Waqas Akram Cheema

Assistant Professor

School of Chemical & Materials Engineering

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About

Dr. Waqas Akram Cheema is working as Assistant Professor in the School of Chemical & Materials Engineering. Dr. Waqas Akram Cheema has a PhD in Water Technologies. Dr. Waqas Akram Cheema has published 8 research articles & conference papers having a citation count of 314, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Water Technologies 2014 - 2017
Technical University of Denmark , Pakistan

Experience

Assistant Professor 2020- Present
School of Chemical & Materials Engineering

Assistant Professor 2017 - 2020
School of Chemical & Materials Engineering

Lecturer 2014 - 2017
School of Chemical & Materials Engineering

Lab Engineer 2013 - 2014
School of Chemical & Materials Engineering

- Present

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Research Projects

National Projects

Design and Development of Hybrid (UV-03) Treatment System for the Removal of Chlorination byproducts in Swimming Pool Water 2018
Funding Agency: HEC
Amount: PKR 498,000.00
Status: Completed

International Projects

Research Articles

Surface Modification of TFC-PA RO Membrane by Grafting Hydrophilic pH Switchable Poly(Acrylic Acid) Brushes 2020

Muhammad Asad Abbas Shehla Mushtaq Waqas Akram Cheema Hazim Qiblawey Shenmin Zhu Yao Li Runnan Zhang Hong Wu Zhongyi Jiang Rehan Sadi
Muhammad Asad Abbas Shehla Mushtaq Hazim Qiblawey Shenmin Zhu Yao Li Runnan Zhang Hong Wu Zhongyi Jiang Rehan Sadiq Nasir Mahmood Ahmad

Advances in Polymer Technology, Volume 2020, Article ID 8281058, 12 pages

Impact Factor: 2.389 | **Quartile:** 3 | **Citations:** 27

DOI: https://doi.org/10.1155/2020/8281058

Removal of Hg(II) in aqueous solutions through physical and chemical adsorption principles 2019

NASIR MEHMOOD AHMED Mengdan Xia Zhixin Chen Yao Li Chuanhua Li Waqas A. Cheema Shenmin Zhu

RSC Advances, Volume 9 Issue 36, Pages 20941-20953

Impact Factor: 3.119 | **Quartile:** 2 | **Citations:** 97

DOI: 10.1039/c9ra01924c

Polymer Concentration and Solvent Variation Correlation with the Morphology and Water Filtration Analysis of Polyether Sulfone Microfiltration Membrane 2019

Muhammad Azeem U. R. Alvi Muhammad Waqas Khalid Nasir M. Ahmad Muhammad Bilal Khan Niazi Muhammad Nabeel Anwar Mehwish Batool Waqas Akram Cheema Sikandar Rafiq

Advances in Polymer Technology, Volume 2019, Article ID 8074626, 11 pages

Impact Factor: 1.539 | **Quartile:** 3 | **Citations:** 44

DOI: 10.1155/2019/8074626

Improved DBP elimination from swimming pool water by continuous combined UV and ozone treatment 2018

Waqas Cheema Henrik R. Andersen Kamilla M.S. Kaarsholm

Water Research, Volume 147, Pages 214-222

Impact Factor: 7.913 | **Quartile:** 1 | **Citations:** 17

DOI: 10.1016/j.watres.2018.09.030

Graphene Oxide-PES-Based Mixed Matrix Membranes for Controllable Antibacterial Activity against Salmonella typhi and Water Treatment 2018

Haleema Tariq Bhatti Nasir Mahmood Ahmad Muhammad Bilal Khan Niazi Muhammad Azeem-ur-Rehman Alvi Naveed Ahmad Muhammad Nabeel Anwar Waqas Akram Cheema Sheraz Tariq Mehwish Batool Hussnain Ahmed Janjua Asim Laeeq Khan Asad U. Khan Zaeem Aman

The International Journal of Polymer Science, NULL

Impact Factor: 1.892 | **Quartile:** 2 | **Citations:** 17

DOI: https://doi.org/10.1155/2018/7842148

Effect of medium-pressure UV-lamp treatment on disinfection by-products in chlorinated seawater swimming pool waters 2017

Waqas Akram Cheema Tarek Manasfi Kamilla M.S.Kaarsholm Henrik R.Andersen Jean-Luc Boudenne Tarek Manasfi Kamilla M.S.Kaarsholm Henrik R.Andersen Jean-Luc Boudenne

Science of the Total Environment, Volume: 599, Pages: 910-917

Impact Factor: 4.610 | **Quartile:** 1 | **Citations:** 29

DOI: DOI:10.1016/j.scitotenv.2017.05.008

Combined UV treatment and ozonation for the removal of by-product precursors in swimming pool water 2017

Waqas Akram Cheema Kamilla M.S. Kaarsholm Henrik R. Andersen Kamilla M.S. Kaarsholm Henrik R. Andersen

Water Research, Volume 110, Pages 141-149

Impact Factor: 7.051 | **Quartile:** 1 | **Citations:** 50

DOI: http://dx.doi.org/10.1016/j.watres.2016.12.008

Effect of ozonation of swimming pool water on formation of volatile disinfection by-products - A laboratory study 2016

Kamilla M.S. Hansen Aikaterini Spiliotopoulou Waqas Akram Cheema Henrik R. Andersen

Chemical Engineering Journal, Volume 289, Pages 277-285

Impact Factor: 6.216 | **Quartile:** 1 | **Citations:** 33

DOI: doi:10.1016/j.cej.2015.12.052