

Muhammad Imran

Assistant Professor

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About

Dr. Muhammad Imran is working as Assistant Professor in the NUST Institute of Civil Engineering. Dr. Muhammad Imran has a PhD in Material Sciences And Engineering.. Dr. Muhammad Imran has published 16 research articles & conference papers having a citation count of 503, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Material Sciences And Engineering. Beijing Institute of Technology , China	2015 - 2019
MPhil in Phy University of Agriculture Faisalabad , Pakistan	2004 - 2006
MSc in Phy University of Agriculture Faisalabad , Pakistan	2000 - 2002
BSc in Phy, Chem, Math University of the Punjab , Pakistan	1998 - 2000

Experience

Assistant Professor NUST Institute of Civil Engineering	2019- Present
Assistant Professor NUST Institute of Civil Engineering	2015 - 2019
Assistant Professor NUST Institute of Civil Engineering	2013 - 2015
Lecturer (Do Not Use-Duplicate)NUST Institute of Civil Engineering	2008 - 2013
Subject Specialist Faisalabad Grammar School and College. , Faisalabad Grammar School and College. Kohinoor City, Faisalabad	2006 - 2008
Lecturer Faisalabad College of Science , Guranwala road, Faisalabad.	2003 - 2006
Lecturer Army Public College, Sialkot , Army Public College, Sialkot Cantt.	2003 - 2003

Awards

International DS award Distinguished International Student award 2017-18 ħ Two times 'Young Talented Researcher Award' winners - BOE Technology Group Co., Ltd. China. 2017-19 ħ 'The best talented researcher project winner.' in Prof Zhong's Group. ħ Excellent poster award, ISAMR 2016, Kunming, China.	2019
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Research Articles

Application of Soft-Computing Methods to Evaluate the Compressive Strength of Self-Compacting Concrete <i>Muhammad Nasir Amin Mohammed Najeeb Al-Hashem Ayaz Ahmad Kaffayatullah Khan Waqas Ahmad Muhammad Ghulam Qadir Muhammad Imran Qasem M. S. Al-Ahmad</i> <i>Materials</i> , Volume 15(21), Article Number 7800 Impact Factor: 3.748 Quartile: 1 Citations: 19	2022
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DOI: 10.3390/ma15217800

Predicting the Compressive Strength of Concrete Containing Fly Ash and Rice Husk Ash Using ANN and GEP Models

2022

Mohammed Najeeb Al-Hashem Muhammad Nasir Amin Muhammad Raheel Kaffayatullah Khan Hassan Ali Alkadhim Muhammad Imran Shahid Ullah Mudassir Iqbal

Materials , Volume 15, Issue 21, Article Number 7713

Impact Factor: 3.748 | **Quartile:** 1 | **Citations:** 14

DOI: 10.3390/ma15217713

Evaluating the Strength and Impact of Raw Ingredients of Cement Mortar Incorporating Waste Glass Powder Using Machine Learning and SHapley Additive ExPlanations (SHAP) Methods

2022

Hassan Ali Alkadhim Muhammad Nasir Amin Waqas Ahmad Kaffayatullah Khan Sohaib Nazar Muhammad Iftikhar Faraz Muhammad Imran

Materials , Volume 15, Issue 20, Article Number 7344

Impact Factor: 3.748 | **Quartile:** 1 | **Citations:** 32

DOI: <https://doi.org/10.3390/ma15207344>

Forecasting Compressive Strength of RHA Based Concrete Using Multi-Expression Programming

2022

Muhammad Nasir Amin Kaffayatullah Khan Muhammad Faisal Javed Dina Yehia Zakaria Ewais Muhammad Ghulam Qadir Muhammad Iftikhar Faraz Mir Waqas Alam Anas Abdulalim Alabdullah Muhammad Imran

Materials , Volume 15(11), Article Number 3808

Impact Factor: 3.748 | **Quartile:** 1 | **Citations:** 9

DOI: doi.org/10.3390/ma15113808

Predicting Bond Strength between FRP Rebars and Concrete by Deploying Gene Expression Programming Model

2022

Muhammad Nasir Amin Mudassir Iqbal Babatunde Abiodun Salami Arshad Jamal Kaffayatullah Khan Abdullah Mohammad Abu-Arab Qasem Mohammed Sultan Al-Ahmad Muhammad Imran

Polymers , Volume 14(11), Article Number 2145

Impact Factor: 4.967 | **Quartile:** 1 | **Citations:** 6

DOI: doi.org/10.3390/polym14112145

Effect of Fineness and Heat Treatment on the Pozzolanic Activity of Natural Volcanic Ash for Its Utilization as Supplementary Cementitious Materials

2022

Kaffayatullah Khan Muhammad Nasir Amin Muhammad Usman Muhammad Imran Majdi Adel Al-Faiad Faisal I. Shalabi

Crystals , Volume 12(2), Pages 302

Impact Factor: 2.589 | **Quartile:** 2 | **Citations:** 31

DOI: <https://doi.org/10.3390/cryst12020302>

Sufficiency Criteria for q-Starlike Functions Associated with Cardioid

2021

Saira Zainab Ayesha Shakeel Muhammad Imran Nazeer Muhammad Hira Naz Sarfraz Nawaz Malik Muhammad Arif

Journal of Function Spaces , Volume 2021, Article ID 9999213, 9 pages

Impact Factor: 1.281 | **Quartile:** 2 | **Citations:** 9

DOI: <https://doi.org/10.1155/2021/9999213>

Illustrating the Shell Thickness Dependence in Alloyed Core/Shell Quantum-Dot-Based Light-Emitting Diodes by Impedance Spectroscopy

2019

Shmshad Ali Tang Jialun Muhammad Imran Han Dengbao Zhang Xin Chang Shuai Shi Qingfan Zhong Haizheng

Journal of Physical Chemistry C , Volume 123, Issue 42, Pages 26011-26017

Impact Factor: 4.189 | **Quartile:** 2 | **Citations:** 12

DOI: DOI: 10.1021/acs.jpcc.9b07889

Highly Efficient Light Emitting Diodes Based on In Situ Fabricated FAPbI₃ Nanocrystals: Solvent Effects of On-Chip Crystallization

2019

Xin Zhang Dengbao Han Chenhui Wang Muhammad Imran Feng Zhang Ali Shmshad Xulan Xue Wenyu Ji Shuai Chang Haizheng Zhong

Advanced Optical Materials , Volume 7, Issue 20, Article Number 1900774

Impact Factor: 10.050 | **Quartile:** 1 | **Citations:** 30

DOI: 10.1002/adom.201900774

Gaining Insight into the Underlayer Treatment for in Situ Fabrication of Efficient Perovskite Nanocrystal-Based Light-Emitting Diodes

2019

Muhammad Imran Han Dengbao Shmshad Ali Zhang Xin Wang Chenhui Syed Kazim Chen Yu Chang Shuai Zou Bingsuo Zhong Haizheng

Journal of Physical Chemistry C , Volume 123, Issue 28, Pages 17353-17359

Impact Factor: 4.189 | **Quartile:** 2 | **Citations:** 10

DOI: 10.1021/acs.jpcc.9b04174

- Impedance Spectroscopy: A Versatile Technique to Understand Solution-Processed Optoelectronic Devices** 2019
Shmshad Ali Shuai Chang Muhammad Imran Qingfan Shi Yu Chen Haizheng Zhong
Physica Status Solidi - Rapid Research Letters, Volume 13, Issue 5, Article Number 1800580
Impact Factor: 3.277 | **Quartile:** 2 | **Citations:** 36
DOI: 10.1002/pssr.201800580
- Efficient Light-Emitting Diodes Based on in Situ Fabricated FAPbBr₃ Nanocrystals: The Enhancing Role of the Ligand-Assisted Reprecipitation Process** 2018
Dengbao Han Muhammad Imran Mengjiao Zhang Shuai Chang Xian-gang Wu Xin Zhang Jialun Tang Mingshan Wang Shmshad Ali Xinguo Li Gang Yu
Junbo Han Lingxue Wang Bingsuo Zou Haizheng Zhong
ACS Nano, Volume 12(8), Pages 8808-8816
Impact Factor: 13.903 | **Quartile:** 1 | **Citations:** 272
DOI: DOI:10.1021/acsnano.8b05172
- Controllable fabrication of PS/Ag core-shellshaped nanostructures** 2012
Chunjing Zhang Xianfang Zhu Haixia Li Imran Khan Muhammad Imran Lianzhou Wang Xiamen University Xuan Cheng
Nanoscale Research Letters, Volume 7, Article Number 580
Impact Factor: 6.233 | **Quartile:** 1 | **Citations:** 23
DOI: 10.1186/1556-276X-7-580
- Characterization and quantification of mineral phases in the soil of metropolitan Faisalabad causing air pollution** 2008
M.Y. Hussain Islam-ud-Din M. Yousaf Muhammad Imran
Soil and Environmental, Volume 27 (1), Pages 88-92
Impact Factor: N/A
DOI: <http://www.se.org.pk/Papers.aspx?issueid=9>
- Investigating indoor suspended particulate matter as source of air pollution in residential, commercial and industrial areas of Faisalabad city** 2008
M.Y. Hussain M. Yousuf Islam-ud-Din Shahzad Muhammad Imran
Pakistan Journal of Agricultural Sciences, Volume 45(1), Pages 112-115
Impact Factor: N/A
DOI: agris-search/search.do?recordID=PK2009000176
- A pollutant of Environment: Qualification, Quantification and Characterization of Airborne Particulates** 2008
M.Y. Hussain M. Yousuf Islam-ud-Din Muhammad Imran
Pakistan Journal of Agricultural Sciences, Volume 45(1), Pages 116-118
Impact Factor: N/A
DOI: <https://agris.fao.org/agris-search/search.do?recordID=PK2009000176>