents in membrane bioreactor <i>Hira Waheed Imran Hashmi Sher Jamal Khan Sang Ryoung Kim Muhammad Arshad Habib Nasir</i> <i>International Biodeterioration & Biodegradation</i> , Volume 113, Pages 66-73	2016

Impact Factor: 2.962 Quartile: 2 Citations: 31 DOI: 10.1016/j.ibiod.2015.12.014	
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