

Inam Ullah Khan

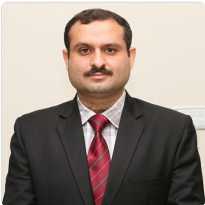
Associate Professor

National Institute of Transportation

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About

Dr. Inam Ullah Khan is working as Associate Professor in the National Institute of Transportation. Dr. Inam Ullah Khan has a PhD in Bridge And Tunnel. Dr. Inam Ullah Khan has published 36 research articles & conference papers having a citation count of 260, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Bridge And Tunnel Southwest Jiaotong University , China	2012 - 2016
MS in Transportation Engg NUST, Islamabad , Pakistan	2008 - 2010
BE in Civil Engg NUST, Islamabad , Pakistan	2003 - 2007

Experience

Associate Professor National Institute of Transportation	2024- Present
Assistant Professor National Institute of Transportation	2021 - 2021
Assistant Professor Military College of Engineering	2019 - 2021
Assistant Professor Military College of Engineering	2016 - 2019
Assistant Professor Military College of Engineering	2016 - 2016
Junior Engineer WAPDA , WAPDA, D I KHAN	2011 - 2012
Senior Engineer NESPAK , NESPAK, Abbottabad, Pakistan	2009 - 2011
Project Engineer FWO , FWO, RAWALPINDI, PAKISTAN	2008 - 2009
Research Engineer National Institute of Transportation , NIT, RISALPUR	2007 - 2008

Industry Projects

National Projects

“JMF Design of AWC and ABC at Islamabad International Airport”

Client: PCA

Amount: PKR 868,000.00

Status: Approved_inprocess

International Projects

Research Articles

<p>Optimizing coconut fiber-modified hot mix asphalt for enhanced mechanical performance using response surface methodology</p> <p><i>Nasir Khan Muslich Hartadi Sutanto Inam Ullah Khan Shabir Hussain Khahro Mohammad Abdul Malik</i> <i>Scientific Reports</i> , Volume:15, Issue:1, Article Number: 15098</p> <p>Impact Factor: 3.900 Quartile: 1</p> <p>DOI: https://doi.org/10.1038/s41598-025-98234-2</p>	2025
<p>Evaluating the dynamic response and phase angle behavior of SBS-modified asphalt mixtures for enhanced pavement performance</p> <p><i>Inam Ullah Khan Muhammad Bilal Wasim khaliq .. Nasir Khan Shabir Hussain Khahro Zubair Ahmed Memon Mohammad Abdul Malik</i> <i>Scientific Reports</i> , Volume: 14, Article Number: 29480</p> <p>Impact Factor: 3.800 Quartile: 1 Citations: 1</p> <p>DOI: https://doi.org/10.1038/s41598-024-79869-z</p>	2024
<p>Evaluating and optimizing NBR-modified bituminous mixes: a rheological and RSM-based study</p> <p><i>Inam Ullah Khan Zahoor Ahmad Khan Muhammad Imran Khan Mujahid Ali Nasir Khan Manidurai Paulraj Siva Avudaiappan</i> <i>Scientific Reports</i> , Volume:14, Issue:1, Article number: 24419, Pages: 15</p> <p>Impact Factor: 3.8 Quartile: 1 Citations: 5</p> <p>DOI: https://doi.org/10.1038/s41598-024-75679-5</p>	2024
<p>Road Traffic Crash Severity Analysis: A Bayesian-Optimized Dynamic Ensemble Selection Guided by Instance Hardness and Region of Competence Strategy</p> <p><i>KAMRAN AZIZ FENG CHEN Inam Ullah Khan SHABIR HUSSAIN KHAHRO MOHAMMAD ABDUL MALIK ZUBAIR AHMED MEMON AFAQ KHATTAK</i> <i>IEEE Access</i> , Volume: 12) Page(s):139540-139559</p> <p>Impact Factor: 3.4 Quartile: 2 Citations: 7</p> <p>DOI: 10.1109/ACCESS.2024.3465489</p>	2024
<p>Performance evaluation of indented macro synthetic polypropylene fibers in high strength self-compacting concrete (SCC)</p> <p><i>Chen Yaqin Saud Ul Haq Shahid Iqbal Inam Ullah Khan Shah Room Shaukat Ali Khan</i> <i>Scientific Reports</i> , Volume 14, Article Number: 20844</p> <p>Impact Factor: 3.800 Quartile: 1 Citations: 5</p> <p>DOI: https://doi.org/10.1038/s41598-024-71875-5</p>	2024
<p>Comparative Study on CNN-based Bridge Seismic Damage Identification Using Various Features</p> <p><i>Xiaohang Zhou Yian Zhao Inam Ullah Khan Lu Cao</i> <i>KSCE Journal of Civil Engineering</i> , Pages 1-10</p> <p>Impact Factor: 1.900 Quartile: 3 Citations: 4</p> <p>DOI: 10.1007/s12205-024-0559-9</p>	2024
<p>Evaluation of machine learning models for predicting TiO2 photocatalytic degradation of air contaminants</p> <p><i>Muhammad Faisal Javed Usama Asif Muhammad Zubair Shahab Taoufik Najeh Fahid Aslam Mujahid Ali Inam Ullah Khan</i> <i>Scientific Reports</i> , Volume 14, Article Number: 13688</p> <p>Impact Factor: 3.800 Quartile: 1 Citations: 20</p> <p>DOI: 10.1038/s41598-024-64486-7</p>	2024
<p>Causes and dynamic change characteristics of the 2022 devastating floods in Pakistan</p> <p><i>Huayong Chen Jiang Xiong Peng Cui Xiaoqing Chen Yonggang Ge Congxi Fang Bo Zhang Tao Yang Inam Ullah Khan</i> <i>Natural Hazards</i> , Pages 1-21</p> <p>Impact Factor: 3.300 Quartile: 2 Citations: 3</p> <p>DOI: 10.1007/s11069-024-06582-5</p>	2024
<p>Integrated recycling of geopolymerized quarry dust and bagasse ash with facemasks for the balanced amelioration of the fat clay: a multi-waste solution</p> <p><i>Imad Ullah Usama Khalid Zia ur Rehman Mudassar Munir Shah Inam Ullah Khan Nauman Ijaz</i> <i>Environmental Earth Sciences</i> , Volume:82, Issue:21,</p> <p>Impact Factor: 2.8 Quartile: 2 Citations: 19</p> <p>DOI: 10.1007/s12665-023-11219-0</p>	2023
<p>Behavior of non-prismatic RC beams with conventional steel and green GFRP rebars for sustainable infrastructure</p> <p><i>Suniti Suparp Ali Ejaz Kaffayatullah Khan Uruya Weesakul Qudeer Hussain Panumas Saingam Inam Ullah Khan</i> <i>Scientific Reports</i> , Volume 13, Article Number 15733</p> <p>Impact Factor: 4.6 Quartile: 2 Citations: 6</p>	2023

DOI: 10.1038/s41598-023-41467-w	
Engineering Characteristics of SBS/Nano-Silica-Modified Hot Mix Asphalt Mixtures and Modeling Techniques for Rutting <i>Inam Ullah Khan Abdul Wahab Khattak Alireza Bahrami Shahab Khattak Ali Ejaz</i> <i>Buildings</i> , Volume 13(9), Article Number 2352 Impact Factor: 3.8 Quartile: 2 Citations: 6 DOI: https://doi.org/10.3390/buildings13092352	2023
Integrating wheat straw and silica fume as a balanced mechanical ameliorator for expansive soil: a novel agri-industrial waste solution <i>Usama Khalid Zia ur Rehman Nauman Ijaz Inam Ullah Khan Muhammad Faisal Junaid</i> <i>Environmental Science and Pollution Research</i> , Pages 1-20 Impact Factor: 5.8 Quartile: 1 Citations: 17 DOI: https://doi.org/10.1007/s11356-023-27538-5	2023
Slope stability analysis and mitigation along CPEC route (KKH) by using rocsience slide modeling; (A case study of landslide at Humarri, Pakistan <i>Fahad Javed Inam Ullah Khan</i> <i>Scandic Journal of Advanced Research and Reviews</i> , Volume 2(03), Pages 70-80 Impact Factor: N/A DOI: 10.55966/sjarr.2022.2.3.0043	2022
Performance Evaluation of Flexible Pavement Using Carbon Nanotubes and Plastic Waste as Admixtures <i>Aamir Ayaz Khan Inam Ullah Khan Malik Muneeb Abid Muhammad Noman Umair Ayaz Khan Muhammad Bilal</i> <i>Tehnicki Vjesnik-Technical Gazette</i> , Volume 29, No. 1, Pages 9-14 Impact Factor: 0.864 Quartile: 4 Citations: 2 DOI: 10.17559/TV-20190528191540	2022
Application of improved combined deterministic-stochastic subspace algorithm in bridge modal parameter identification <i>Peng Wen Jie He Qiaofeng Chen Inam Ullah Khan</i> <i>Shock and Vibration</i> , Volume 2021, Article ID 8855162, 11 pages Impact Factor: 1.616 Quartile: 4 Citations: 9 DOI: https://doi.org/10.1155/2021/8855162	2021
Performance evaluation of brt standard in decision support system for integrated transportation policy <i>Farhan Haider Zia ur Rehman Ammad Hassan Khan Maryam Ilyas Inam Ullah Khan</i> <i>Sustainability (Switzerland)</i> , Volume:13, Issue:4, Article Number:1957, Page:19 Impact Factor: 3.889 Quartile: 2 Citations: 8 DOI: 10.3390/su13041957	2021
Online Intelligent Identification of Modal Parameters for Large Cable-Stayed Bridges <i>Inam Ullah Khan Peng Wen He Jie Chen Qiaofeng Yang Shiyu</i> <i>Shock and Vibration</i> , Volume 2020, Article ID 2040216, 17 pages Impact Factor: 1.543 Quartile: 4 Citations: 1 DOI: https://doi.org/10.1155/2020/2040216	2020
Tension Identification of Suspenders with Supplemental Dampers for Through and Half-Through Arch Bridges under Construction <i>Deshan Shan Y. H. Chai Xiaohang Zhou Inam Ullah Khan</i> <i>Journal of Structural Engineering</i> , Volume 145, Issue 3, Article Number 04018265 Impact Factor: 2.454 Quartile: 2 Citations: 11 DOI: 10.1061/(ASCE)ST.1943-541X.0002255	2019
Data Inspecting and Denoising Method for Data-Driven Stochastic Subspace Identification <i>Qiao L Xiaohang Zhou Lu Cao Inam Ullah Khan</i> <i>Shock and Vibration</i> , Article ID 3926817 Impact Factor: 1.628 Quartile: 3 Citations: 7 DOI: 10.1155/2018/3926817	2018
Continuous modal parameter identification of cable-stayed bridges based on a novel improved ensemble empirical mode decomposition <i>Deshan Shan Qiao Li He Jie Inam Ullah Khan</i> <i>Structure and Infrastructure Engineering</i> , Volume 14, Issue 2, Pages 177-191	2018

Impact Factor: 2.430 Quartile: 2 Citations: 9 DOI: 10.1080/15732479.2017.1338734	
Continuous modal parameter identification of a cable-stayed bridge based on robustious decomposition and covariance- driven stochastic subspace identification <i>Inam Ullah Khan Deshan Shan Qiao Li</i> <i>Iranian Journal of Science and Technology, Transactions of Civil Engineering</i> , Volume 40, Issue 1, Pages 11-22 Impact Factor: 0.276 Quartile: 4 Citations: 6 DOI: 10.1007/s40996-016-0008-1	2016
A novel finite element model updating method based on substructure and response surface model <i>Deshan Shan Qiao Li Inam Ullah Khan Xiaohang Zhou</i> <i>Engineering Structures</i> , Volume 103, Pages 147-156 Impact Factor: 1.893 Quartile: 1 Citations: 93 DOI: DOI:10.1016/j.engstruct.2015.09.006	2015
Data interpretation and continuous modal parameter identification of cable stayed bridge <i>Inam Ullah Khan Deshan Shan Qiao Li Jie He Fei Long Nan</i> <i>Open Civil Engineering Journal</i> , Volume 9, Issue 1, Pages 577-591 Impact Factor: N/A Citations: 4 DOI: 10.2174/1874149501509010577	2015
Modal Parameter Identification of Cable Stayed Bridge Based on Exploratory Data Analysis <i>Inam Ullah Khan Deshan Shan Qiao Li</i> <i>Archives of Civil Engineering</i> , Volume 61, Issue 2, Pages 3-22 Impact Factor: N/A Citations: 6 DOI: 10.1515/ace-2015-0011	2015
Conference Proceedings	
FIR and IIR filtering and data driven stochastic subspace identification for the continuous dynamic modal parameter identification of cable stayed bridge <i>Inamullah Khan Khurram Malik Sarfraz Ali DESHAN SHAN</i> <i>9th International Conference on Bridge Maintenance, Safety and Management</i> , res.country(13,) Citations: N/A DOI: 10.1201/9781315189390	2018
Modal Parameter Identification of Bridge based on Large Scale Data Sets <i>Inam Ullah Khan Khurram Malik</i> <i>International Conference on High Performance Compilation, Computing and Communications</i> , res.country(48,)	2016
Adaptive signal decomposition and reconstruction for bridge structural dynamic testing <i>DESHAN SHAN QIAO LI Inam Ullah Khan</i> <i>IABSE Conference: Bridges and Structures Sustainability - Seeking Intelligent Solutions</i> , res.country(48,)	2016
Temperature Effect on Continuous Modal Parameter Identification of Cable Stayed Bridge <i>Inam Ullah Khan Deshan Shan QIAO LI FEILONG NAN</i> <i>IABSE Conference – Structural Engineering: Providing Solutions to Global Challenges, September 23-25 2015, Geneva, Switzerland</i> res.country(43,)	2015
Exploratory Data Analysis and Modal Parameter identification of Cable Stayed Bridge <i>Inamullah Khan DESHAN SHAN QIAO LI XIAOHANG ZHOU JIE HE</i> <i>6th International conference on Innovation and Sustainability of Structures in Civil Engineering, ISSS-2015, Beijing, China</i> , res.country(48,)	2015
Statistical analysis and long-term operational monitoring of Sutong Bridge <i>Inamullah Khan DESHAN SHAN QIAO LI XIAOHANG ZHOU JIE HE</i> <i>Safety, Robustness and Condition Assessments of Structures</i> , res.country(70,)	2015

DOI: 10.2749/222137815815622906

Covariance driven subspace identification technique for continuous modal parameters identification of Sutong Bridge2014

Inam Ullah Khan DESHAN SHAN Khurram Malik

Engineering for Progress, Nature and People, res.country(68,)

Citations: 8

DOI: 10.2749/222137814814070118

Early damage warning of railway bridge in time-domain based on statistical learning theory2014

DESHAN SHAN ZHEN HUANG Inamullah Khan Chunyu Fu

Bridge Maintenance, Safety, Management and Life Extension - Proceedings of the 7th International Conference of Bridge Maintenance, Safety and Management, IABMAS 2014, Shanghai, China. , res.country(48,)

Citations: N/A

DOI: ISBN 9781138001039

Application of contemporary programming techniques in health monitoring software of suspension spanning structure2014

DESHAN SHAN JUN DONG Jingchao Yang Shaoxiong Zhang Inamullah Khan ZHEN HUANG

Bridge Maintenance, Safety, Management and Life Extension - Proceedings of the 7th International Conference of Bridge Maintenance, Safety and Management, IABMAS 2014 , res.country(48,)

Citations: N/A

DOI: ISBN 9781138001039

Modal parameters identification of combined cable-stayed suspension bridge in time-frequency domain2014

DESHAN SHAN ZHEN HUANG QIAO LI Inamullah Khan

Bridge Maintenance, Safety, Management and Life Extension - Proceedings of the 7th International Conference of Bridge Maintenance, Safety and Management, , res.country(48,)

Citations: N/A

DOI: ISBN 9781138001039

Temperature Effect Analysis of Viscoelastic Damper and Magnetorheological Damper for Vibration Control of Stayed-Cable2014

Inamullah Khan Deshan Shan Abdul Qadir Bhatti

IABMAS , res.country(48,)

Citations: N/A

DOI: http://www.crcnetbase.com/doi/abs/10.1201/b17063-332

Editorial Activities

Reviews on Advanced Materials Science2023

Reviewed Papers for Journals

Impact Factor: 5.3