

## Imran Hashmi

Professor

Institute of Environmental Sciences & Engineering

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## About

Dr. Imran Hashmi is working as Professor in the Institute of Environmental Sciences & Engineering. Dr. Imran Hashmi has a PhD in Environmental Sciences. Dr. Imran Hashmi has published 156 research articles & conference papers having a citation count of 1661, carried out 4 projects and filed 0 intellectual property.

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## Qualifications

<b>PhD in Environmental Sciences</b> University of Karachi , Pakistan	1994 - 2001
<b>MSc in Biochemistry</b> University of Karachi , Pakistan	1994 - 1995
<b>B.Sc (Hon) in Biochemistry</b> University of Karachi , Pakistan	1990 - 1994

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## Experience

<b>Professor</b> Institute of Environmental Sciences & Engineering	2021- Present
<b>Professor</b> Institute of Environmental Sciences & Engineering	2015 - 2021
<b>Professor</b> Institute of Environmental Sciences & Engineering	2013 - 2015
<b>Associate Professor</b> Institute of Environmental Sciences & Engineering	2012 - 2013
<b>Assistant Professor</b> Institute of Environmental Sciences & Engineering	2004 - 2012
<b>World Wide Fund for Nature, Pakistan (WWF-P)</b> World Wide Fund for Nature, Pakistan (WWF-P) , WWF-P, Islamabad	2002 - 2004
<b>Cooperative Teacher</b> University of Karachi, Pakistan , University of Karachi, Pakistan	2001 - 2001
<b>Research Fellow</b> University of Karachi, Pakistan , University of Karachi, Pakistan	1994 - 2001

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## Awards

<b>Research Fellowship</b> Research Fellowship Institute of Environmental Studies, University of Karachi (1994-2000)
<b>Postdoctoral Fellowship</b> Postdoctoral Fellowship, Chonbuk National University, South Korea (2001-2002)
<b>Short term Exchange Program</b> Short term Exchange Program (STEP) by Higher Education Commission (HEC) (2005)
<b>Postdoctoral Fellowship</b> Postdoctoral Fellowship, Michigan State University, USA (2006-2007)

Research Projects

National Projects

<b>Kinetics of drinking water disinfection byproduct (chlorine) at Lab Scale and within the distribution network</b> <b>Funding Agency:</b> NUST <b>Amount:</b> PKR 0.29 <b>Status:</b> Completed	2012
<b>Mycelium-Based Bioplastic: An Alternative to Polystyrene</b> <b>Funding Agency:</b> Pakistan Engineering Council <b>Amount:</b> PKR 200,000.00 <b>Status:</b> Completed	2023
<b>Prevalence of antibacterial resistance (ABR) in Environmental Samples</b> <b>Funding Agency:</b> HEC <b>Amount:</b> PKR 19,727,000.00 <b>Status:</b> Completed	2022
<b>Quantifying the transmission routes of gastroenteritis in Pakistan and developing targeted interventions</b> <b>Funding Agency:</b> Grand Challenge Research Fund, UK <b>Amount:</b> PKR 110,950,000.00 <b>Status:</b> Approved_inprocess	2020

International Projects

Research Articles

<b>Monitoring of bacterial and potentially toxic elements contamination in the Rawal Lake tributaries and filtration plant</b> <i>Ghazi Akbar Joanna Kimberley Summers Imran Hashmi Christopher Quince Elizabeth Wellington Ahmed Waleed Ebadat ur Rehman Namra Tariq Zaib Un Nisa Anam Fatima Huma Zaheer Sahaab Farooq Izzah Ilyas Sana Ali Aneela Javed Environmental Monitoring and Assessment</i> , Volume:197, Article Number:632, Page:16 <b>Impact Factor:</b> 3.0   <b>Quartile:</b> 3 <b>DOI:</b> 10.1007/s10661-025-14069-4	2025
<b>Investigating the influence of tank material and residual chlorine on the proliferation of bacterial biofilm growth in the drinking water storage systems</b> <i>Aiza Javed Hira Amjad Imran Hashmi Waheed Miran Journal of Water Sanitation and Hygiene for Development</i> , Volume:15, Issue:4, Pages 305-321 <b>Impact Factor:</b> 1.4   <b>Quartile:</b> 4   <b>Citations:</b> 1 <b>DOI:</b> <a href="https://doi.org/10.2166/washdev.2025.285">https://doi.org/10.2166/washdev.2025.285</a>	2025
<b>Treatment Efficiency of Integrated Constructed Wetland for Domestic Wastewater</b> <i>Faria Javed Sumbal Fazakat Imran Hashmi Hamza Farooq Gabriel NUST Journal of Engineering Sciences</i> , Volume 17, No. 1, Pages 39-48 <b>Impact Factor:</b> N/A <b>DOI:</b> <a href="https://doi.org/10.24949/njes.v17i1.741">https://doi.org/10.24949/njes.v17i1.741</a>	2024
<b>An integrated assessment of fecal sludge management (FSM) in Islamabad, Pakistan: challenges and treatment solutions</b> <i>Nida Maqbool Sher Jamal Khan Imran Hashmi International Journal of Environmental Science and Technology</i> , Pages 1-14 <b>Impact Factor:</b> 3.000   <b>Quartile:</b> 2 <b>DOI:</b> <a href="https://doi.org/10.1007/s13762-024-05752-z">https://doi.org/10.1007/s13762-024-05752-z</a>	2024
<b>Monitoring of university wastewater within the sewage system and its performance evaluation through integrated constructed wetlands</b> <i>Talyaa Najam Imran Hashmi Environmental Monitoring and Assessment</i> , Volume:196, Issue:4, Article Number 403 <b>Impact Factor:</b> 2.9   <b>Quartile:</b> 3 <b>DOI:</b> 10.1007/s10661-024-12575-5	2024
<b>Sulfamethoxazole (SMX) Alters Immune and Apoptotic Endpoints in Developing Zebrafish (Danio rerio)</b>	2023

<p><i>Nazish Iftikhar Imran Hashmi Isaac Konig Cole English Emma Ivantsova Christopher L. Souders II Christopher J. Martyniuk</i>  <i>Toxics</i> , Volume 11, Issue 2, Article Number 178</p> <p><b>Impact Factor:</b> 4.472   <b>Quartile:</b> 2   <b>Citations:</b> 24  <b>DOI:</b> <a href="https://doi.org/10.3390/toxics11020178">https://doi.org/10.3390/toxics11020178</a></p>	
<p><b>Drinking water quality monitoring of centralized water storage reservoirs in various zones of the National University in semi-arid region of Pakistan</b></p> <p><i>Aiza Javed Hira Amjad Imran Hashmi</i>  <i>NUST Journal of Engineering Science (NJES)</i> , Volume 15, No. 2, Pages 44-52</p> <p><b>Impact Factor:</b> 0  <b>DOI:</b> <a href="https://doi.org/10.24949/njes.v15i2.721">https://doi.org/10.24949/njes.v15i2.721</a></p>	2022
<p><b>Photodegradation and toxicity assessment of lambda cyhalothrin demonstrated by histopathological and biochemical indices in grass carp</b></p> <p><i>Mehwish Niaz Mehwish Khalid Nazish Iftikhar Imran Hashmi</i>  <i>Journal of Environmental Treatment Techniques</i> , Volume 10, Issue 4, Pages 295-302</p> <p><b>Impact Factor:</b> N/A  <b>DOI:</b> <a href="https://doi.org/10.47277/JETT/10(4)302">https://doi.org/10.47277/JETT/10(4)302</a></p>	2022
<p><b>Comprehensive analysis of spatial distribution of microplastics in Rawal Lake, Pakistan using trawl net and sieve sampling methods</b></p> <p><i>Rabia Nausheen Imran Hashmi Daniel Rittschof Angela Capper</i>  <i>Chemosphere</i> , Volume 308, Part 1, Article Number 136111</p> <p><b>Impact Factor:</b> 8.943   <b>Quartile:</b> 1   <b>Citations:</b> 24  <b>DOI:</b> <a href="https://doi.org/10.1016/j.chemosphere.2022.136111">https://doi.org/10.1016/j.chemosphere.2022.136111</a></p>	2022
<p><b>Bioremediation of Synthetic Pyrethroid by Hydrolases of Bacillus aryabhatai and Bacillus circulans Derived from Indigenous Soil</b></p> <p><i>Huma Farooq Mehwish Khalid Imran Hashmi</i>  <i>Journal of Environmental Treatment Techniques</i> , Volume 10(3), Pages 187-194</p> <p><b>Impact Factor:</b> N/A  <b>DOI:</b> <a href="https://doi.org/10.47277/JETT/10(3)194">https://doi.org/10.47277/JETT/10(3)194</a></p>	2022
<p><b>Central composite rotatable design for optimization of trihalomethane extraction and detection through gas chromatography: a case study</b></p> <p><i>Sajida Rasheed Imran Hashmi Q. Zhou J. K. Kim L. C. Campos</i>  <i>International Journal of Environmental Science and Technology</i> , Pages 1-14</p> <p><b>Impact Factor:</b> 3.519   <b>Quartile:</b> 3   <b>Citations:</b> 13  <b>DOI:</b> <a href="https://doi.org/10.1007/s13762-022-04070-6">https://doi.org/10.1007/s13762-022-04070-6</a></p>	2022
<p><b>Detection in influx sources and estimation of microplastics abundance in surface waters of Rawal Lake, Pakistan</b></p> <p><i>Atif Bashir Imran Hashmi</i>  <i>Heliyon</i> , Volume 8, Issue 3, Article Number e09166</p> <p><b>Impact Factor:</b> 3.776   <b>Quartile:</b> 2   <b>Citations:</b> 28  <b>DOI:</b> <a href="https://doi.org/10.1016/j.heliyon.2022.e09166">https://doi.org/10.1016/j.heliyon.2022.e09166</a></p>	2022
<p><b>Multi-biomarkers approach to determine the toxicological impacts of sulfamethoxazole antibiotic on freshwater fish Cyprinus carpio</b></p> <p><i>Nazish Iftikhar Rabeea Zafar Imran Hashmi</i>  <i>Ecotoxicology and Environmental Safety</i> , Volume 233, Article Number 113331</p> <p><b>Impact Factor:</b> 7.129   <b>Quartile:</b> 1   <b>Citations:</b> 34  <b>DOI:</b> <a href="https://doi.org/10.1016/j.ecoenv.2022.113331">https://doi.org/10.1016/j.ecoenv.2022.113331</a></p>	2022
<p><b>Chemical and Biological Food Safety Threats Associated with Fresh Juices Consumed in Capital Territory Islamabad, Pakistan</b></p> <p><i>Dr. Imran Hashmi Shaista Zahoor Shazia Iqbal Ali Akbar Hamid Ullah Hamida Panezai Anwar Khan Sadia Majid</i>  <i>Progress in Nutrition</i> , Volume 23(4), Article Number e2021144</p> <p><b>Impact Factor:</b> N/A   <b>Citations:</b> 2  <b>DOI:</b> <a href="https://doi.org/10.23751/pn.v23i4.9012">https://doi.org/10.23751/pn.v23i4.9012</a></p>	2022
<p><b>Performance efficiency of a large-scale integrated constructed wetland</b></p> <p><i>Kanza naseer Imran Hashmi Muhammad Arshad Hamza Farooq Gabriel</i>  <i>Journal of Environmental Treatment Techniques</i> , Volume 9(3), Pages 629-635</p> <p><b>Impact Factor:</b> -</p>	2021

DOI: <a href="https://doi.org/10.47277/JETT/9(3)635">https://doi.org/10.47277/JETT/9(3)635</a>	
<b>Water quality assessment of Raw and Chlorinated drinking water of a Residential University</b> <i>Huda Kamal Dr. Imran Hashmi</i> <i>NUST Journal of Engineering Sciences</i> , Volume 14, No. 1, Pages 12-19 <b>Impact Factor:</b> N/A <b>DOI:</b> <a href="https://doi.org/10.24949/njes.v14i1.633">https://doi.org/10.24949/njes.v14i1.633</a>	2021
<b>Physico-chemical and Bacteriological analysis of Tap water of a Residential University of Pakistan</b> <i>Huda Kamal Imran Hashmi</i> <i>International Research Journal of Environmental Sciences</i> , Volume 10(3), Article Number 15-29 <b>Impact Factor:</b> N/A <b>DOI:</b> -	2021
<b>Vermiremediation – Remediation of Soil Contaminated with Oil Using Earthworm (Eisenia fetida)</b> <i>Fria Javed Imran Hashmi</i> <i>Soil and Sediment Contamination: An International Journal</i> , Volume 30, Issue 6, Pages 639-662 <b>Impact Factor:</b> 2.061   <b>Quartile:</b> 3   <b>Citations:</b> 17 <b>DOI:</b> <a href="https://doi.org/10.1080/15320383.2021.1885343">https://doi.org/10.1080/15320383.2021.1885343</a>	2021
<b>Assessment of immunohematological, hematological and biochemical responses in cultivable fish Cyprinus carpio exposed to an antibiotic sulfamethoxazole (SMX)</b> <i>Nazish Iftikhar Imran Hashmi</i> <i>Journal of Water and Health</i> , Volume 19 (1), Pages 108–119 <b>Impact Factor:</b> 1.744   <b>Quartile:</b> 4   <b>Citations:</b> 26 <b>DOI:</b> <a href="https://doi.org/10.2166/wh.2020.183">https://doi.org/10.2166/wh.2020.183</a>	2021
<b>Quorum quenching specific genes screening among indigenous bacteria from full-scale membrane bioreactor and its application for biofouling control in a laboratory-scale</b> <i>Sher Jamal Khan Shabila Perveen Talha Bin Umeed Imran Hashmi</i> <i>Desalination and Water Treatment</i> , Volume 211, Pages 399–410 <b>Impact Factor:</b> 1.273   <b>Quartile:</b> 4 <b>DOI:</b> -	2021
<b>Inactivation Dynamics of Gram-negative and Gram-positive Microbes in Drinking Water: a Comparative Study of Chlorine and Monochloramine Disinfection</b> <i>Amrah Qureshi Imran Hashmi Romana Khan Sajida Rasheed</i> <i>Journal of Water Chemistry and Technology</i> , Volume 42, Pages 381-389 <b>Impact Factor:</b> 0.669   <b>Quartile:</b> 4 <b>DOI:</b> 10.3103/S1063455X20050112	2020
<b>Biocidal potential of electrochemically activated solutions (ECAS) against Aeromonas sp. Enterobacter sp. and Escherichia coli in tap water</b> <i>Sabtain Ali Sher Jamal Khan Richard Allan Imran Hashmi</i> <i>Journal of Water Process Engineering</i> , Volume 36, Article Number 101328 <b>Impact Factor:</b> 5.485   <b>Quartile:</b> 1   <b>Citations:</b> 2 <b>DOI:</b> 10.1016/j.jwpe.2020.101328	2020
<b>Comparison of chlorination and chloramination practices on microbial inactivation efficiencies within a scaled-up water distribution network using central composite design</b> <i>Romana Khan Imran Hashmi Amrah Qureshi Sajida Rasheed</i> <i>Water and Environment Journal</i> , Pages 1-16 <b>Impact Factor:</b> 2.070   <b>Quartile:</b> 2   <b>Citations:</b> 3 <b>DOI:</b> <a href="https://doi.org/10.1111/wej.12625">https://doi.org/10.1111/wej.12625</a>	2020
<b>The selective pressure of quorum quenching on microbial communities in membrane bioreactors</b> <i>Hira Waheed Imran Hashmi Yeyuan Xiao Yan Zhou</i> <i>Chemosphere</i> , Volume 247, Article Number 125953 <b>Impact Factor:</b> 7.086   <b>Quartile:</b> 1   <b>Citations:</b> 31 <b>DOI:</b> <a href="https://doi.org/10.1016/j.chemosphere.2020.125953">https://doi.org/10.1016/j.chemosphere.2020.125953</a>	2020
<b>Plant uptake and leaching potential upon application of amendments in soils spiked with heavy metals (Cd and Pb)</b> <i>Muhammad Arshad Imran Hashmi Muhammad Faraz Bhatti Iram Gul Maria Manzoor Jean Kallerhof</i> <i>Journal of Environmental Management</i> , Volume 249, Article Number UNSP 109408	2019

<b>Impact Factor:</b> 5.647   <b>Quartile:</b> 1   <b>Citations:</b> 69 <b>DOI:</b> 10.1016/j.jenvman.2019.109408	
<b>Evaluation of genotoxicity and hematological effects in common carp (Cyprinus carpio) induced by disinfection by-products</b> <i>Samina Perveen Imran Hashmi Romana Khan</i> <i>Journal of Water and Health</i> , Volume: 17 Issue: 5 Pages: 762-776 <b>Impact Factor:</b> 1.349   <b>Quartile:</b> 4   <b>Citations:</b> 20 <b>DOI:</b> 10.2166/wh.2019.261	2019
<b>Metal tolerant bacteria enhanced phytoextraction of lead by two accumulator ornamental species</b> <i>Maria Manzoor Iram Gul Iftikhar Ahmed Muhammad Zeeshan Ali Khan Imran Hashmi Bilal Ahmad Zafar Amin Jean Kallerhoff Muhammad Arshad</i> <i>Chemosphere</i> , Volume 227, Page 561-569 <b>Impact Factor:</b> 5.778   <b>Quartile:</b> 1   <b>Citations:</b> 52 <b>DOI:</b> 10.1016/j.chemosphere.2019.04.093	2019
<b>Antibacterial behaviour of surface modified composite polyamide nanofiltration (NF) membrane by immobilizing Ag-doped TiO<sub>2</sub> nanoparticles</b> <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 <b>Impact Factor:</b> 2.213   <b>Quartile:</b> 3   <b>Citations:</b> 29 <b>DOI:</b> 10.1080/09593330.2019.1617355	2019
<b>Carbon storage and allocation pattern in plant biomass under drought stress and nitrogen supply in eucalyptus camaldulensis and populus deltoides</b> <i>Saira Kanwal Sofia Baig Imran Hashmi</i> <i>Pakistan Journal of Botany</i> , Volume 51, Issue 5, Pages 1605-1614 <b>Impact Factor:</b> 0.800   <b>Quartile:</b> 4   <b>Citations:</b> 3 <b>DOI:</b> 10.30848/PJB2019-5(14)	2019
<b>Species-specific interaction of trihalomethane (THM) precursors in a scaled-up distribution network using response surface methodology (RSM)</b> <i>Sajida Rasheed Imran Hashmi Jong. K. Kim Qizhi Zhou Luiza C. Campos Luiza C. Campos</i> <i>Environmental Technology</i> , Volume: 39 Issue: 3 Pages: 346-355, Published: 2018 <b>Impact Factor:</b> 1.918   <b>Quartile:</b> 3   <b>Citations:</b> 9 <b>DOI:</b> 10.1080/09593330.2017.1301564	2018
<b>Incidence of chlorination by-products in an institutional drinking water distribution network, Islamabad, Pakistan, using response surface methodology</b> <i>Romana Khan Imran Hashmi Habib Nasir Sajida Rasheed Luiza C. Campos</i> <i>Journal of Water, Sanitation and Hygiene for Development</i> , NULL <b>Impact Factor:</b> 0.977   <b>Quartile:</b> 4   <b>Citations:</b> 4 <b>DOI:</b> 10.2166/washdev.2018.047	2018
<b>Strengthening calcium alginate microspheres using polysulfone and its performance evaluation: Preparation, characterization and application for enhanced biodegradation of chlorpyrifos</b> <i>Jong-In Han Imran Hashmi Sher Jamal Khan Muhammad Arshad Saira Khalid Ghalib Hasnain Muhammad Ajaz Ahmed</i> <i>Science of The Total Environment</i> , ISSN:0048-9697, Volumes 631–632, Pages 1046-1058, 1 August 2018, NULL <b>Impact Factor:</b> 5.589   <b>Quartile:</b> 1   <b>Citations:</b> 15 <b>DOI:</b> 10.1016/j.scitotenv.2018.03.101	2018
<b>Biodegradation of phenol and benzene by endophytic bacterial strains isolated from refinery wastewater-fed Cannabis sativa</b> <i>Aneela Iqbal Muhammad Arshad Imran Hashmi Raghupathy Karthikeyan Terry J. Gentry Arthur Paul Schwab</i> <i>Environmental Technology</i> , Volume 39, Issue 13, Pages 1705-1714 <b>Impact Factor:</b> 1.918   <b>Quartile:</b> 3   <b>Citations:</b> 41 <b>DOI:</b> 10.1080/09593330.2017.1337232	2018
<b>Impact of meteorological conditions on the water quality of wastewater treatment systems: a comparative study of phytoremediation and membrane bioreactor system</b> <i>Khushbakht Andaleeb Imran Hashmi</i> <i>Water Sci Technol</i> , Volume 77, Pages 718-728, Special Issue 3 <b>Impact Factor:</b> 1.624   <b>Quartile:</b> 3   <b>Citations:</b> 2 <b>DOI:</b> 10.2166/wst.2018.247	2018

<b>Impact of quorum quenching bacteria on biofouling retardation in submerged membrane bioreactor (SMBR)</b> <i>Saimar Pervez Sher Jamal Khan Hira Waheed Imran Hashmi Chung-Hak Lee</i> <i>Membrane Water Treatment</i> , Volume: 9, Issue: 4, Pages: 279-284, <b>Impact Factor: 0.975   Quartile: 4   Citations: 7</b> <b>DOI: 10.12989/mwt.2018.9.4.279</b>	2018
<b>In tandem effects of activated carbon and quorum quenching on fouling control and simultaneous removal of pharmaceutical compounds in membrane bioreactors</b> <i>Imran Hashmi Yan Zhou Yeyuan Xiao Hira Waheed Keke Xiao</i> <i>Chemical Engineering Journal</i> , Volume 341, Pages 610-617 <b>Impact Factor: 8.355   Quartile: 1   Citations: 42</b> <b>DOI: 10.1016/j.cej.2018.02.073</b>	2018
<b>Microbial quality assessment of indoor air in a large hospital building during winter and spring seasons</b> <i>Ayesha Asif Muhammad Zeeshan Ali Khan Imran Hashmi Uzma Zahid Muhammad Faraz Bhatti</i> <i>Building and Environment</i> , NULL <b>Impact Factor: 4.820   Quartile: 1   Citations: 53</b> <b>DOI: 10.1016/j.buildenv.2018.03.010</b>	2018
<b>High-performing antifouling bacterial consortium for submerged membrane bioreactor treating synthetic wastewater</b> <i>Hira Waheed Saimar Pervez Imran Hashmi S.R. Kim Sher Jamal Khan</i> <i>International Journal of Environmental Science and Technology</i> , Volume 15, Issue 2, Pages 395-404 <b>Impact Factor: 2.031   Quartile: 3   Citations: 11</b> <b>DOI: 10.1007/s13762-017-1392-1</b>	2018
<b>Photocatalytic Inactivation of Hospital-Associated Bacteria using Titania Nanoparticle Coated Textiles</b> <i>Tehseen Tahir Ishtiaq Ahmed Qazi Imran Hashmi Muhammad Anwar Baig</i> <i>Journal of the Chemical Society of Pakistan</i> , NULL <b>Impact Factor: 0.28   Quartile: 4   Citations: 175</b> <b>DOI: 10.1016/j.jhin.2015.02.017</b>	2017
<b>Insights into quorum quenching mechanisms to control membrane biofouling under changing organic loading rates</b> <i>Hira Waheed Yeyuan Xiao Imran Hashmi David Stuckey Yan Zhou</i> <i>Chemosphere</i> , Volume 182, Pages 40-47 <b>Impact Factor: 4.427   Quartile: 1   Citations: 42</b> <b>DOI: <a href="https://doi.org/10.1016/j.chemosphere.2017.04.151">https://doi.org/10.1016/j.chemosphere.2017.04.151</a></b>	2017
<b>Performance Evaluation of Membrane-Based Septic Tank and Its Reuse Potential for Irrigating Crops</b> <i>Mehwish Khalid Imran Hashmi Sher Jamal Khan</i> <i>Water Environment Research</i> , Volume: 89 Issue: 8 Pages: 744-751 <b>Impact Factor: 0.825   Quartile: 4   Citations: 3</b> <b>DOI: 10.2175/106143017X14902968254674</b>	2017
<b>Effects of selective meteorological parameters on water quality of wastewater treatment systems</b> <i>Khushbakht Andleeb Khushbakht Andleeb Imran Hashmi</i> <i>Pakistan Journal of Meteorology</i> , Volume 14, Issue 27, Pages 13-23 <b>Impact Factor: N/A</b> <b>DOI: -</b>	2017
<b>Ozone Disinfection Efficiency for Indicator Microorganisms at Different pH Values and Temperatures</b> <i>Asma Jamil Shaukat Farooq Imran Hashmi</i> <i>Ozone: Science &amp; Engineering</i> , Volume 39, Issue 6, Pages 407-416 <b>Impact Factor: 1.232   Quartile: 4   Citations: 31</b> <b>DOI: 10.1080/01919512.2017.1322489</b>	2017
<b>Effect of trihalomethanes (chloroform and bromoform) on human haematological count</b> <i>Asna Lodhi Imran Hashmi Habib Nasir Romana Khan</i> <i>Journal of Water and Health</i> , Volume 15, Issue 3, Pages 367-373 <b>Impact Factor: 1.352   Quartile: 3   Citations: 12</b> <b>DOI: 10.2166/wh.2017.207</b>	2017

<b>Performance and optimization of lab-scale membrane bioreactors for synthetic municipal wastewater</b> <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 <b>Impact Factor:</b> 1.631   <b>Quartile:</b> 2   <b>Citations:</b> 3 <b>DOI:</b> 10.1080/19443994.2016.1165148	2016
<b>Biodegradation of low density polyethylene (LDPE) modified with dye sensitized titania and starch blend using <i>Stenotrophomonas pavanii</i></b> <i>Ch Tahir Mehmood Ishtiaq A Qazi Imran Hashmi Samarth Bhargava Sriramulu Deepa</i> <i>International Biodeterioration &amp; Biodegradation</i> , Volume 113, Pages 276-286 <b>Impact Factor:</b> 2.962   <b>Quartile:</b> 2   <b>Citations:</b> 88 <b>DOI:</b> 10.1016/j.ibiod.2016.01.025	2016
<b>Microbial population dynamics and profiling of quorum sensing agents in membrane bioreactor</b> <i>Hira Waheed Imran Hashmi Sher Jamal Khan Sang Ryoung Kim Muhammad Arshad Habib Nasir</i> <i>International Biodeterioration &amp; Biodegradation</i> , Volume 113, Pages 66-73 <b>Impact Factor:</b> 2.962   <b>Quartile:</b> 2   <b>Citations:</b> 31 <b>DOI:</b> 10.1016/j.ibiod.2015.12.014	2016
<b>Effect of metal ions and petrochemicals on bioremediation of chlorpyrifos in aerobic sequencing batch bioreactor (ASBR)</b> <i>Saira Khalid Imran Hashmi Sher Jamal Khan Ishtiaq Ahmad Qazi Habib Nasir</i> <i>Environmental Science and Pollution Research</i> , Volume 23, Pages 20646–20660 <b>Impact Factor:</b> 2.741   <b>Quartile:</b> 2   <b>Citations:</b> 10 <b>DOI:</b> 10.1007/s11356-016-7153-8	2016
<b>Biomonitoring of Toxic Effects of Pesticides in Occupationally Exposed Individuals</b> <i>Muhammad Arshad Maryam Siddiqa Saddaf Rashid Imran Hashmi Muhammad Ali Awan Muhammad Arif Ali</i> <i>Safety and Health at Work</i> , Volume 7, Issue 2, Pages 156-160 <b>Impact Factor:</b> 0   <b>Citations:</b> 18 <b>DOI:</b> 10.1016/j.shaw.2015.11.001	2016
<b>Optimization of total trihalomethanes'(TTHMs) and their precursors' removal by granulated activated carbon (GAC) and sand dual media by response surface methodology (RSM)</b> <i>Sajida Rasheed Luiza Campos Jong Kim Qizhi Zhou Imran Hashmi</i> <i>Water Science and Technology: Water Supply</i> , Volume 16, Issue 3, Pages 783-793 <b>Impact Factor:</b> 0.573   <b>Quartile:</b> 4   <b>Citations:</b> 19 <b>DOI:</b> 10.2166/ws.2015.175	2016
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## Conference Proceedings

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<b>Green Synthesis of Silver Nanoparticles and Their Application against Pathogenic Water Borne Bacteria</b> <i>Imran Hashmi Saima Mehar Shafia Parveen Habib Nasir Shazia Iqbal</i> <i>6th International Conference on Sustainable Agriculture In Changing Climate: Strategies And Management, res.country(177,)</i> <b>Citations:</b> N/A <b>DOI:</b> N/A	2019
<b>microplastics pollution in surface water of rawal lake, Pakistan a comparison of two sampling methods</b> <i>Rabia Nosheen Imran Hashmi</i> <i>8th Global Conference on global warming Doha, Qatar, res.country(186,)</i> <b>Citations:</b> N/A <b>DOI:</b> N/A	2019
<b>Water Quality Assessment of Rawal Dam with Special Consideration to Chattar, Murree Stream</b> <i>Hamza Bin Riaz Imran Hashmi Hamza Bin Riaz Imran Hashmi Hamza Bin Riaz Imran Hashmi</i> <i>Pakistan Engineering Congress - World Water Day, res.country(177,)</i> <b>Citations:</b> N/A <b>DOI:</b> n/a	2019
<b>Nutrient Removal Efficiency of Constructed Wetland for Wastewater Treatment and Reuse</b> <i>Kanza Naseer Imran Hashmi</i> <i>World Water Day 2019, res.country(177,)</i> <b>Citations:</b> N/A <b>DOI:</b> n/a	2019
<b>Nutrient removal efficiency of constructed wetlands for wastewater treatment and reuse</b> <i>Kanza Naseer Imran Hashm</i> <i>Pakistan Engineering Congress on the Eve of World Water Day, res.country(177,)</i> <b>Citations:</b> N/A <b>DOI:</b> -	2019
<b>Estimating relationship between climatological parameters and water quality parameters in Constructed Wetland, NUST, H-12 Islamabad</b> <i>Sidra Butt Imran Hashmi</i> <i>ESCON, 2019: INTERNATIONAL CONFERENCE ON ENVIRONMENTAL TOXICOLOGY AND HEALTH, res.country(177,)</i> <b>Citations:</b> N/A <b>DOI:</b> N/A	2019
<b>Impact of Pb and Cd on soil microbial biomass and enzymatic activities upon application of organic and inorganic amendments</b> <i>Iram Gul Maria Manzoor Imran Hashmi</i> <i>ESCON, 2019: INTERNATIONAL CONFERENCE ON ENVIRONMENTAL TOXICOLOGY AND HEALTH, res.country(177,)</i> <b>Citations:</b> N/A <b>DOI:</b> N/A	2019
<b>Microbial degradation via chemical oxygen demand reduction in a submerged culture medium supplemented with Sulfamethoxazole</b> <i>Maimoon Zafar Imran Hashmi</i> <i>ESCON, 2019: INTERNATIONAL CONFERENCE ON ENVIRONMENTAL TOXICOLOGY AND HEALTH, res.country(177,)</i> <b>Citations:</b> N/A <b>DOI:</b> N/A	2019
<b>Monitoring water quality of rawal dam using physico-chemical and microbiological parameters</b> <i>Hamza Bin Riaz Imran Hashmi</i> <i>THIRD CONFERENCE ON CHALLENGES AND POSSIBILITIES FOR ENVIRONMENTAL SUSTAINABILITY WITH A FOCUS ON PAKISTAN, res.country(177,)</i> <b>Citations:</b> N/A <b>DOI:</b> N/A	2019

<b>Anthropogenic Effects and Toxicity Potential of Environmental Contaminants in Rawal Lake</b>	2018
<i>imran hashmi</i> <i>5th International Conference on Energy Environment and Sustainable Development (EESD2018)</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> N/A	
<b>Microplastic pollution in Rawal lake: A preliminary study</b>	2018
<i>IMRAN HASHMI</i> <i>National Conference on World Environment Day 2018 - Beating Plastic Pollution</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> <a href="https://public.wmo.int/en/media/news/world-environment-day-beat-plastic-pollution">https://public.wmo.int/en/media/news/world-environment-day-beat-plastic-pollution</a>	
<b>Monitoring microbial regrowth and inactivation potential of chlorine in a lab-scale water distribution network</b>	2018
<i>Amrah Qureshi Imran Hashmi Romana Khan</i> <i>World Water Day 2018- Nature for Water, Pakistan Engineering Congress</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> <a href="https://pecongress.org.pk/images/upload/books/WWD-2018.pdf">https://pecongress.org.pk/images/upload/books/WWD-2018.pdf</a>	
<b>Allocation of Carbon &amp; Eucalyptus Species</b>	2018
<i>Saira Kanwal Sofia Baig Imran Hashmi</i> <i>7th International and 16th National Conference on "Plant Resources: Current Trends, Challenges and Solutions"</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> <a href="https://www.botany.one/2018/01/7th-international-16th-national-conference-plant-resources-current-trends-challenges-solutions/">https://www.botany.one/2018/01/7th-international-16th-national-conference-plant-resources-current-trends-challenges-solutions/</a>	
<b>REUSE OF WASTEWATER IN AGRICULTURE RECOVERED FROM WASTEWATER TREATMENT SYSTEMS</b>	2017
<i>IMRAN HASHMI</i> <i>4th International Conference and Industrial Exhibition on Dairy Science Park</i> , res.country(224,) <b>Citations:</b> N/A <b>DOI:</b> not available	
<b>INVESTIGATING DISINFECTION BY-PRODUCTS FORMATION POTENTIAL OF CHLORINE AND CHLORAMINE IN DRINKING WATER</b>	2017
<i>IMRAN HASHMI</i> <i>4th International Conference and Industrial Exhibition on Dairy Science Park</i> , res.country(224,) <b>Citations:</b> N/A <b>DOI:</b> not available	
<b>Growth Response in Two Main Tree Species of Islamabad Under Drought Stress and Nitrogen Supply</b>	2017
<i>Saira Kanwal Sofia Baig Imran Hashmi Muhammad Arshad</i> <i>International Conference on Bio-approaches for Environment and Sustainability - ICBES-2017</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> N/A	
<b>Combine Effect of Physical and Biological based Antifouling Strategies in Lab Scale Membrane Bioreactor Treating Synthetic Wastewater</b>	2016
<i>Hira Waheed Imran Hashmi</i> <i>92nd International Conference on Science and Technology and Management</i> , res.country(121,) <b>Citations:</b> N/A <b>DOI:</b> -	
<b>Riboflavin Mediated Degradation of Chlorpyrifos by Alcaligens sp. Strain T11</b>	2016
<i>Saira Khalid Imran Hashmi</i> <i>5th International Conference on Biological, Chemical and Environmental Sciences (BCES-2016)</i> , res.country(231,) <b>Citations:</b> N/A <b>DOI:</b> 10.15242/IICBE.C0316014	
<b>PERFORMANCE EVALUATION OF PHYTOREMEDIATION PLANT INSTALLED AT NUST</b>	2015
<i>Maham Ayesha Abeerha Shahid Owais Mohidin Imran Hashmi</i> <i>ESDev 2015</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> <a href="http://hozir.org/environment-chief-editor-iftikhar-a-raja-comsats-institute-of.html?page=3">http://hozir.org/environment-chief-editor-iftikhar-a-raja-comsats-institute-of.html?page=3</a>	
<b>Microbial Characterization of Drinking Water Biofilms Using Different Pipe Materials</b>	2015

<p>Maryam Zafar Imran Hashmi</p> <p>6th International Conference on Environmentally Sustainable Development, res.country(177,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> -</p>	
<p><b>Trends in levels of disinfection by-products in drinking waters of twin cities</b></p> <p>Sidra Abbas Imran Hashmi Sajida Rashid Romana Khan</p> <p>WATER AND SUSTAINABLE DEVELOPMENT World Water Day, Pakistan Engineering Congress, res.country(177,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> <a href="https://www.researchgate.net/publication/275582003_Trends_in_levels_of_disinfection_by-products_in_drinking_waters_of_twin_cities">https://www.researchgate.net/publication/275582003_Trends_in_levels_of_disinfection_by-products_in_drinking_waters_of_twin_cities</a></p>	2015
<p><b>Photocatalytic Degradation of 2, 4-D and Transition of Endocrine Disruptive Activity Using Transcriptome Based Bioassay in Zebrafish Embryos</b></p> <p>Asma Saeed Imran Hashmi H. R. Habibiis L. Yu G. Achari</p> <p>5th International Conference on Environmental Engineering and Applications held from 04-05 Jul 2014 in UK, res.country(231,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.7763/IJESD.2015.V6.574</p>	2014
<p><b>Acetanilide herbicide degradation using indigenous soil microorganism</b></p> <p>Muhammad Arshad Imran Hashmi S. Farooq Ishtiaq Ahmed Qazi</p> <p>7th International Conference on the Impact of Environmental Factors on Health, res.country(99,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.2495/SAFE130611</p>	2013
<p><b>Development of PCR Protocol for Detection of Escherichia Coli in Drinking Water</b></p> <p>Muhammad Arshad Imran Hashmi Ishtiaq Ahmed Qazi Jawairia Imtiaz Ahmad</p> <p>11th International Conference on Modelling, Monitoring and Management of Water Pollution, res.country(231,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.2495/WRM130201</p>	2012
<p><b>Monitoring of Emerging Drinking Water Disinfection By-Products for Microbial Inactivation</b></p> <p>Sidra Abbas Imran Hashmi Ishtiaq Ahmed Qazi Muhammad Ali Awan Habib Nasir</p> <p>1st International Conference on the Design, Construction, Maintenance, Monitoring and Control of Urban Water Systems, res.country(231,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.2495/UW120101</p>	2012
<p><b>Genotoxic impact of airborne pollutants on leucocytes</b></p> <p>Muhammad Arshad Imran Hashmi</p> <p>International Conference of Toxicology, UVAS held from 26-27 Jan 2012 in Lahore, Pakistan, res.country(177,)</p> <p><b>Citations:</b> N/A</p>	2012
<p><b>Drinking water quality monitoring within a distribution network:F8 and E-7 sectors of Islamabad</b></p> <p>Sara Qaiser Syeda Asma M. Talal Ali Khan Imran Hashmi</p> <p>The 71st Annual Session - Pakistan Engineering Congress, res.country(177,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> -</p>	2011
<p><b>ASSESSING MICROBIOLOGICAL SAFETY OF DRINKING WATER: A CASE STUDY OF ISLAMABAD, PAKISTAN</b></p> <p>Dr. Imran Hashmi Sara Qaiser Syeda Asma M. Talal Ali Khan Sidra Abbas</p> <p>Pakistan Engineering Congress (PEC), on the theme entitled, Water for Cities - Urban Challenges, res.country(177,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> <a href="https://pecongress.org.pk/images/upload/books/Assessing%20Microbiological%20Safety%20on%20Drinking%20Water%20A%20Case%20St.pdf">https://pecongress.org.pk/images/upload/books/Assessing%20Microbiological%20Safety%20on%20Drinking%20Water%20A%20Case%20St.pdf</a></p>	2011
<p><b>Assessing Microbial Safety of Drinking Water: A Case Study of Islamabad, Pakistan</b></p> <p>Dr. Imran Hashmi Sara Qaisar Syeda Asma M. Talal Ali Khan Sidra Abbas</p> <p>Pakistan Engineering Congress on the eve of world water day, res.country(177,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> N/A</p>	2011
<p><b>Prevalence of Escherichia coli within public drinking water supply in I-8 Sector, Islamabad, Pakistan</b></p> <p>Sajida Rasheed Imran Hashmi Sara Qaiser</p> <p>Pakistan Engineering Congress (PEC) on World Water Day entitled, Communicating Water Quality Challenges and Opportunities res.country(177,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> N/A</p>	2010



<b>Determination of Volatile Organic Compounds (VOCs) in Potable Water by Solid-Phase Microextraction (SPME) Gas Chromatography</b> <i>Muhammad Ali Awan Habib Nasir Hira Amjad Sajeela Gaffar Imran Hashmi</i> <i>Environmental Science and Technology Conference</i> , res.country(157,) <b>Citations:</b> N/A <b>DOI:</b> DOI 10.1007/s13369-012-0248-8	2009
<b>Quality Assessment of Bottled Mineral Water in Islamabad</b> <i>Huma Qureshi Imran Hashmi Shaukat Farooq</i> <i>3rd International Conference on Environmentally Sustainable Development</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> N/A	2009
<b>Incidence of fecal contamination within a public drinking water supply in Ratta Amral, Rawalpindi</b> <i>Imran Hashmi</i> <i>2nd Conference on Challenges in Environmental Science and Engineering held from 14-17 Jul 2009 in Townsville, Australia</i> , res.country(13,) <b>Citations:</b> N/A	2009
<b>Drinking Water Quality between Source and Point-of-use in Satellite Town, Rawalpindi</b> <i>Shaukat Farooq Imran Hashmi</i> <i>Pakistan Engineering Congress Celebration of World Environment Day held on 06 Jun 2009 in Pakistan</i> , res.country(177,) <b>Citations:</b> N/A	2009
<b>Journalism for sustainable development : Tools and Techniques : Roles and Responsibilities</b> <i>Imran Hashmi</i> <i>Workshop on Health and Environment</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> -	2005
<b>A quantitative study of pollution profile of Karachi Coast</b> <i>Moazzam Ali Khan SS Shaukat Dr. Imran Hashmi M Altaf Khan</i> <i>Proceeding Seventh Statistics, Seminar, KU</i> , res.country(282,) <b>Citations:</b> N/A <b>DOI:</b> -	1999

## Book Chapters

<b>Selection of strains and breeding of algae</b> <i>Mehwish Khalid Imran Hashmi</i> In: <i>Handbook of Research on Algae as a Sustainable Solution for Food, Energy, and the Environment</i> , Chapter 3, Pages 58-83 <b>Citations:</b> N/A <b>DOI:</b> 10.4018/978-1-6684-2438-4.ch003	2022
<b>Quorum Sensing and Quorum Quenching Based Antifouling Mechanism: A Paradigm Shift for Biofouling Mitigation in a Membrane Bioreactor (MBR)</b> <i>Sher Jamal Khan Shabila Perveen Imran Hashmi</i> In: <i>Book on Trends in Quorum Sensing and Quorum Quenching</i> , 1st Edition, Chapter 26, Pages 343-361 <b>Citations:</b> N/A <b>DOI:</b> -	2020

## Editorial Activities

<b>Environmental Monitoring and Assessment</b> Reviewed Papers for Journals <b>Impact Factor:</b> 0.3	2025
<b>Frontiers in Marine Science</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3	2025
<b>International Journal of Analytical Chemistry</b> Reviewed Papers for Journals <b>Impact Factor:</b> 1.5	2025
<b>Next research</b>	2025

Reviewed Papers for Journals <b>Impact Factor:</b> N/A	
<b>Heliyon</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.4	2025
<b>Journal of Environmental Chemical Engineering</b> Reviewed Papers for Journals <b>Impact Factor:</b> 7.4	2025
<b>Journal of Hazardous Materials</b> Reviewed Papers for Journals <b>Impact Factor:</b> 12.20	2025
<b>Journal of Hazardous Materials</b> Reviewed Papers for Journals <b>Impact Factor:</b> 12.20	2025
<b>Water Research</b> Reviewed Papers for Journals <b>Impact Factor:</b> 11.50	2024
<b>Applied and Environmental Microbiology</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.9	2024
<b>Journal of Hazardous Materials</b> Reviewed Papers for Journals <b>Impact Factor:</b> 12.20	2024
<b>Heliyon</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.4	2024
<b>Water Environment Research</b> Reviewed Papers for Journals <b>Impact Factor:</b> 2.98	2024
<b>Environmental Research</b> Reviewed Papers for Journals <b>Impact Factor:</b> 8.431	2024
<b>Science of the Total Environment</b> Reviewed Papers for Journals <b>Impact Factor:</b> 10.753	2024
<b>Heliyon</b> Reviewed Papers for Journals <b>Impact Factor:</b> 4.0	2024
<b>Chemosphere</b> Reviewed Papers for Journals <b>Impact Factor:</b> 7.086	2024
<b>Chemosphere</b> Reviewed Papers for Journals <b>Impact Factor:</b> 7.086	2024
<b>Chemosphere</b> Reviewed Papers for Journals <b>Impact Factor:</b> 8.1	2024
<b>Bioresource Technology</b> Reviewed Papers for Journals <b>Impact Factor:</b> 11.88	2024
<b>International Journal of Environmental Science and Technology</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.0	2024

<b>Journal of Membrane Science</b> Reviewed Papers for Journals <b>Impact Factor: 9.5</b>	2024
<b>Journal of Cleaner Production</b> Reviewed Papers for Journals <b>Impact Factor: 11.072</b>	2024
<b>Chemosphere</b> Reviewed Papers for Journals <b>Impact Factor: 7.086</b>	2024
<b>Journal of Water Process Engineering</b> Reviewed Papers for Journals <b>Impact Factor: 7.0</b>	2024
<b>Process Engineering</b> Reviewed Papers for Journals <b>Impact Factor: 7</b>	2024
<b>Science of the Total Environment</b> Reviewed Papers for Journals <b>Impact Factor: 9.8</b>	2023
<b>Environmental Pollution</b> Reviewed Papers for Journals <b>Impact Factor: 8.9</b>	2023
<b>Water Research</b> Reviewed Papers for Journals <b>Impact Factor: 13.400</b>	2023
<b>Soil &amp; Sediment Contamination</b> Reviewed Papers for Journals <b>Impact Factor: 0.042</b>	2023
<b>Environmental Monitoring and Assessment</b> Reviewed Papers for Journals <b>Impact Factor: 3.307</b>	2023
<b>Science of the Total Environment</b> Reviewed Papers for Journals <b>Impact Factor: 10.753</b>	2023
<b>Comparative Biochemistry ND Physiology C-Toxicology &amp; Pharmacology</b> Reviewed Papers for Journals <b>Impact Factor: 4.520</b>	2022
<b>Frontiers in Marine Science</b> Reviewed Papers for Journals <b>Impact Factor: 5.247</b>	2022
<b>International Journal of Environmental Science and Technology</b> Reviewed Papers for Journals <b>Impact Factor: 3.519</b>	2022
<b>International Journal of Environmental Science and Technology</b> Reviewed Papers for Journals <b>Impact Factor: 2.86</b>	2022
<b>Journal of Membrane Science</b> Reviewed Papers for Journals <b>Impact Factor: 10.530</b>	2022
<b>Journal of Membrane Science</b> Reviewed Papers for Journals <b>Impact Factor: 10.530</b>	2022
<b>International Journal of Environmental Science and Technology</b> Reviewed Papers for Journals	2022

<b>Impact Factor:</b> 3.519	
<b>Urban Water Journal</b>	2022
Reviewed Papers for Journals	
<b>Impact Factor:</b> 2.675	
<b>Journal of Environmental Engineering</b>	2022
Reviewed Papers for Journals	
<b>Impact Factor:</b> 2.479	
<b>Science of The Total Environment</b>	2022
Reviewed Papers for Journals	
<b>Impact Factor:</b> 10.75	
<b>Chemosphere</b>	2022
Reviewed Papers for Journals	
<b>Impact Factor:</b> 8.943	
<b>Journal of Environmental Management</b>	2022
Reviewed Papers for Journals	
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Reviewed Papers for Journals <b>Impact Factor:</b> 2.528	2020
Reviewed Papers for Journals <b>Impact Factor:</b> 5.778	2019
Reviewed Papers for Journals <b>Impact Factor:</b> 2.54	2019
Reviewed Papers for Journals <b>Impact Factor:</b> 2.031	2019

Reviewed Papers for Journals	2019
Reviewed Papers for Journals <b>Impact Factor: 5.108</b>	2019
Reviewed Papers for Journals <b>Impact Factor: 7.913</b>	2019
Reviewed Papers for Journals <b>Impact Factor: 2.567</b>	2019
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Reviewed Papers for Journals <b>Impact Factor: 6.578</b>	2018
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