Muhammad Faheem Khokhar

Professor

Institute of Environmental Sciences & Engineering

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About

Dr. Muhammad Faheem Khokhar is working as Professor in the Institute of Environmental Sciences & Engineering. Dr. Muhammad Faheem Khokhar has a PhD in Atmospheric Sciences And Climate Change. Dr. Muhammad Faheem Khokhar has published 96 research articles & conference papers having a citation count of 1745, carried out 20 projects and filed 3 intellectual property.

Qualifications

PhD in Atmospheric Sciences And Climate Change 2002 - 2006
Universität Leipzig , Germany

MSc in Space Sciences 1994 - 1996
University of the Punjab , Pakistan

BSc in Phy, Math 1992 - 1994
University of the Punjab , Pakistan

Experience

Professor 2021- Present
Institute of Environmental Sciences & Engineering

Professor 2019 - 2021
Institute of Environmental Sciences & Engineering

Professor 2017 - 2019
Institute of Environmental Sciences & Engineering

Professor 2017 - 2017
Institute of Environmental Sciences & Engineering

Associate Professor 2015 - 2017
Institute of Environmental Sciences & Engineering

Assistant Professor 2012 - 2015
Institute of Environmental Sciences & Engineering

PD Researcher 2008 - 2011
Laboratoire Atmosphères, Milieux, Observations Spatiales (LATMOS), , Université Pierre et Marie Curie Paris VI, France

PD Researcher 2006 - 2008
Institute for Environmental Physics , INF-229, 69120 Heidelberg

Scientific researcher 2002 - 2006
Institute for Environmental Physics , INF-229, 69120, Heidelberg

Awards

Innovative Ideas 2018 2018
ranked first in Inter-Universities Competition for Innovative Ideas 2018 held by UNDP and CESTAC- FJWU Rawalipindi

Internl Mountain Day 2017 2017
Ranked No: 1, as Best skit competition to address Climate Change, impacts and Mountainous Ecosystem.

Research Projects

National Projects

Setting up AERONET station at NUST as part of research collaboration with NASA 2024

Funding Agency: NASA
Amount: PKR 14,681,000.00
Status: Approved_inprocess

Climate Change Mitigation for Food Security – Fostering Climate Smart Agriculture through Nature-based Approaches 2023

Funding Agency: NUST
Amount: PKR 13,200,000.00
Status: Approved_inprocess

Indigenous CO2 Bin and CO2 Arrestor to reduce GHG emissions from building and the transport Sectors 2023

Funding Agency: NUST
Amount: PKR 17,000,000.00
Status: Approved_inprocess

Deployment of CO2-Bin at strategic location of NUST H-12 campus to off-set CO2 emissions 2023

Funding Agency: NUST
Amount: PKR 1,990,000.00
Status: Approved_inprocess

Catalytic converter Euro 3/4 Class ()Automobile Emission Control Technology) 2022

Funding Agency: NCPC
Amount: PKR 200,000.00
Status: Approved_inprocess

Air Quality Assessment based on Industry 4.0 2022

Funding Agency: NUST
Amount: PKR 1,000,000.00
Status: Completed

NASA Pandora Project - Research Collaboration with NASA to be part of PGN 2022

Funding Agency: NASA
Amount: PKR 747,248.00
Status: Approved_inprocess

A mobility program between with INP-University of Toulouse, France and NUST 2021

Funding Agency: Erasmus
Amount: PKR 3,972,183.00
Status: Approved_inprocess

Impacts of the COVID-19 pandemic on air quality of the Monsoon Asia region: Cross-country assessment and facilitating policy 2021

Funding Agency: Asia-Pacific Network for Global Change Research (APN), Japan
Amount: PKR 15,750,000.00
Status: Approved_inprocess

Building Capacity to Improve Air Quality in South Asia: Reducing PM2.5 Through Low-Cost Sensor Network Driven Policy Decisions 2021

Funding Agency: Department of States (DOS), USA
Amount: PKR 12,285,390.00
Status: Approved_inprocess

STATUS OF ODS PHASE-OUT PROGRAM IN PAKISTAN 2020

Funding Agency: National Ozone Unit Ministry of Climate Change
Amount: PKR 401,926.00
Status: Approved_inprocess

Source apportionment of ambient particulate matter in central Pakistan 2019

Funding Agency: HEC
Amount: PKR 11,085,000.00
Status: Completed

Internet of Things (IoT) enabled surface water pollution detection for predictive healthcare 2019

Funding Agency: DAAD
Amount: PKR 13,388,860.00
Status: Completed

Exploring the Spatial Extent, Causes, Composition and Intensity of Winter Smog over Plains of Punjab 2018

Funding Agency: HEC
Amount: PKR 9,551,000.00
Status: Completed

International Projects

Persistent winter fog monitoring across the borders of South Asian countries- Pakistan Chapter 2015

Funding Agency: International Centre for Integrated Mountain Development
Amount: PKR 2,260,000.00
Status: Completed

persistent winter fog monitoring across the borders of South Asian countries- multi country study 2015

Funding Agency: International Centre for Integrated Mountain Development
Amount: PKR 1,000,000.00
Status: Completed

Industry Projects

National Projects

Decarbonization of Cement Sector in Pakistan

Client: POLICY RESEARCH INSTITUTE FOR EQUITABLE DEVELOPMENT (PRIED) (Pvt.) Ltd.Paksitan
Amount: PKR 3,600,000.00
Status: Completed

Consultant to conduct a climate change impact study for AlUla's protected areas network at the landscape level. 2023

Client: IUCN
Amount: PKR 7,310,544.00
Status: Completed

Role of Refrigeration Service Sector in Eradication Efforts of ODS in Pakistan 2021

Client: NOU-MoCC Govt of Pakistan
Amount: PKR 0.68
Status: Approved_inprocess

ADDRESSING CARBON EMISSIONS BY CONTRIBUTING TOWARDS CLIMATE CHANGE MITIGATION 2020

Client: MoCC and UNDP_Isb
Amount: PKR 2,800,000.00
Status: Approved_inprocess

International Projects

Research Articles

Identification of the blue-sky conditions in Punjab, Pakistan by exploiting satellite and ground-based observations, and policy implications 2025

Hira Saif Talha Saeed Musawar Hussain Afnan Ullah Muhammad Faheem Khokhar
International Journal of Remote Sensing, Pages 1-21
Impact Factor: 2.600 | **Quartile:** 3
DOI: https://doi.org/10.1080/01431161.2025.2514821

Geo-spatial distribution of air pollutants in urban area and its potential health risk analysis solutions 2025

Fajar Waheed Nusrat Ehsan Rabiya Nasir Waqas Ahmed Khan Muhammad Faheem Khokhar Laila Shahzad Aqil Tariq Hira Afzal Qamar uz Zaman
Urban Climate , Volume 61, Article Number 102380
Impact Factor: 6.000 | **Quartile:** 1 | **Citations:** 15
DOI: https://doi.org/10.1016/j.uclim.2025.102380

A paradigm shift: Low-cost sensors for effective air quality monitoring and management in developing countries 2025

Muneeba Shabbir Talha Saeed Ahmad Saleem Parkash Bhave Mike Bergin Muhammad Faheem Khokhar
Environment International, Volume: 200, Article Number: 109521, Pages:12
Impact Factor: 10.3 | **Quartile:** 1
DOI: https://doi.org/10.1016/j.envint.2025.109521

Flood risk assessment of Attabad lake: adopting a scenario-based approach for disaster preparedness 2025

Muhammad Qamar Javed Pirzada Junaid Aziz Khan Muhammad Faheem Khokhar

Environmental Earth Sciences , Volume:84, Issue:9, Article Number 229

Impact Factor: 2.800 | **Quartile:** 2

DOI: https://doi.org/10.1007/s12665-025-12237-w

Estimating Aboveground Biomass and Carbon Sequestration in Afforestation Areas Using Optical/SAR Data Fusion and Machine Learning 2025

Kashif Khan Shahid Nawaz Khan Anwar Ali Muhammad Faheem Khokhar Junaid Aziz Khan

Remote Sensing , Volume 17(5), Article Number 934

Impact Factor: 4.200 | **Quartile:** 1 | **Citations:** 4

DOI: https://doi.org/10.3390/rs17050934

Tracking Microplastics in the Air: Cutting-edge Methods for Indoor and Outdoor Environments 2024

Khadija Sharaf Din Muhammad Faheem Khokhar Hira Amjad

Aerosol and Air Quality Research , Volume: 24, Issue: 12, Pages:12

Impact Factor: 2.5 | **Quartile:** 3

DOI: https://doi.org/10.4209/aaqr.240073

Estimating afforestation related forest cover change using data fusion and machine learning 2024

Kashif Khan Muhammad Faheem Khokhar Javed Iqbal Junaid Aziz Khan Shahid Nawaz Khan

Environmental Research Communications , Volume 6, Number 11, Article Number 115004

Impact Factor: 2.500 | **Quartile:** 3 | **Citations:** 2

DOI: https://doi.org/10.1088/2515-7620/ad88e0

Scenario-based HEC-RAS 2D unsteady flow analysis of Shisper Lake for GLOF risk assessment 2024

Junaid Aziz Khan Muhammad Qamar Javed Pirzada Muhammad Faheem Khokhar

Natural Hazards , Pages 1-21

Impact Factor: 3.300 | **Quartile:** 1

DOI: https://doi.org/10.1007/s11069-024-06989-0

Exploring the dynamics and future projections of land use land cover changes by exploiting geospatial techniques; A case study of the Kabul River Basin 2024

Muhammad Faheem Khokhar SHAKIL AHMAD Muhammad Uzair Mohammad Ajmal Stanikzai Junaid Aziz Khan 00000240652-Kamran . 00000360096-Rahmatullah .

Heliyon , Volume: 10, Issue: 20, Article Number: e39020

Impact Factor: 3.4 | **Quartile:** 1 | **Citations:** 2

DOI: https://doi.org/10.1016/j.heliyon.2024.e39020

Assessing the impact of socio-demographic factors on municipal water security in planned and unplanned urban centers of Pakistan 2024

Kamran Umer Khayyam Fasiha Safdar Rahmatullah Wahdatyar Abdul Waheed Muhammad Fahim Khokhar

Aqua Water Infrastructure, Ecosystems and Society , Volume:73, Issue:9

Impact Factor: 2.1 | **Quartile:** 2 | **Citations:** 1

DOI: https://doi.org/10.2166/aqua.2024.118

Drivers of municipal water security and vulnerability in Pakistan: A case study of Mardan, Khyber Pakhtunkhwa 2024

Kamran Junaid Aziz Khan Fasiha Safdar Umer Khayyam Iftikhar Hussain Adil Abdul Waheed Muhammad Fahim Khokhar

Groundwater for Sustainable Development , Volume: 26, Article Number: 101229

Impact Factor: 4.9 | **Quartile:** 1 | **Citations:** 2

DOI: https://doi.org/10.1016/j.gsd.2024.101239

Characterization and source identification of PM2.5 during intense haze episodes in an urban environment of Lahore 2024

Saima Mohyuddin Khan Alam Muhammad Fahim Khokhar Kaleem Anwar Mir Bahadar Zeb Anthony S. Wexler Ehtiram ul Haq Muhammad Ikram Imran Shahid

Atmospheric Environment: X , Volume 23, Article Number 100276

Impact Factor: 3.800 | **Quartile:** 2 | **Citations:** 3

DOI: https://doi.org/10.1016/j.aeaoa.2024.100276

In-depth characterization of particulate matter in a highly polluted urban environment at the foothills of Himalaya–Karakorum Region 2024

Alam Khan Bahader Zaib Muhammad Fahim Khokhar Peng Wang Zhongwei Huang Fatma Öztürk Lyudmila Mihaylova Said Munir

Environmental Science and Pollution Research , Volume: 31, Pages: 35705-35726,

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

DOI: 10.1007/s11356-024-33487-4

Toxicological profile and potential health concerns through metals and trace elements exposure in brick kiln workers from Lahore, Pakistan 2024

Talha Saeed Naeem Akhtar Abbasi Muhammad Talha Zahid Noor Fatima Kaleem Ullah Muhammad Faheem Khokhar

Environmental Geochemistry and Health , Volume:46, Issue:5, Article Number:150

Impact Factor: 4.2 | **Quartile:** 2 | **Citations:** 1

DOI: 10.1007/s10653-024-01937-0

Analyzing land use land cover (LULC) changes induced by the run-of river project and respondent survey: a case of Ghazi Barotha Hydropower Project on Indus River, Pakistan 2024

Ehsan Inam Ullah Shakil Ahmad Muhammad Faheem Khokhar Umer Khayyam Muhammad Azmat Muhammad Arshad Faizan ur Rehman Qaiser

Environmental Research Communications , Volume 6, Issue 3, Article Number 035002

Impact Factor: 2.500 | **Quartile:** 3 | **Citations:** 1

DOI: 10.1088/2515-7620/ad2bb5

Exploration of microplastic concentration in indoor and outdoor air samples: Morphological, polymeric, and elemental analysis 2024

Khadija Sharaf Din Muhammad Faheem Khokhar Shahid Ikramullah Buttt Abdul Qadir Farhan Younas

Science of the Total Environment , Volume 908, Article Number 168398

Impact Factor: 9.8 | **Quartile:** 1 | **Citations:** 40

DOI: https://doi.org/10.1016/j.scitotenv.2023.168398

Solving the mysteries of Lahore smog: the fifth season in the country 2024

Rabia Majeed Muhammad Shehzaib Anjum Muhammad Fahim Khokhar Muhammad Imad-ud-din Suhaib Malik Muhammad Naveed Anwar Bilal Anwar

Frontiers in Sustainable Cities , Volume 5, Article Number 1314426

Impact Factor: 2.400 | **Quartile:** 2 | **Citations:** 11

DOI: https://doi.org/10.3389/frsc.2023.1314426

Monitoring of Ambient Air Quality Patterns and Assessment of Air Pollutants' Correlation and Effects on Ambient Air Quality of Lahore, Pakistan 2023

Waqas Ahmed Khan Faiza Sharif Muhammad Faheem Khokhar Laila Shehzad Nusrat Ehsan Muhammad Jahanzaib

Atmosphere , Volume 14(8), Article Number 1257

Impact Factor: 2.9 | **Quartile:** 3 | **Citations:** 13

DOI: https://doi.org/10.3390/atmos14081257

Antibiotics induced changes in nitrogen metabolism and antioxidative enzymes in mung bean (Vigna radiata) 2023

Marium Fiaz Iftikhar Ahmed Sumara Masood Ul Hassan Adnan Khan Niazi Muhammad Faheem Khokhar Zeshan Muhammad Ansar Farooq Muhammad Arshad

Science of the Total Environment , Volume 873, Article Number 162449

Impact Factor: 10.753 | **Quartile:** 1 | **Citations:** 16

DOI: http://dx.doi.org/10.1016/j.scitotenv.2023.162449

Recurring South Asian smog episodes: Call for regional cooperation and improved monitoring 2023

Muhammad Fahim Khokhar M. Shehzaib Anjum Abdus Salam Vinayak Sinha Manish Naja Kirpa Ram Hiroshi Tanimoto James H Crawford M. Iqbal Mead

Atmospheric Environment , Volume 295, Article Number 119534

Impact Factor: 5.755 | **Quartile:** 1 | **Citations:** 8

DOI: 10.1016/j.atmosenv.2022.119534

Exploring the nexus between land use land cover (LULC) changes and population growth in a planned city of islamabad and unplanned city of Rawalpindi, Pakistan 2023

Kamran Junaid Aziz Khan Umer Khayyam Abdul Waheed Muhammad Fahim Khokhar

Heliyon , Volume 9, Issue 2, Article Number e13297

Impact Factor: 3.776 | **Quartile:** 2 | **Citations:** 25

DOI: https://doi.org/10.1016/j.heliyon.2023.e13297

Quantitative Assessment of Deforestation and Forest Degradation in Margalla Hills National Park (MHNP): Employing Landsat Data and Socio-Economic Survey 2023

Muhammad Faheem Khokhar Hiba Ahmad Hamayoon Jallat Ejaz Hussain Najam-u-Saqib Zafeer Saqib Waseem Razzaq Khan

Forests , Volume 14, Issue 2, Article Number 201

Impact Factor: 3.282 | **Quartile:** 1 | **Citations:** 6

DOI: https://doi.org/10.3390/f14020201

Hydrological and ecological impacts of run off river scheme; a case study of Ghazi Barotha hydropower project on Indus River, Pakistan 2023

Ehsan Inam Ullah Shakil Ahmad Muhammad Fahim Khokhar Muhammad Azmat Umer Khayyam Faizan ur Rehman Qaiser

Heliyon , Volume 9, Issue 1, Article Number e12659

Impact Factor: 3.776 | **Quartile:** 2 | **Citations:** 7

DOI: https://doi.org/10.1016/j.heliyon.2022.e12659

Observed and predicted precipitation variability across Pakistan with special focus on winter and pre-monsoon precipitation 2022

Fasiha Safdar Muhammad Fahim Khokhar Fatimah Mehmood Muhammad Zeeshan Ali Khan Muhammad Arshad

Environmental Science and Pollution Research, Pages 1-21

Impact Factor: 5.8 | **Quartile:** 1 | **Citations:** 16

DOI: https://doi.org/10.1007/s11356-022-22502-1

Retrieval of NO2 Columns by Exploiting MAX-DOAS Observations and Comparison with OMI and TROPOMI Data during the Time Period of 2015– 2019 2022

Ahmad Iqbal Naveed Ahmad Hassan Mohy ud Din Michel Van Roozendael Muhammad Shehzaib Anjum Muhammad Zeeshan Ali Khan Muhammad Fahim Khokhar

Aerosol and Air Quality Research, Volume 22, Issue 6, Article Number 210398

Impact Factor: 4.530 | **Quartile:** 2 | **Citations:** 14

DOI: https://doi.org/10.4209/aaqr.210398

Emerging Challenges of Air Pollution and Particulate Matter in China, India, and Pakistan and Mitigating Solutions 2021

Muhammad Naveed Anwar Muneeba Shabbir Mahnoor Iftikhar Hira Saif Ajwa Tahir Malik Ashir Murtaza Muhammad Fahim Khokhar Mohammad Rehan Mortaza Aghbashlo Meisam Tabatabaei Abdul-Sattar Nizami Eza Tahir

Journal of Hazardous Materials , Volume 416, Article Number 125851

Impact Factor: 14.224 | **Quartile:** 1 | **Citations:** 143

DOI: 10.1016/j.jhazmat.2021.125851

Spatial trends of maximum and minimum temperatures in different climate zones of Pakistan by exploiting ground-based and space-borne observations 2021

Fasiha Safdar Muhammad Fahim Khokhar Muhammad Immad ud Din Ghazanfar Farooq Siddiqui Waleed Khattak

International Journal of Global Warming , Volume 24, Nos. 3/4, Pages 365-382

Impact Factor: 1.086 | **Quartile:** 4 | **Citations:** 4

DOI: 10.1504/IJGW.2021.116715

A computationally efficient symmetric diagonally dominant matrix projection-based Gaussian process approach 2021

Said Munir Rohit Chakraborty Jikai Wang Peng Wang Lyudmila Mihaylova Martin Mayfield Khan Alam Muhammad Fahim Khokhar Daniel Coca

Signal Processing, Volume 183, Article Number 108034

Impact Factor: 4.662 | **Quartile:** 1 | **Citations:** 2

DOI: https://doi.org/10.1016/j.sigpro.2021.108034

Inventory and GLOF susceptibility of glacial lakes in Hunza River Basin, Western Karakorum 2021

Siddique Ullah Baig Fakhra Muneeb Muhammad Fahim Khokhar Junaid Aziz Khan

Remote Sensing, Volume 13(9), Article Number 1794

Impact Factor: 4.848 | **Quartile:** 1 | **Citations:** 21

DOI: https://doi.org/10.3390/rs13091794

A comprehensive study on upgradation of pyrolysis products through co-feeding of waste tire into rice straw under broad range of co-feed ratios in a bench-scale fixed bed reactor 2021

Shoaib Raza Khan Muhammad Faheem Khokhar Zeshan Muhammad Zeeshan Iftikhar Ahmad

Biomass Conversion and Biorefinery , Pages 1-15

Impact Factor: 4.987 | **Quartile:** 1 | **Citations:** 18

DOI: doi.org/10.1007/s13399-021-01434-9

Exploring the linkage between PM2.5 levels and COVID-19 spread and its implications for socio-economic circles 2021

Syeda Mahnoor Ali Fatima Malik Muhammad Shehzaib Anjum Ghazanfar Farooq Siddiqui Muhammad Naveed Anwar Su Shiung Lam Abdul-Sattar Nizami Muhammad Fahim Khokhar

Environmental Research , Volume 193, Article Number 110421

Impact Factor: 6.498 | **Quartile:** 1 | **Citations:** 55

DOI: https://doi.org/10.1016/j.envres.2020.110421

An Emerged Challenge of Air Pollution and Ever-Increasing Particulate Matter in Pakistan; A Critical Review 2021

Muhammad Shehzaib Anjum Syeda Mahnoor Ali Muhammad Imad-ud-din Muhammad Ahmed Subhani Muhammad Naveed Anwar Abdul-Sattar Nizami

Umar Ashraf Muhammad Fahim Khokhar

Journal of Hazardous Materials , Volume 402, Article Number 123943

Impact Factor: 10.588 | **Quartile:** 1 | **Citations:** 135

DOI: https://doi.org/10.1016/j.jhazmat.2020.123943

Investigating the tipping point of crop productivity induced by changing climatic variables 2021

Fatima Mahmood Muhammad Fahim Khokhar Zafar Mahmood

Environmental Science and Pollution Research, Volume 28, Pages 2923-2933

Impact Factor: 5.190 | **Quartile:** 2 | **Citations:** 4

DOI: https://doi.org/10.1007/s11356-020-10655-w

Monitoring carbon stock and land-use change in 5000-year-old juniper forest stand of Ziarat, Balochistan, through a synergistic approach 2021

Muhammad Fahim Khokhar Hamayoon Jallat Kamziah Abdul Kudus Mohd Nazre Najam-us-Saqib Usman Tahir Waseem Razzaq Khan

Forests , Volume 12(1), Article Number 51

Impact Factor: 2.633 | **Quartile:** 1 | **Citations:** 24

DOI: https://doi.org/10.3390/f12010051

Atmospheric chemistry research in Monsoon Asia and Oceania: Current status and future prospects 2020

Muhammad Fahim Khokhar Hiroshi Tanimoto Nguyen Thi Kim Oanh Manish Naja Shih-Chun Candice Lung Mohd Talib Latif Liya Yu Abdus Salam Maria Obiminda Cambaliza To Thi Hien Ohnmar May Tin Hlaing Puji Lestari Hiranthi Janz Bhupesh Adhikary Melita Keywood Tao Wang Jim Crawford Mark Lawrence Megan Melamed

APN Science Bulletin , Volume 10, Issue 1, Pages 126-131

Impact Factor: - | **Citations:** 2

DOI: 10.30852/sb.2020.1246

Examining the relationship of tropospheric ozone and climate change on crop productivity using the multivariate panel data techniques 2020

Fatima Mahmood Muhammad Fahim Khokhar Zafar Mahmood

Journal of Environmental Management, Volume 272, Article Number 111024

Impact Factor: 6.789 | **Quartile:** 1 | **Citations:** 23

DOI: https://doi.org/10.1016/j.jenvman.2020.111024

Intercomparison of NO2, O4, O3 and HCHO slant column measurements by MAX-DOAS and zenith-sky UV–visible spectrometers during CINDI-2 2020

Karin Kreher Michel Van Roozendael Francois Hendrick Arnoud Apituley Ermioni Dimitropoulou Udo Frieß Andreas Richter Thomas Wagner Johannes Lampel Muhammad Fahim Khokhar Nader Abuhassan Li Ang Monica Anguas Alkis Bais Nuria Benavent Tim Bösch Kristof Bognar Alexander Borovski Ilya Bruchkouski Alexander Cede Ka Lok Chan Sebastian Donner Theano Drosoglou Caroline Fayt Henning Finkenzeller David Garcia-Nieto Clio Gielen Laura Gómez-Martín Nan Hao Bas Henzing Jay R. Herman Christian Hermans Syedul Hoque Hitoshi Irie Junli Jin Paul Johnston Theodore K. Koenig Jonas Kuhn Vinod Kumar Cheng Liu Jianzhong Ma Alexis Merlaud Abhishek K. Mishra Moritz Müller Monica Navarro-Comas Mareike Ostendorf Andrea Pazmino Enno Peters Gaia Pinardi Manuel Pinharanda Ankie Piters Ulrich Platt Oleg Postylyakov Cristina Prados-Roman Olga Puentedura Richard Querel Alfonso Saiz-Lopez Anja Schönhardt Stefan F. Schreier Andre Seyler Vinayak Sinha Elena Spinei Kimberly Strong Frederik Tack Xin Tian Martin Tiefengraber Jan-Lukas Tirpitz Jeroen van Gent Rainer Volkamer Mihalis Vrekoussis Shanshan Wang Zhuoru Wang Mark Wenig Folkard Wittrock Pinhua H. Xie Jin Xu Margarita Yela Chengxin Zhang Xiaoyi Zhao Junaid Khayyam Butt Nader Abuhassan Li Ang Monica Anguas Alkis Bais Nuria Benavent Tim Bösch Kristof Bognar Alexander Borovski Ilya Bruchkouski Alexander Cede Ka Lok Chan Sebastian Donner Theano Drosoglou Caroline Fayt Henning Finkenzeller David Garcia-Nieto Clio Gielen Laura Gómez-Martín Nan Hao Bas Henzing Jay R. Herman Christian Hermans Syedul Hoque Hitoshi Irie Junli Jin Paul Johnston Theodore K. Koenig Jonas Kuhn Vinod Kumar Cheng Liu Jianzhong Ma Alexis Merlaud Abhishek K. Mishra Moritz Müller Monica Navarro-Comas Mareike Ostendorf Andrea Pazmino Enno Peters Gaia Pinardi Manuel Pinharanda Ankie Piters Ulrich Platt Oleg Postylyakov Cristina Prados-Roman Olga Puentedura Richard Querel Alfonso Saiz-Lopez Anja Schönhardt Stefan F. Schreier Andre Seyler Vinayak Sinha Elena Spinei Kimberly Strong Frederik Tack Xin Tian Martin Tiefengraber Jan-Lukas Tirpitz Jeroen van Gent Rainer Volkamer Mihalis Vrekoussis Shanshan Wang Zhuoru Wang Mark Wenig Folkard Wittrock Pinhua H. Xie Jin Xu Margarita Yela Chengxin Zhang Xiaoyi Zhao Junaid Khayyam Butt

Atmospheric Measurement Techniques , Volume 13, Issue 5, Pages 2169-2208

Impact Factor: 4.176 | **Quartile:** 2 | **Citations:** 76

DOI: https://doi.org/10.5194/amt-13-2169-2020

CO2 Utilization: Turning Greenhouse Gas into Fuels and Valuable Products 2020

Muhammad Fahim Khokhar Muhammad Naveed Anwar A. Fayyaz Nabbia Farrukh Sohail M. Baqar A. Yassar K. Rasool A. Nazir Muhammad Umer Farooq Raja M. Rehan M. Aghbeshlo M. Tabatabaie A.S Nizami

Journal of Environmental Management, Volume 260, Article Number 110059

Impact Factor: 6.789 | **Quartile:** 1 | **Citations:** 155

DOI: https://doi.org/10.1016/j.jenvman.2019.110059

Forecasting CO2 emissions from energy consumption in Pakistan under different scenarios: The China–Pakistan Economic Corridor 2020

Muhammad Fahim Khokhar Aysha Malik Ejaz Hussain Sofia Baig

Greenhouse Gases: Science and Technology, Volume 10, Issue 2, Pages 380-389

Impact Factor: 2.013 | **Quartile:** 4 | **Citations:** 31

DOI: 10.1002/ghg.1968

Investigating the temporal variation of formaldehyde using MAX-DOAS and satellite observations over Islamabad, Pakistan 2020

Asad Ullah Shoaib Muhammad Fahim Khokhar Osama Sandhu

Atmospheric Pollution Research, Volume 11, Issue 1, Pages 193-204

Impact Factor: 4.352 | **Quartile:** 2 | **Citations:** 6

DOI: 10.1016/j.apr.2019.10.008

Climate Change Indicators and Spatiotemporal Shift in Monsoon Patterns in Pakistan 2019

Fasiha Safdar Muhammad Faheem Khokhar Muhammad Arshad Iftikhar Hussain Adil

Advances in Meteorology, Volume 2019, Article ID 8281201, 14 pages

Impact Factor: 1.491 | **Quartile:** 4 | **Citations:** 41

DOI: https://doi.org/10.1155/2019/8281201

Identification of dust transport patterns and sources by using MODIS: a technique developed to discriminate dust and clouds 2019

Zaib-un-Nisa Muhammad Faheem Khokhar Salman Atif

International Journal of Environment and Pollution, Vol.66(1-3), Pages 80-97

Impact Factor: 0.540 | **Quartile:** 4 | **Citations:** 3

DOI: https://doi.org/10.1504/IJEP.2019.104537

Spatiotemporal Evolution of Atmospheric Ammonia Columns over the Indo-Gangetic Plain by Exploiting Satellite Observations 2019

Aimon Tanvir Muhammad Fahim Khokhar Zeeshan Javed Osama Sandhu Tehreem Mustansar Asadullah Shoaib

Advances in Meteorology, Article Number 7525479, Pages 1-11

Impact Factor: 1.491 | **Quartile:** 4 | **Citations:** 8

DOI: 10.1155/2019/7525479

Ground-Based MAX-DOAS Observations of CHOCHO and HCHO in Beijing and Baoding, China 2019

Zeeshan Javed Cheng Liu Muhammad Fahim Khokhar Wei Tan Haoran Liu Chengzhi Xing Xiangguang Ji Aimon Tanvir Qianqian Hong Osama Sandhu Abdul Rehman

Remote Sensing, Volume 11, Issue 13, Article Number 1524

Impact Factor: 4.509 | **Quartile:** 1 | **Citations:** 32

DOI: 10.3390/rs11131524

Investigating the impact of Glyoxal retrieval from MAX-DOAS observations during haze and non-haze conditions in Beijing 2019

Zeeshan Javed Cheng Liu Muhammad Fahim Khokhar Chengzhi Xing Wei Tan Muhammad Ahmed Subhani Abdul Rehman Aimon Tanvir

Journal of Environmental Sciences, Volume: 80, Pages: 296-305

Impact Factor: 4.302 | **Quartile:** 1 | **Citations:** 27

DOI: 10.1016/j.jes.2019.01.008

Extended database of SO2 column densities over Pakistan by exploiting satellite observations 2019

Zunaira Jabeen Muhammad Fahim Khokhar

Atmospheric Pollution Research, Volume 10, Issue 3, Pages 997-1003

Impact Factor: 3.527 | **Quartile:** 2 | **Citations:** 16

DOI: 10.1016/j.apr.2019.01.009

Exposure-Response of Wheat Cultivars to TiO2 Nanoparticles in Contrasted Soils 2019

Zahra Zahra Muhammad Arif Ali Amna Parveen EunBi Kimd Muhammad Fahim Khokhar Sofia Baig Kiran Hina Hyung-Kyoon Choi Muhammad Arshad

Soil and Sediment Contamination, Volume 28, Issue 2, Pages 184-199

Impact Factor: 1.250 | **Quartile:** 4 | **Citations:** 28

DOI: 10.1080/15320383.2018.1561650

Exploring the temporal trends and seasonal behaviour of tropospheric trace gases over Pakistan by exploiting satellite observations 2019

Naila Zeb Muhammad Fahim Khokhar Andrea Pozzer Saud Ahmed Khan

Atmospheric Environment, Volume 198, Pages 279-290

Impact Factor: 4.039 | **Quartile:** 1 | **Citations:** 25

DOI: 10.1016/j.atmosenv.2018.10.053

CO2 capture and storage: A way forward for sustainable environment 2018

M.N. Anwar Abdul Fayyaz N.F. Sohail Muhammad Faheem Khokhar Muhammad Baqar W.D. Khan K. Rasool Muhammad Rehan A.S. Nizami

Journal of Environmental Management, Volume 226, Pages 131-144

Impact Factor: 4.865 | **Quartile:** 1 | **Citations:** 228

DOI: 10.1016/j.jenvman.2018.08.009

Monitoring and analysis of formaldehyde columns over Rawalpindilslamabad, Pakistan using MAX-DOAS and satellite observation 2018

Waqas Ahmed Khan Muhammad Fahim Khokhar Asadullah Shoaib Rab Nawaz

Atmospheric Pollution Research, Volume 9, Issue 5, Pages 840-848

Impact Factor: 2.918 | **Quartile:** 2 | **Citations:** 10

DOI: 10.1016/j.apr.2017.12.008

Multi-sensor temporal assessment of tropospheric nitrogen dioxide column densities over Pakistan 2018

Rabbia Murtaza Muhammad Fahim Khokhar Asma Noreen Salman Atif Khalid Rehman Hakeem

Environmental Science and Pollution Research, Volume 25, Issue 10,

Impact Factor: 2.914 | **Quartile:** 2 | **Citations:** 5

DOI: 10.1007/s11356-017-1176-7

Spatio-temporal assessment and seasonal variation of tropospheric ozone in Pakistan during the last decade 2018

Asma Noreen Muhammad Fahim Khokhar Naila Zeb Naila Yasmin Khalid Rehman Hakeem

Environmental Science and Pollution Research, NULL

Impact Factor: 2.914 | **Quartile:** 2 | **Citations:** 15

DOI: 10.1007/s11356-017-1010-2

Investigating differences in DOAS retrieval codes using MAD-CAT campaign data 2017

Enno Peters Gaia Pinardi André Seyler Andreas Richter Folkard Wittrock Tim Bösch Michel Van Roozendael François Hendrick Theano Drosoglou Alkiviadis F. Bais Yugo Kanaya Xiaoyi Zhao Kimberly Strong Johannes Lampel Rainer Volkamer Theodore Koenig Ivan Ortega Olga Puentedura Mónica Navarro-Comas Laura Gómez Margarita Yela González Ankie Piters Julia Remmers Yang Wang Thomas Wagner Shanshan Wang Alfonso Saiz-Lopez David García-Nieto Carlos A. Cuevas Nuria Benavent Richard Querel Paul Johnston Oleg Postylyakov Alexander Borovski Alexander Elokhov Ilya Bruchkouski Haoran Liu Cheng Liu Qianqian Hong Claudia Rivera Michel Grutter Wolfgang Stremme Muhammad Faheem Khokhar Junaid Khayyam John P. Burrows

Atmospheric Measurement Techniques, Volume 10, Issue 3, Pages 955-978

Impact Factor: 3.248 | **Quartile:** 1 | **Citations:** 19

DOI: 10.5194/amt-10-955-2017

Identification and future description of warming signatures over Pakistan with special emphasis on evolution of CO2 levels and temperature during the first decade of the twenty-first century 2017

Khadija Haider Muhammad Fahim Khokhar Farrukh Chishtie Waseem Razzaq Khan Khalid Rehman Hakeem

Environmental Science And Pollution Research, Volume: 24, Issue: 8, Pages: 7617-7629

Impact Factor: 2.8 | **Quartile:** 2 | **Citations:** 16

DOI: 10.1007/s11356-016-8359-5

Investigating the nitrogen dioxide concentrations in the boundary layer by using multi-axis spectroscopic measurements and comparison with satellite observations 2017

Muhammad Fahim Khokhar Munazza Nisar Asma Noreen Waseem Razzaq Khan Khalid Rehman Hakeem

Environmental Science And Pollution Research, Volume 24, Issue 3, Pages 2827-2839

Impact Factor: 2.8 | **Quartile:** 2 | **Citations:** 14

DOI: 10.1007/s11356-016-7907-3

DYNAMICAL ASSESSMENT OF VEGETATION TRENDS OVER MARGALLA HILLS NATIONAL PARK BY USING MODIS VEGETATION INDICES 2016

Naila Yasmin Muhammad Fahim Khokhar Sundus Tanveer Zafeer Saqib Waseem Razzaq Khan

Pakistan Journal of Agricultural Sciences, Volume 53, Issue 4, Pages 777-786

Impact Factor: 0.609 | **Quartile:** 3 | **Citations:** 5

DOI: 10.21162/PAKJAS/16.3759

Temporal Assessment of NO2 Pollution Levels in Urban Centers of Pakistan by Employing Ground-Based and Satellite Observations 2016

Muhammad Fahim Khokhar Hadiqa Mehdi Zain Abbas Zeeshan Javed

Aerosol and Air Quality Research, Volume 16, Issue 8, Pages 1854-1867

Impact Factor: 2.606 | **Quartile:** 2 | **Citations:** 32

DOI: 10.4209/aaqr.2015.08.0518

Comparative Analysis of Atmospheric Glyoxal Column Densities Retrieved from MAX-DOAS Observations in Pakistan and during MAD-CAT Field Campaign in Mainz, Germany 2016

Muhammad Fahim Khokhar Syeda Ifraw Naveed Junaid Khayyam Butt Zain Abbas

Atmosphere , Volume 7, Issue 5, Article Number 68

Impact Factor: 1.487 | **Quartile:** 3 | **Citations:** 18

DOI: 10.3390/atmos7050068

Spatial variance and assessment of nitrogen dioxide pollution in major cities of Pakistan along N5-Highway 2016

Yasir Shabbir Muhammad Fahim Khokhar Reza Shaiganfar Thomas Wagner

JOURNAL OF ENVIRONMENTAL SCIENCES-CHINA, Volume 43, Pages 4-14

Impact Factor: 2.865 | **Quartile:** 2 | **Citations:** 31

DOI: 10.1016/j.jes.2015.04.038

Temporal Variability and Characterization of Aerosols across the Pakistan Region during the Winter Fog Periods 2016

Muhammad Fahim Khokhar Naila Yasmin Farrukh Chishtie Imran Shahid

Atmosphere , Volume 7, Issue 5, Article Number 67

Impact Factor: 1.487 | **Quartile:** 3 | **Citations:** 39

DOI: 10.3390/atmos7050067

Detection of Trends and Seasonal Variation in Tropospheric Nitrogen Dioxide over Pakistan 2015

Muhammad Fahim Khokhar Naila Yasmin Naveen Fatima Steffen Beirle Thomas Wagner

Aerosol and Air Quality Research, Volume 15, Issue 7, Pages 2508-2524

Impact Factor: 2.393 | **Quartile:** 2 | **Citations:** 28

DOI: 10.4209/aaqr.2015.03.0157

Spatio-Temporal Analyses of Formaldehyde over Pakistan by Using SCIAMACHY and GOME-2 Observations 2015

Muhammad Fahim Khokhar Tameem Khalid Naila Yasmin Isabelle De Smedt

Aerosol and Air Quality Research, Volume 15, Issue 5, Pages 1760-1773

Impact Factor: 2.393 | **Quartile:** 2 | **Citations:** 22

DOI: 10.4209/aaqr.2014.12.0339

Reducing emissions from deforestation and forest degradation implementation in northern Pakistan 2015

Sana Munawar Muhammad Fahim Khokhar Salman Atif

International Biodeterioration & Biodegradation, Volume 102, Pages 316-323

Impact Factor: 2.429 | **Quartile:** 2 | **Citations:** 20

DOI: 10.1016/j.ibiod.2015.02.027

Application of Remote Sensing Technologies to detect the vegetation changes during past two decades in Islamabad, Pakistan 2015

Nusrat Shaheena Muhammad Anwar Baig Muhammad Ahsan Mahboob Saeed Akbar Muhammad Fahim Khokar

Journal of Social Sciences , Volume 4, Number 3, Pages 886-900

Impact Factor: 0

Monitoring Formaldehyde Concentration over Islamabad using Ground Based and Satellite Observations 2015

Muhammad Fahim Khokhar Javeria Abbas Muhammad Arshad

Journal of Space Technology, Volume 5, Issue 1, Pages 83-90

Impact Factor: 0

DOI: http://www.ist.edu.pk/downloads/jst/previous-issues/july-2015/13---monitoring-formaldehyde-concentration-over-islamabad-using-ground-based-and-satellite-observations.pdf

Assessing the Context of Redd+ in Muree Hill Forest, Pakistan 2015

Waseem Razzaq Khan Muhammad Fahim Khokhar Sana Munawar Naila Yasmin Qurban Ali Panhwar Muhammad Nawaz Rajpar

Advances in Environmental Biology, Volume 9, Issue 6, Pages 15-20

Impact Factor: 0

DOI: https://www.academia.edu/27057879/Assessing_the_Context_of_Redd_in_Muree_Hill_Forest_Pakistan

Assessment of particulate matter (PM10) and polycyclic aromatic hydrocarbons levels at various sites in faisalabad and their potential toxicity 2015

Maha Zafar Muhammad Arshad Muhammad Fahim Khokhar

Pakistan Journal of Agricultural Sciences, Volume 52, Issue 1, Pages 233-238

Impact Factor: 0.597 | **Quartile:** 3

DOI:
https://www.researchgate.net/publication/277011989_Assessment_of_particulate_matter_PM10_and_polycyclic_aromatic_hydrocarbons_levels_at_various_sites_in_faisalabad_and_their_potential_toxicity

Spatio-Temporal Analyses of Atmospheric Sulfur Dioxide Column Densities over Pakistan by Using SCIAMACHY Data 2014

Palwasha Khattak Muhammad Fahim Khokhar Naila Yasmin

Aerosol and Air Quality Research, Volume 14, Issue 7, Pages 1883-1896

Impact Factor: 2.094 | **Quartile:** 2 | **Citations:** 27

DOI: 10.4209/aaqr.2013.12.0357

Trans-boundary volcanic SO2 detected over pakistan from satellite observations during the time period 2004-2012 2014

Palwasha Khattak Muhammad Fahim Khokhar Saud Ahmed Khan

Aerosol and Air Quality Research, Volume 14, Issue 6, Pages 1543-1557

Impact Factor: 2.094 | **Quartile:** 2 | **Citations:** 18

DOI: 10.4209/aaqr.2013.12.0361

Growth Response of Wheat to Titania Nanoparticles Application 2014

R. Rafique M. Arshad M. F. Khokhar I. A. Qazi A. Hamza N. Virk

NUST Journal of Eneering Sciences, Volume 7, No.1, Pages 42-46

Impact Factor: 0

DOI: -

Satellite observations of atmospheric SO2 from volcanic eruptions during the time-period of 1996–2002 2005

Muhammad Faheem Khokhar C. Frankenberg M. Van Roozendael S. Beirle S. Kuhl A. Richter U. Platt T. Wagner

ADVANCES IN SPACE RESEARCH, Volume 36, Issue 5, Pages 879-887

Impact Factor: 0.706 | **Quartile:** 2 | **Citations:** 98

DOI: 10.1016/j.asr.2005.04.114

Stratospheric chlorine activation in the Arctic winters 1995/96?2001/02 derived from GOME OClO measurements 2004

S. Kuhl W. Wilms-Grabe S. Beirle C. Frankenberg M. Grzegorski J. Hollwedel Faheem Khokhar S. Kraus U. Platt S. Sanghavi C. von Friedeburg T. Wagner

ADVANCES IN SPACE RESEARCH, Volume 34, Issue 4, Pages 798-803

Impact Factor: 0.548 | **Quartile:** 1 | **Citations:** 16

DOI: 10.1016/j.asr.2003.08.069

Conference Proceedings

Climate Change Induced Governance and Economic Challenges in Pakistan and way forward 2024

Muhammad Faheem Khokhar

Importance of Green Environment and Role of Islamic Banking in changing the financial landscape of Pakistan, res.country(177,)

Citations: N/A

DOI: Nil

Characterizing Forest Cover Dynamics in the Khyber Pakhtunkhwa Region Using Remote Sensing 2024

Kashif Khan Muhammad Faheem Khokhar Shahid Nawaz Khan Junaid Aziz Khan

2024 International Conference on Frontiers of Information Technology (FIT), res.country(177,)

Citations: N/A

DOI: 10.1109/FIT63703.2024.10838401

Smog to Clarity: Challenges and Roadmap to Solutions in Pakistan 2024

Muhammad Faheem Khokhar

Roundtable Conference on Smog issues in Pakistan, res.country(177,)

Citations: N/A

DOI: Nil

Scientific Methods to Monitor Air Quality and Emission Standards in the Coastal Regions 2024

Muhammad Faheem Khokhar

IMO's Obligations of Reducing Harmful Emissions at Sea - Pakistan's Perspective and Challenges, res.country(177,)

Citations: N/A

DOI: Nil

Spatio-Temporal Assessment of Land Use Land Cover Changes and Population Dynamics Using Geoinformatics: A Case Study of Mardan, Khyber Pakhtunkhwa, Pakistan † 2023

Kamran Muhammad Faheem Khokhar Junaid Aziz Khan Iftikhar Hussain Adil

4th International Electronic Conference on Applied Sciences (Engineering Proceedings), res.country(233,)

Citations: N/A

DOI: 10.3390/ASEC2023-15367

Remote Sensing Based Tools for Air Pollution Monitoring 2023

Muhammad Faheem Khokhar

International Conference on Remote Sensing, GIS, and Climate Change (RSGCC-2023), res.country(177,)

Citations: N/A

DOI: Nil

Impact of Ghazi Barotha Hydropower Project on Land use/ Land Cover along Indus River 2023

Ehsan Inam Ullah Dr. Muhammad Fahim Khokhar Dr. Shakil Ahmad Dr. Umer Khayyam

Remote Sensing, GIS and Climate Change (Applications, Strategies, Solutions & Education), res.country(177,)

Citations: N/A

DOI: Nil

How to manage impacts of climate change in Pakistan 2023

Muhammad Faheem Khokhar

Partnership for Climate Action; Science 4 Sustainability , res.country(177,)

Citations: N/A

DOI: 1234567890

Inventory and GLOF susceptibility of glacial lakes in Western Karakoram 2021

Fakhra Muneeb Siddique Ullah Baig Junaid Aziz Khan Muhammad Fahim Khokhar

GLOF conference & workshop 2021, res.country(12,)

Citations: N/A

DOI: https://doi.org/10.3390/ rs13091794

Maximum and Minimum Temperature trends Analysis over Seasons of Different Climatic Zones of Pakistan from 1978-2016 2019

Fasiha Safdar Muhammad Artshad Muhammad Fahim Khokhar

8th Global Conference on Global Warming, res.country(186,)

Citations: N/A

DOI: ISBN: 978-605-66381-7-6

Exploring the inter-dependence of tropospheric trace gases over pakistan through impulse response function analysis 2019

Naila Zeb Muhammad Fahim Khokhar Saud Ahmed Khan Naila Zeb Muhammad Fahim Khokhar Saud Ahmed Khan

8th Global Conference on Global Warming, res.country(186,)

Citations: N/A

DOI: ISBN: 978-605-66381-7-6

Exploring the Atmospheric Composition in the Changing Climate Scenario of Pakistan 2018

MUHAMMAD FAHEEM KHOKHAR N. Zeb A. Shoaib A. Ali A Hassen

15th IGAC Science Conference 2018, res.country(113,)

Citations: N/A

DOI: http://www.igacproject.org/sites/default/files/2018-09/iCACGP-IGAC2018%20Abstracts.pdf#page=47

Air Quality Trends in Pakistan: recent smog event choked the life in the provincial capital city of Lahore 2017

M. F. Khokhar

Second International Meeting on Environmental Health in Strasbourg, Venue: Council of Europe Strasbourg, France, res.country(75,)

Citations: N/A

DOI: https://worldneurologyonline.com/article/second-international-meeting-on-environmental-health/

Smog choked the life in the city of Lahore, Pakistan as air pollution hits hazardous levels 2017

Muhammad Fahim Khokhar Junaid Khayyam Asadullah Shoaib Zunaira Jabeen Hira Ishtiaq Tehreem Mustansar

National Workshop on Air Pollution & Smog: From Science to Solution, res.country(177,)

Citations: N/A

DOI: http://www.uvas.edu.pk/academics/faculties/FBS/ES/smog.htm

An assessment of short lived climate pollutants over Pakistan 2017

Muhammad Fahim khokhar M.Qasim A. Noreen

SPARC Local Workshop on "WCRP Grand Challenges and Regional Climate Change", res.country(121,)

Citations: N/A

DOI: http://159.226.119.58/aas/article/2018/0256-1530/0256-1530-35-6-624.shtml

Early Growth Response of Wheat (Triticum aestivum) Cultivars to Titanium Dioxide (tio2) Nanoparticles 2017

Zahra Zahra Naima Waseem Rubab Zahra Muhammad Arshad Hyung-Kyoon Choi Amna Parveen Sofia Baig Muhammad Fahim Khokhar

International Conference on Bio-approaches for Environment and Sustainability - ICBES-2017, res.country(177,)

Citations: N/A

DOI: N/A

Inter-comparison of CINDI-2 observations for nitrogen dioxide and formaldehyde columns 2016

M. F. Khokhar Junaid Khayyam Butt

Cabauw Intercomparison of Nitrogen Dioxide Measuring Instruments 2 (CINDI -2), res.country(165,)

Citations: N/A

DOI: N/A

Book Chapters

Regional and Urban Air Quality in South Asia 2023

Manish Naja Abdus Salam Muhammad Fahim Khokhar Maheswar Rupakheti

In: *Handbook of Air Quality and Climate Change*, Pages 1-37

Citations: N/A

DOI: https://doi.org/10.1007/978-981-15-2527-8_67-1

The environment and development in contemporary Pakistan: The way forward 2020

Khadija Amir Khadija Amir Muhammad Fahim Khokhar

In: *Book on Perspectives on Contemporary Pakistan: Governance, Development and Environment*, 1st Edition, Chapter 12, Pages 197-211

Citations: N/A

Investigating the Aerosol Type and Spatial Distribution During Winter Fog Conditions over Indo-Gangetic Plains 2018

Muhammad Fahim Khokhar Naila Yasmin Farrukh Chishtie

In: *Book on Land-Atmospheric Research Applications in South and Southeast Asia (Springer Remote Sensing/Photogrammetry)*, Pages 471-497

Citations: N/A

DOI: 10.1007/978-3-319-67474-2_22

Editorial Activities

Atmospheric Environment 2024

Reviewed Papers for Journals

Impact Factor: 4.2

Environmental Surfaces and Interfaces 2024

Reviewed Papers for Journals

Impact Factor: N/A

Atmosphere 2022

Edited Journal Issue / Proceeding / Book

Impact Factor: 2.9

Science of the Total Environment 2022

Reviewed Papers for Journals

Impact Factor: 10.75

Scientific Reports 2022

Reviewed Papers for Journals

Impact Factor: 4.99

2021

Reviewed Papers for Journals

Impact Factor: 4.223

2021

Reviewed Papers for Journals

Impact Factor: 0

Advances in Air Quality Monitoring 2021

Edited Journal Issue / Proceeding / Book

Impact Factor: 3.1

2021

Reviewed Papers for Journals
Impact Factor: 5.38

2021

Reviewed Papers for Journals
Impact Factor: 4.223

2021

Reviewed Papers for Journals
Impact Factor: 3.33

2021

Reviewed Papers for Journals
Impact Factor: 4.2

2021

Reviewed Papers for Journals
Impact Factor: 5.36

2021

Reviewed Papers for Journals
Impact Factor: 0

2020

Reviewed Papers for Journals

2019

Reviewed Papers for Journals
Impact Factor: 4.677

2019

Edited Journal Issue / Proceeding / Book

2019

Reviewed Papers for Journals
Impact Factor: 3.998

2019

Reviewed Papers for Journals
Impact Factor: 1.491

2019

Edited Journal Issue / Proceeding / Book
Impact Factor: 1.327

2019

Reviewed Papers for Journals
Impact Factor: -

2018

Reviewed Papers for Journals
Impact Factor: -

2018

Reviewed Papers for Journals
Impact Factor: 0

2017

Reviewed Papers for Journals
Impact Factor: 4.9

2017

Reviewed Papers for Journals
Impact Factor: 3.8

Intellectual Property

Copyrights

Semi-Automated System for GLOF Susceptibility (SURGE) 2022
Status: Filed

Patents

Introducing the idea of “CO2 Bin” in order to improve indoor air quality and to combat climate change. 2023
Status: Filed

Introducing the idea of “CO2 Arrestor” in a bid to reduce transport sector emissions and to combat climate change. 2023
Status: Filed

Industrial Designs

Trademarks

Trainings

Three Day Master Class in Residence on Regional Approaches to Air Quality and the Environment (Phase-2) in Collaboration of PDC-NUST 2021
Partner: USEFP and PUAN
Duration: 15-Jun-2021 to 18-Mar-2022

Three Day Master Class in Residence on Regional Approaches to Air Quality and the Environment (Phase-1) 2021
Partner: USEFP and PUAN
Duration: 10-Feb-2021 to 09-Jul-2021