Sher Jamal Khan

Professor

Institute of Environmental Sciences & Engineering

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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 2070, carried out 20 projects and filed 0 intellectual property.

Qualifications

PhD in Environmental Engineering And Management 2004 - 2008
Asian Institute of Technology , Thailand

MS in Civil And Environmental Engineering 2001 - 2003
Portland State University , United States

BS in Civil Engineering 1996 - 2000
UET Taxila , Pakistan

Experience

Professor 2023- Present
Institute of Environmental Sciences & Engineering

Professor 2019 - 2023
Institute of Environmental Sciences & Engineering

Professor 2018 - 2019
Institute of Environmental Sciences & Engineering

Associate Professor 2013 - 2018
Institute of Environmental Sciences & Engineering

Assistant Professor 2008 - 2013
Institute of Environmental Sciences & Engineering

Lecturer 2003 - 2008
Institute of Environmental Sciences & Engineering

Professor 2018 - 2023
National University of Sciences and Technology (NUST) , IESE building , NUST Campus, Sector H-12, Islamabad

Associate Professor 2013 - 2018
National University of Sciences and Technology (NUST) , IESE Building, NUST Campus, Sector H-12, Islamabad

Assistant Professor 2008 - 2013
National University of Sciences and Technology (NUST) , IESE Building, NUST Campus, Sector H-12, Islamabad

Lecturer 2003 - 2008
National University of Sciences and Technology (NUST) , IESE Building, NUST Campus, Sector H-12, Islamabad

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 Porgramme - 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 2017
Funding Agency: WaterAid Pakistan
Amount: PKR 3,596,200.00
Status: Completed

Clean Water from Scotland to Pakistan 2017
Funding Agency: Scottish Governemnt
Amount: PKR 1,456,000.00
Status: Approved_inprocess

WASH Based Research and Development in Academia 2014
Funding Agency: WaterAid UK
Amount: PKR 10,867,400.00
Status: Completed

Establishment of Pilot Scale Membrane Bioreactor (MBR) at NUST 2012
Funding Agency: NUST
Amount: PKR 37,100,000.00
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 2,100,000.00
Status: Completed

International Projects

Development of GIS Based MIS System for Sindh 2016
Funding Agency: Plan International Pakistan
Amount: PKR 5,784,000.00
Status: Completed

Industry Projects

National Projects

National Gender Data Portal (Milestone 4) 2023
Client: UN Women
Amount: PKR 13,320,130.00
Status: Approved_inprocess

Development of National Gender Data Portal (Milestone 3) 2021
Client: United Nations
Amount: PKR 8,085,048.00
Status: Approved_inprocess

Development of National Gender Data Portal (Milestone 2) 2020
Client: UN Women
Amount: PKR 14,755,079.00
Status: Approved_inprocess

Development of National Gender Data Portal 2020
Client: United Nations Entity for Gender Equality and the Empowerment of Women (UN Women)
Amount: PKR 7,000,068.00
Status: Completed

Roll Out of WASH MIS/GIS and training of LG and PHED officials 2019
Client: UNICEF
Amount: PKR 4,110,000.00
Status: Approved_inprocess

International Projects

Virtual Irrigation Business Models in Pakistan 2022
Client: Australian Centre for International Agricultural Research
Amount: PKR 4,934,230.00
Status: Approved_inprocess

Research Articles

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 Noreddine 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. Noreddine Ghaffour

Chemosphere , Volume: 338, Article Number: 139433

Impact Factor: 8.8 | **Quartile:** 1 | **Citations:** 4

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

Hafiz Muhammad Aamir Shahzad Sher Jamal Khan Musharib Khan Harald Schönberger Frank-Andreas Weber

Korean Journal of Chemical Engineering, Pages 1-12

Impact Factor: 3.146 | **Quartile:** 3 | **Citations:** 8

DOI: 10.1007/s11814-022-1334-6

Recovering and reuse of textile dyes from dyebath effluent using surfactant driven forward osmosis to achieve zero hazardous chemical discharge 2023

Maria Yasmeen Muhammad Saqib Nawaz Sher Jamal Khan Noreddine Ghaffour Muhammad Zafar Khan

Water Research, Volume 230, Article Number 119524

Impact Factor: 13.400 | **Quartile:** 1 | **Citations:** 30

DOI: https://doi.org/10.1016/j.watres.2022.119524

Feasibility Study of Anaerobic Baffled Reactor Coupled with Anaerobic Filter Followed by Membrane Filtration for Wastewater Treatment 2023

Aamir Khan Sher Jamal Khan Waheed Miran Waqas Qamar Zaman Alia Aslam Hafiz Muhammad Aamir Shahzad

Membranes, Volume 13(1), Article Number 79

Impact Factor: 4.562 | **Quartile:** 1 | **Citations:** 6

DOI: https://doi.org/10.3390/membranes13010079

Situational assessment for fecal sludge management in major cities of Pakistan 2022

Nida Maqbool Muhammad Arslan Shahid Sher Jamal Khan

Environmental Science and Pollution Research, Pages 1-12

Impact Factor: 5.8 | **Quartile:** 1 | **Citations:** 10

DOI: https://doi.org/10.1007/s11356-022-22331-2

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

Water Treatment Using High Performance Antifouling Ultrafiltration Polyether Sulfone Membranes Incorporated with Activated Carbon 2022

Zubia Abid Asad Abbas Azhar Mahmood Nosheen Fatima Rana Sher Jamal Khan Laurent Duclaux Kashif Mairaj Deen Nasir Mahmood Ahmad

Polymers, Volume 14, Issue 11, Article Number 2264

Impact Factor: 4.967 | **Quartile:** 1 | **Citations:** 8

DOI: https://doi.org/10.3390/polym14112264

Woven-fiber microfiltration coupled with anaerobic forward osmosis membrane bioreactor treating textile wastewater: Use of fertilizer draw solutes for direct fertigation 2022

Kamran Manzoor Sher Jamal Khan Aamir Khan Hassam Abbasi Waqas Qamar Zaman

Biochemical Engineering Journal, Volume 181, Article Number 108385

Impact Factor: 3.978 | **Quartile:** 2 | **Citations:** 12

DOI: 10.1016/j.bej.2022.108385

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

Targeting Acyl Homoserine Lactones (AHLs) by the quorum quenching bacterial strains to control biofilm formation in Pseudomonas aeruginosa 2022

Sayeda Javariya Khalid Quratul ain Sher Jamal Khan Amna Jalil Muhammad Faisal Siddiqui Tahir Ahmed Malik Badshah Fazal Adnan

Saudi Journal of Biological Sciences, 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

An integrated investigation on anaerobic membrane-based thickening of fecal sludge and the role of extracellular polymeric substances (EPS) in solid-liquid separation 2022

Muhammad Arslan Shahid Nida Maqbool Sher Jamal Khan

Journal of Environmental Management, Volume 305, Article Number 114350

Impact Factor: 6.789 | **Quartile:** 1 | **Citations:** 8

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. Afifi 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 2020

Muhammad Ali Sher Jamal Khan Surraya Mehbub Malik Hafiz Muhammad Aamir Shahzad C. Visvanathan

Journal of Water Process Engineering, Volume 36, Article Number 101246

Impact Factor: 5.485 | **Quartile:** 1 | **Citations:** 6

DOI: 10.1016/j.jwpe.2020.101246

Bi-Polymer Electrospun Nanofibers Embedding Ag3PO4/P25 Composite for Effcient Photocatalytic Degradation and Anti-Microbial Activity 2020

Zunaira Habib Chang-Gu Lee Qilin Li Sher Jamal Khan Yousuf Jamal Xiaochuan Huang Hassan Javed Nasir Mahmood Ahmad

Catalysts , Volume 10, Issue 7, Article Number 784

Impact Factor: 4.146 | **Quartile:** 2 | **Citations:** 10

DOI: 10.3390/catal10070784

Performance evaluation of anaerobic moving bed bioreactor (An-MBBR) for pretreatment of desizing wastewater 2020

Hafiz Muhammad Aamir Shahzad Charel Baumann Sher Jamal Khan Harald Schönberger Frank-Andreas Weber Zeshan

Desalination and Water Treatment , Volume 181, Pages 123-130

Impact Factor: 1.254 | **Quartile:** 4 | **Citations:** 10

DOI: 10.5004/dwt.2020.25106

Impact of osmotic backwashing, particle size distribution and feed-side cross-flow velocity on flux in the forward osmosis membrane bioreactor (FOMBR) 2019

Muhammad Saqib Nawaz Fozia Parveen Sher Jamal Khan Nicholas P. Hankins

Journal of Water Process Engineering, Volume 31, Article No. 100861

Impact Factor: 3.465 | **Quartile:** 2 | **Citations:** 26

DOI: 10.1016/j.jwpe.2019.100861

Impact of sludge recirculation ratios on the performance of anaerobic membrane bioreactor for wastewater treatment 2019

Alia Aslam Dr. Sher Jamal Khan Hafiz Muhammad Aamir Shahzad

Bioresource Technology , Volume 288, Article No. 121473

Impact Factor: 7.539 | **Quartile:** 1 | **Citations:** 29

DOI: https://doi.org/10.1016/j.biortech.2019.121473

Quorum sensing control and wastewater treatment in quorum quenching/ submerged membrane electro-bioreactor (SMEBR(QQ)) hybrid system 2019

Maham Khan Sher Jamal Khan Shadi W. Hasan

Biomass & Bioenergy , Volume 128, Article Number UNSP 105329

Impact Factor: 3.551 | **Quartile:** 2 | **Citations:** 10

DOI: 10.1016/j.biombioe.2019.105329

Evaluation of treatment performance of a full-scale membrane bioreactor (MBR) plant from unsteady to steady state condition 2019

Sher Jamal Khan Ghalib Hasnain Hasan Fareed Roger Ben Aimb

Journal of Water Process Engineering, 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

Draw solution recovery using direct contact membrane distillation (DCMD) from osmotic membrane bioreactor (Os-MBR) 2019

Muhammad Aamir Shahzad Sher Jamal Khan Muhammad Saboor Siddique

Journal of Water Process Engineering, 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

Performance evaluation of fertilizer draw solutions for forward osmosis membrane bioreactor treating domestic wastewater 2019

Muhammad Adnan Sher Jamal Khan Kamran Manzoor Nicholas P. Hankins

Process Safety and Environmental Protection, 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

Antibacterial behaviour of surface modified composite polyamide nanofiltration (NF) membrane by immobilizing Ag-doped TiO2 nanoparticles 2019

Zunaira Habib Sher Jamal Khan Nasir Mehmood Ahmad Hafiz Muhammad Aamir Shahzad Imran Hashmi Yousuf Jamal
Environmental Technology , Pages 1-49
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 2017

Sher Jamal Khan Bushra Zaman Tariq Mahmood Beenish Saba

Environmental Engineering and Management Journal, NULL

Impact Factor: 1.334 | **Quartile:** 3 | **Citations:** 9

DOI: 10.30638/eemj.2017.257

A comprehensive assessment of spatial interpolation methods for the groundwater quality evaluation of Lahore, Punjab, Pakistan 2017

Syed Umair Shahid Javed Iqbal Sher Jamal Khan Syed Umair Shahid

NUST Journal of Engineering Sciences, Vol. 10, No. 1, Pages 1-13

Impact Factor: -

DOI: NA

Performance Evaluation of Membrane-Based Septic Tank and Its Reuse Potential for Irrigating Crops 2017

Mehwish Khalid Imran Hashmi Sher Jamal Khan

Water Environment Research, Volume: 89 Issue: 8 Pages: 744-751

Impact Factor: 0.825 | **Quartile:** 4 | **Citations:** 3

DOI: 10.2175/106143017X14902968254674

Combined Impact of Quorum Quenching and Backwashing on Biofouling Control in a Semi-Pilot Scale MBR Treating Real Wastewater 2017

Sher Jamal Khan Muhammad Zeshan Arshad Haris Yar Abdullah Ghalib Hasnain

Journal of The Chemical Society of Pakistan, 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

Performance evaluation of reverse osmosis (RO) pre-treatment technologies for in-land brackish water treatment 2017

Noman Khalid Khanzada Sher Jamal Khan P.A. Davies

Desalination , Volume 406, Pages 44-50

Impact Factor: 6.603 | **Quartile:** 1 | **Citations:** 74

DOI: https://doi.org/10.1016/j.desal.2016.06.030

Heat extraction and brine management from salinity gradient solar pond and membrane distillation 2017

Kamran Manzoor Sher Jamal Khan Yousuf Jamal Muhammad Aamir Shahzad

Chemical Engineering Research and Design, Volume 118, Pages 226-237

Impact Factor: 2.795 | **Quartile:** 2 | **Citations:** 34

DOI: 10.1016/j.cherd.2016.12.017

Heavy metals removal by osmotic membrane bioreactor (OMBR) and their effect on sludge properties 2017

Nicholas P. Hankins Bilal Aftab Sher Jamal Khan Tahir Maqbool

Desalination , Volume: 403 Special Issue: SI Pages: 117-127

Impact Factor: 6.603 | **Quartile:** 1 | **Citations:** 46

DOI: 10.1016/j.desal.2016.07.003

Estimation of Physico-Chemical Characteristics of Suspended Particulate Matter (SPM) at Construction Sites: A Statistical Regression-Based Model 2017

Khalid Iqbal Muhammad Anwar Baig Sher Jamal Khan

Journal of the Chemical Society of Pakistan, 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

Performance and optimization of lab-scale membrane bioreactors for synthetic municipal wastewater 2016

Rita Henderson Sher Jamal Khan Sara Imran Khan Imran Hashmi

Desalination and Water Treatment, Volume 57, Issue 60, Pages 29193-29200

Impact Factor: 1.631 | **Quartile:** 2 | **Citations:** 3

DOI: 10.1080/19443994.2016.1165148

Microbial population dynamics and profiling of quorum sensing agents in membrane bioreactor 2016

Hira Waheed Imran Hashmi Sher Jamal Khan Sang Ryoung Kim Muhammad Arshad Habib Nasir

International Biodeterioration & Biodegradation, Volume 113, Pages 66-73

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

Optimization of hydraulic retention time (HRT) employing statistical tools of a lab-scale sequencing batch rector (SBR) treating real wastewater of a University campus 2016

Ghalib Hasnain Sher Jamal Khan Saud Ahmed Khan Usama Awais Muhammad Junaid Ahmed Ali Nelufar Raza Saimar Pervez
Journal of Biodiversity and Environmental Sciences, Volume 9, Issue 2, Pages 129-141
Impact Factor: 0
DOI: http://www.innspub.net/wp-content/uploads/2016/08/JBES-Vol9No2-p129-141.pdf

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