

## Dr. Muhammad Bilal Khurshid

Professor of Practice

National Institute of Transportation

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**Contact:**



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### About

Dr. Dr. Muhammad Bilal Khurshid is working as Professor of Practice in the National Institute of Transportation. Dr. Dr. Muhammad Bilal Khurshid has a PhD in Transportation Engineering. Dr. Dr. Muhammad Bilal Khurshid has published 75 research articles & conference papers having a citation count of 557, carried out 0 projects and filed 0 intellectual property.

### Qualifications

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|-------------------------------------------------------------------------------|-------------|
| <b>PhD in Transportation Engineering</b><br>Purdue University , United States | 2007 - 2010 |
| <b>MS in Transportation Engineering</b><br>Purdue University , United States  | 2005 - 2006 |
| <b>BE in Civil Engineering</b><br>NUST, Islamabad , Pakistan                  | 1998 - 2001 |

Experience

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| <b>Professor of Practice</b><br>National Institute of Transportation                                                                      | 2024- Present |
| <b>Defence Faculty</b><br>National Institute of Transportation                                                                            | 2024 - 2024   |
| <b>Defence Faculty</b><br>National Institute of Transportation                                                                            | 2019 - 2019   |
| <b>Defence Faculty</b><br>National Institute of Transportation                                                                            | 2016 - 2019   |
| <b>Defence Faculty</b><br>National Institute of Transportation (NIT-SCEE)                                                                 | 2016 - 2016   |
| <b>Defence Faculty</b><br>National Institute of Transportation (NIT-SCEE)                                                                 | 2014 - 2016   |
| <b>Defence Faculty</b><br>Military College of Engineering                                                                                 | 2014 - 2014   |
| <b>Defence Faculty</b><br>Military College of Engineering                                                                                 | 2010 - 2014   |
| <b>Defence Faculty</b><br>Military College of Engineering                                                                                 | 2002 - 2002   |
| <b>Defence Faculty</b><br>Military College of Engineering                                                                                 | 2001 - 2002   |
| <b>Principal and Dean</b><br>NIT NUST , NIT Risalpur                                                                                      | 2024 - 2025   |
| <b>Director Consultancy &amp; Transportation</b><br>FWO , Rawalpindi                                                                      | 2023 - 2024   |
| <b>Director Transportation, Consultancy Directorate</b><br>FWO , Rawalpindi                                                               | 2021 - 2023   |
| <b>Deputy Director Consultancy</b><br>FWO , Headquarters Frontier Works Organization (FWO) Rawalpindi                                     | 2019 - 2019   |
| <b>Professor, Transportation Engineering Dept &amp; Dy Director NIT</b><br>MCE , MCE Risalpur                                             | 2019 - 2019   |
| <b>Assoiate Professor, Transportation Engg. Dept.</b><br>NIT NUST , Islamabad                                                             | 2016 - 2019   |
| <b>Associate Professor / HoD Transportation Engg.</b><br>MCE , MCE Risalpur                                                               | 2014 - 2016   |
| <b>Associate Professor / HoD Basic Sciences</b><br>MCE , MCE Risalpur                                                                     | 2011 - 2014   |
| <b>Asst. Professor</b><br>MCE , MCE Risalpur                                                                                              | 2010 - 2011   |
| <b>Research Assistant</b><br>Purdue University, West Lafayette, Indiana, USA , Purdue University, West Lafayette, Indiana, USA            | 2007 - 2010   |
| <b>Teaching / Research Assistant</b><br>Purdue University, West Lafayette, Indiana, USA , Purdue University, West Lafayette, Indiana, USA | 2005 - 2006   |
| <b>Field Engr / Staff Officer / Project Manager</b><br>Pak Army, Engineers , Pak Army, Engineers                                          | 2002 - 2005   |
| <b>Lecturer</b><br>MCE , MCE Risalpur                                                                                                     | 2001 - 2002   |
| <b>Field Engr / Staff Officer / Project Manager</b><br>Pak Army Engineers , Pak Army Engineers                                            | 1994 - 2001   |

## Awards

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| <b>Best Researcher Award (MCE/NUST)</b><br>Best Researcher Award (MCE/NUST) by NUST 2019                                                                                                                                                                                                                                                                             | 2019 |
| <b>Best Paper Award</b><br>Best Paper Award of Corps of Engineers Journal 2014.                                                                                                                                                                                                                                                                                      | 2014 |
| <b>Best Institute (MCE) Teacher Award</b><br>Best Institute (MCE) Teacher Award by NUST in 2012.                                                                                                                                                                                                                                                                     | 2012 |
| <b>Honors BE (Civ)</b><br>Honors in BE (Civil) (4th position) in the degree course.                                                                                                                                                                                                                                                                                  | 2011 |
| <b>Infrastructure Systems Research Award</b><br>Recipient of 2010 Infrastructure Systems Research Award for outstanding research in Transportation in Civil Engineering Department of Purdue University, USA, in 2010.                                                                                                                                               | 2010 |
| <b>Scholarship for Applied Management Principles (AMP) Program</b><br>Awarded competitive scholarship from Civil Engineering Department of Purdue University, USA, for Applied Management Principles (AMP) Program, Krannet School of Management, Purdue University in May 2007 (based on outstanding performance in academics and research in the Civil Engg Dept). | 2007 |
| <b>Scholarship for MSc leading to PhD</b><br>Awarded competitive scholarship from the Pakistan Government (Ministry of Defence) for MSc leading to PhD in USA in 2005.                                                                                                                                                                                               | 2004 |
| <b>1st Course position - 90 PMA L/C</b><br>Secured First Passing out Commission Merit /Position in 90 PMA Long Course, Pak Army Engineers                                                                                                                                                                                                                            | 1994 |
| <b>1st Pakistan Army Cadet who passed out from Bangladesh Military Academy</b><br>First Pakistan Army Officer to pass out from Bangladesh Military Academy (3rd and 4th term)                                                                                                                                                                                        | 1993 |

## Research Articles

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| <b>A multidimensional analysis of strategies for the enhancement of railway freight capacity and their effects on the sustainability of transportation infrastructure - a case study of China-Pakistan economic corridor (CPEC)</b><br><i>Dr. Muhammad Bilal Khurshid Usama Khan Jamal Ahmed Khan Muhammad Asif Khan</i><br><i>Mehran University Research Journal of Engineering and Technology</i> , Volume 44(3), Pages 195-205<br><b>Impact Factor:</b> 0.700   <b>Quartile:</b> 3<br><b>DOI:</b> 10.22581/muet1982.3299 | 2025 |
| <b>Multi-dimensional freight and trade capacity analysis-A case study on Burhan-Khunjerab route in China-Pakistan economic corridor (CPEC)</b><br><i>Muhammad Adeel Dr. Muhammad Bilal Khurshid Usama Khan Jamal Ahmed Khan</i><br><i>Scientific Journal of Silesian University of Technology-Series Transport</i> , Volume:126, Page:5-21<br><b>Impact Factor:</b> 0.700   <b>Quartile:</b> 4<br><b>DOI:</b> <a href="https://doi.org/10.20858/sjsutst.2025.126.1">https://doi.org/10.20858/sjsutst.2025.126.1</a>         | 2025 |
| <b>Developing a quality index for pavement construction and rehabilitation</b><br><i>Umair Imran Dr. Muhammad Bilal Khurshid Usama Khan</i><br><i>Organization, Technology and Management in Construction</i> , Volume:17, Issue:1, Page:24-45<br><b>Impact Factor:</b> 1.700   <b>Quartile:</b> 3<br><b>DOI:</b> 10.2478/otmcj-2025-0002                                                                                                                                                                                   | 2025 |
| <b>User Opinion on Factors Affecting Drivers Frequent Lane-Changing Behavior: A National Sample of Drivers in Pakistan</b><br><i>Ittikhar Jilani Jamal Ahmed Khan Azeem Ullah Shah Dr. Muhammad Bilal Khurshid</i><br><i>International Journal for Research in Applied Science &amp; Engineering Technology</i> , Volume 11, Issue XII, Pages 76-84<br><b>Impact Factor:</b> N/A<br><b>DOI:</b> <a href="https://doi.org/10.22214/ijraset.2023.56648">https://doi.org/10.22214/ijraset.2023.56648</a>                       | 2023 |
| <b>Comparison of Headway Measurement Methods for Heterogeneous Traffic Conditions</b><br><i>Jamal Ahmed Khan Azeem Ullah Shah Muhammad Mubashir Dr. Muhammad Bilal Khurshid</i><br><i>International Journal for Research in Applied Science &amp; Engineering Technology</i> , Volume 11, Issue VIII, Pages 1362-1367<br><b>Impact Factor:</b> N/A<br><b>DOI:</b> <a href="https://doi.org/10.22214/ijraset.2023.55135">https://doi.org/10.22214/ijraset.2023.55135</a>                                                     | 2023 |

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| <b>A Multidimensional Analysis of Factors Impacting Mobility of Open-Access Multilane Highways</b><br><i>Jamal Ahmed Khan Muhammad Bilal Khurshid Arshad Hussain Asif Azam</i><br><i>Infrastructures</i> , Volume 7, Issue 10, Article Number 143<br><b>Impact Factor: 0   Citations: 1</b><br><b>DOI:</b> <a href="https://doi.org/10.3390/infrastructures7100143">https://doi.org/10.3390/infrastructures7100143</a>                                         | 2022 |
| <b>Enhancement of Hot Mix Asphalt (HMA) Properties Using Waste Polymers</b><br><i>Muhammad Bilal Khurshid Nadeem Anwer Qureshi Arshad Hussain Muhammad Jawed Iqbal</i><br><i>Arabian Journal for Science and Engineering</i> , Volume 44, Issue 10, Pages 8239–8248<br><b>Impact Factor: 1.711   Quartile: 2   Citations: 38</b><br><b>DOI:</b> 10.1007/s13369-019-03748-3                                                                                     | 2019 |
| <b>Shortcomings in traffic control devices on rural highways of Pakistan and their rectifications</b><br><i>Saad Tayyab Fazal Haq Dr. Muhammad Bilal Khurshid</i><br><i>Review of Information Engineering and Applications</i> , Volume 6(1), Pages 1-7<br><b>Impact Factor: N/A</b><br><b>DOI:</b> 10.18488/journal.79.2019.61.1.7                                                                                                                            | 2019 |
| <b>Restricted zone of superpave mix design and its impact on resilient modulus and permanent deformation</b><br><i>Arshad Hussain Fazal Haq Nauman Javaid Dr. Muhammad Bilal Khurshid</i><br><i>Civil Engineering Journal-Stavebni Obzor</i> , Volume: 1, Pages: 20-31<br><b>Impact Factor: 0</b><br><b>DOI:</b> DOI:10.14311/CEJ.2019.01.0003                                                                                                                 | 2019 |
| <b>Multicriteria Decision Making (MCDM) for evaluation of different transportation alternatives: A case of Rawalpindi bypass Pakistan</b><br><i>Bilal Khurshid Muhammad Adeel Muhammad Jawed Iqbal Malik Kamran Shakir</i><br><i>Journal of Sustainable Development of Transport and Logistics</i> , Volume 3(3), Pages 38-54<br><b>Impact Factor: 0</b><br><b>DOI:</b> 10.14254/jsdtl.2018.3-3.3                                                              | 2018 |
| <b>Field investigation of Modified Asphalt Mix in Pakistan</b><br><i>arshad hussain Abdul Farhan Nadeem Anwar Qureshi Dr. Muhammad Bilal Khurshid Hassan Farooq Afridi</i><br><i>Journal of mechanics of continua and mathematical sciences</i> , Journal of mechanics of continua and mathematical sciences , Vol.-13, No.-4 Pages 90-99<br><b>Impact Factor: -</b><br><b>DOI:</b> 10.26782/jmcms                                                             | 2018 |
| <b>Optimization of Reclaimed Asphalt and FT Paraffin for Permanent Deformation and Moisture Damage of Asphalt Mixes</b><br><i>Fazal Haq Arshad Hussain Dr. Muhammad Bilal Khurshid</i><br><i>Civil Engineering Journal-Stavebni Obzor</i> , Volume:3, Article Number:37<br><b>Impact Factor: -</b><br><b>DOI:</b> DOI:10.14311/CEJ.2018.03.0037                                                                                                                | 2018 |
| <b>Policy Implications of Work-Trip Mode Choice Using Econometric Modeling</b><br><i>Muhammad Irfan Ahmed N. Khurshid Aemal Khattak Dr. Muhammad Bilal Khurshid Yasir Ali</i><br><i>Journal of Transportation Engineering Part A: Systems</i> , Volume 144(8), Article Number 04018035<br><b>Impact Factor: 0.641   Quartile: 4   Citations: 14</b><br><b>DOI:</b> <a href="https://doi.org/10.1061/JTEPBS.0000158">https://doi.org/10.1061/JTEPBS.0000158</a> | 2018 |
| <b>Work zone traffic management in rehabilitation of M-2</b><br><i>Adeel Zafar Dr. Muhammad Bilal Khurshid Malik Kamran Shakir</i><br><i>Journal of Sustainable Development of Transport and Logistics</i> , Volume 3(3), Pages 99-108<br><b>Impact Factor: -</b><br><b>DOI:</b> 10.14254/jsdtl.2018.3-3.8                                                                                                                                                     | 2018 |
| <b>Permanent Deformation and Moisture Damage of Asphalt Mixes Containing RAP and Sasobit</b><br><i>Fazal Haq Arshad Hussain Dr. Muhammad Bilal Khurshid</i><br><i>International Journal of Engineering Applied Sciences and Technology</i> , Vol. 2, Issue 11, Pages 32-39<br><b>Impact Factor: 0</b><br><b>DOI:</b> 10.7763/IJET.                                                                                                                             | 2018 |
| <b>Use of Waste Plastic Bottles as a Modifier in Bituminous Pavements</b><br><i>Arshad Hussain Fazal Haq Nasir Ali Dr. Muhammad Bilal Khurshid Muhammad Ammar Khan</i>                                                                                                                                                                                                                                                                                         | 2018 |

- Influence of Six Sigma on Project Success in Construction Industry of Pakistan** 2017  
*Fahim Ullah Muhammad Jamaluddin Thaheem Siddra Qayyum Siddiqui Dr. Muhammad Bilal Khurshid*  
*The TQM Journal*, Volume 29, No. 2, Pages 276-309  
Impact Factor: 0 | Citations: 65  
DOI: 10.1108/TQM-11-2015-0136
- Laboratory evaluation of asphalt mixes containing various percentages of recycled asphalt pavement** 2017  
*Waqas Rafiq Arshad Hussain Dr. Muhammad Bilal Khurshid Muhammad Humair*  
*Asian Journal of Natural and Applied Sciences*, Volume 6(1), Pages 1-9  
Impact Factor: N/A
- Impact of variation orders on time and cost in mega hydropower projects of Pakistan** 2016  
*Muhammad Bilal Khurshid Søren Munch Lindhard Hashim Hanif Zuhaib Aslam*  
*Journal of Construction in Developing Countries*, Volume 21(2), Pages 37-53  
Impact Factor: 0 | Citations: 25  
DOI: 10.21315/jcdc2016.21.2.3
- FIDIC Conditions of Subcontract as a Model for General Conditions of Subcontract in Pakistan** 2016  
*Muhammad Umer Zubair Hamza Farooq Gabriel Muhammad Jamaluddin Thaheem Dr. Muhammad Bilal Khurshid Ammara Mubeen*  
*Advances in Science, Technology and Engineering Systems*, Volume 1, Issue 6, Pages 5-13  
Impact Factor: N/A  
DOI: 10.25046/aj010602
- Reason of the Unsustainability of Community Based Projects: A Critical Review** 2016  
*Zohaib Fazal Muhammad Jawed Iqbal Dr. Muhammad Bilal Khurshid*  
*Acta Technica Corviniensis - Bulletin of Engineering; Hunedoara*, Volume 9(3), Pages 147-149  
Impact Factor: -  
DOI: -
- Estimating national road crash fatalities using aggregate data** 2016  
*Anwaar Ahmed Beenish Akbar Khan Bilal Khurshid Muhammad Babar Khan ABDUL WAHEED*  
*International Journal of Injury Control and Safety Promotion*, Volume 23, Issue 3, Pages 249-254  
Impact Factor: 0.875 | Quartile: 4 | Citations: 23  
DOI: 10.1080/17457300.2014.992352
- Rutting Susceptibility and Moisture Damage of HMA Containing Reclaimed Asphalt Pavement** 2016  
*Muhammad Humair Arshad Hussain Dr. Muhammad Bilal Khurshid Mansoor Ahmed Malik Waqas Rafiq*  
*International Journal of Scientific & Engineering Research*, Pages 1-6  
Impact Factor: N/A
- Participatory Land Use Planning in Natural Hazard's Fragile Context: A Case Study of Kalam, Pakistan** 2016  
*Muhammad Jawed Iqbal Ismail Khan Dr. Muhammad Bilal Khurshid Sadaf Saleem*  
*European Scientific Journal*, Special Edition 2016, Pages: 265-290  
Impact Factor: N/A  
DOI: <https://doi.org/10.19044/esj.2016.v12n10p%25p>
- Performance Assessment of Construction Engineering and Management (CEM) Degree Program in Developing Countries: Case of Pakistan** 2016  
*Mian Hassan Naveed Muhammad Jamaluddin Thaheem Muhammad Bilal Khurshid Rizwan Ul Haque Farooqui*  
*International Journal of Construction Education and Research*, Volume 13, Issue 1, Pages 3-23  
Impact Factor: 0 | Citations: 12  
DOI: 10.1080/15578771.2016.1183732
- Evaluation of Resilient Modulus of HMA Mixtures from Highway Construction Projects in Pakistan** 2016  
*Dr. Muhammad Bilal Khurshid Arshad Hussain Hassan Bin Tahir M. Zaeem Sheikh Abdul Waheed*  
*Journal of Basic and Applied Research International*, Volume 17, Issue. 4, Page 290-301  
Impact Factor: -  
DOI: -
- Performance variation due to air void distribution in open-graded friction course pavements** 2016  
*Nadeem Anwer Qureshi Dr. Muhammad Bilal Khurshid*

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|----------------------------------------------------------------------------------------------------------------|------|
| <i>International Journal on Pavement Engineering &amp; Asphalt Technology</i> , Volume 17, Issue 1, Pages 7-17 |      |
| <b>Impact Factor:</b> -                                                                                        |      |
| <b>DOI:</b> 10.1515/ijpeat-2016-0001                                                                           |      |
| <b>Evaluation of premature failures of open-graded friction course pavements in Alabama</b>                    | 2015 |
| <i>Nadeem Anwer Qureshi Bilal Khurshid Donald Watson</i>                                                       |      |
| <i>Canadian Journal of Civil Engineering</i> , Volume 42, Issue 12, Pages 1104-1113                            |      |
| <b>Impact Factor:</b> 0.586   <b>Quartile:</b> 3   <b>Citations:</b> 11                                        |      |
| <b>DOI:</b> DOI:10.1139/cjce-2015-0121                                                                         |      |
| <b>Investigation of Hot In-Place Recycling Effects on Hot Mix Asphalt Pavement</b>                             | 2015 |
| <i>Nadeem Anwer Qureshi Dr. Muhammad Bilal Khurshid</i>                                                        |      |
| <i>International Journal on Pavement Engineering &amp; Asphalt Technology</i> , Volume 16, Issue 2, Pages 7–20 |      |
| <b>Impact Factor:</b> -                                                                                        |      |
| <b>DOI:</b> DOI:10.1515/ijpeat-2015-0006                                                                       |      |
| <b>Laboratory evaluation of durability of open-graded friction course Mixtures</b>                             | 2015 |
| <i>Nadeem Anwer Qureshi Syed Hassan Farooq Dr. Muhammad Bilal Khurshid</i>                                     |      |
| <i>International Journal of Engineering and Technology</i> , Volume 7, No.3, Pages 956-964                     |      |
| <b>Impact Factor:</b> 0                                                                                        |      |
| <b>DOI:</b> 0000000/0000                                                                                       |      |
| <b>A framework for assessing the consequences of deferred or hastened highway asset interventions</b>          | 2015 |
| <i>Dr. Muhammad Bilal Khurshid Muhammad Irfan Anwaar Ahmed Samuel Labi</i>                                     |      |
| <i>Structure and Infrastructure Engineering</i> , Volume 11, Issue 3, Pages 282-296                            |      |
| <b>Impact Factor:</b> 1.202   <b>Quartile:</b> 2   <b>Citations:</b> 10                                        |      |
| <b>DOI:</b> DOI:10.1080/15732479.2013.875046                                                                   |      |
| <b>Framework for airfield pavements management - an approach based on cost-effectiveness analysis</b>          | 2015 |
| <i>Muhammad Irfan Muhammad Bilal Khurshid Dr Shahid Iqbal Abid Khan</i>                                        |      |
| <i>European Transport Research Review</i> , Volume 7, Article Number 13                                        |      |
| <b>Impact Factor:</b> 0.672   <b>Quartile:</b> 4   <b>Citations:</b> 18                                        |      |
| <b>DOI:</b> 10.1007/s12544-015-0165-5                                                                          |      |
| <b>Performance modeling of open-graded friction course pavements</b>                                           | 2015 |
| <i>Donald Watson Dr Bilal Khurshid Nadeem Anwer Qureshi Anwaar Ahmed</i>                                       |      |
| <i>International Journal of Pavement Research and Technology</i> , Volume:8, Issue:3, Page:192-198             |      |
| <b>Impact Factor:</b> 0   <b>Citations:</b> 1                                                                  |      |
| <b>DOI:</b> 10.6135/ijprt.org.tw/2015.8(3).192                                                                 |      |
| <b>Factors Affecting Stakeholders' Management Skills in Construction of Hydropower Projects of Pakistan</b>    | 2015 |
| <i>Bahar Ali Dr. Muhammad Bilal Khurshid Hashim Hanif</i>                                                      |      |
| <i>Science, Technology and Development Journal</i> , Volume 33(4), Pages 169-174                               |      |
| <b>Impact Factor:</b> N/A                                                                                      |      |
| <b>Marginal Pavement Damage Cost Estimation Using Field Data: Issues and Opportunities</b>                     | 2014 |
| <i>Anwaar Ahmed Dr. Muhammad Bilal Khurshid Muhammad Irfan Samuel Labi</i>                                     |      |
| <i>IRF Examiner</i> , Volume 4, Pages 6-12                                                                     |      |
| <b>Impact Factor:</b> N/A                                                                                      |      |
| <b>DOI:</b> IRF-Examiner-2014-pp-6-12                                                                          |      |
| <b>Multidimensional Benefit–Cost Evaluation of Asphaltic Concrete Overlays of Rigid Pavements</b>              | 2014 |
| <i>Muhammad Bilal Khurshid Muhammad Irfan Samuel Labi Anwaar Ahmed</i>                                         |      |
| <i>Structure and Infrastructure Engineering</i> , Volume 10, Issue 6, Pages 792-810                            |      |
| <b>Impact Factor:</b> 1.454   <b>Quartile:</b> 2   <b>Citations:</b> 21                                        |      |
| <b>DOI:</b> https://doi.org/10.1080/15732479.2013.767842                                                       |      |
| <b>Analysis of Role of Media in Disaster Reporting in Pakistan</b>                                             | 2014 |
| <i>Muhammad Jawed Iqbal Fatima Masoo Ali Bilal Khurshid Sadaf Saleem</i>                                       |      |
| <i>European Scientific Journal</i> , Volume 1, Pages 570-575                                                   |      |
| <b>Impact Factor:</b> N/A                                                                                      |      |
| <b>DOI:</b> 10.19044/esj.2014.v10n10p%25p                                                                      |      |
| <b>Utilization of Waste Polyethylene in Asphalt Mixes in Pakistan</b>                                          | 2014 |

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| <p><i>Bilal Khurshid Sarfraz Ahmed Muhammad Jawed Iqbal Muhammad Irfan</i><br/> <i>Sarhad University International Journal of Basic and Applied Sciences</i>, Volume 2, Issue 1, Pages 1-8</p> <p><b>Impact Factor:</b> N/A<br/> <b>DOI:</b> 000</p>                                                                                                                                                                                                                                                                                                               |      |
| <p><b>Analysis of Labour Productivity of Road Construction in Pakistan</b></p> <p><i>Abu Bakar Muzamil Dr. Muhammad Bilal Khurshid</i><br/> <i>International Journal of Engineering and Advanced Technology</i>, Volume-3, Issue-3, Pages 153-159</p> <p><b>Impact Factor:</b> N/A</p>                                                                                                                                                                                                                                                                             | 2014 |
| <p><b>Gender Mainstreaming in to Community Based Disaster Risk Management</b></p> <p><i>Muhammad Jawed Iqbal Muhammad Naseem Baig Haleema Sadia Muhammad Bilal Khurshid Sadaf Saleem</i><br/> <i>European Scientific Journal</i> , Volume 9, No.32, Pages 463-470</p> <p><b>Impact Factor:</b> 0<br/> <b>DOI:</b> 10.19044/esj.2013.v9n32p%25p</p>                                                                                                                                                                                                                 | 2013 |
| <p><b>An Analytical Framework for Optimizing the Highway and Civil Infrastructure Interventions</b></p> <p><i>Dr. Muhammad Bilal Khurshid Muhammad Irfan Sarfraz Ahmed Shahid Iqbal</i><br/> <i>Sarhad University International Journal of Basic and Applied Sciences</i>, Volume 1, Issue No. 1, Pages 158-166</p> <p><b>Impact Factor:</b> N/A<br/> <b>DOI:</b> <a href="https://journal.suit.edu.pk/index.php/suijbas/issue/archive">https://journal.suit.edu.pk/index.php/suijbas/issue/archive</a></p>                                                        | 2013 |
| <p><b>An analytical review of traffic congestion on murree road rawalpindi</b></p> <p><i>Dr. Muhammad Bilal Khurshid Dr.Sarfraz Ahmed Muhammad Jawed Iqbal</i><br/> <i>Sarhad University International Journal of Basic and Applied Sciences</i>, Volume 1, No. 1, Pages 167-173</p> <p><b>Impact Factor:</b> N/A</p>                                                                                                                                                                                                                                              | 2013 |
| <p><b>Establishing optimal project-level strategies for pavement maintenance and rehabilitation - A framework and case study</b></p> <p><i>Muhammad Irfan Muhammad Bilal Khurshid Samuel Labi Qiang Bai Thomas L Morin</i><br/> <i>Engineering Optimization</i> , Volume 44, Issue 5, Pages 565-589</p> <p><b>Impact Factor:</b> 0.962   <b>Quartile:</b> 2   <b>Citations:</b> 41<br/> <b>DOI:</b> <a href="https://doi.org/10.1080/0305215X.2011.588226">doi.org/10.1080/0305215X.2011.588226</a></p>                                                            | 2012 |
| <p><b>Scale and Condition Economies in asset Preservation Cost Functions – A Case Study Involving Flexible Pavement Treatments</b></p> <p><i>Muhammad Irfan Dr. Muhammad Bilal Khurshid Anwaar Ahmed Samuel Labi</i><br/> <i>Journal of Transportation Engineering</i>, Volume 138(2), Pages 218-228</p> <p><b>Impact Factor:</b> 0.863   <b>Quartile:</b> 2   <b>Citations:</b> 18<br/> <b>DOI:</b> 10.1061/(ASCE)TE.1943-5436 .0000323</p>                                                                                                                       | 2012 |
| <p><b>An analysis of the cost-effectiveness of rigid pavement rehabilitation treatments</b></p> <p><i>Muhammad Irfan Muhammad Bilal Khurshid Samuel Labi</i><br/> <i>Structure and Infrastructure Engineering</i> , Volume:7, Issue:9, Page:715-727</p> <p><b>Impact Factor:</b> 0.966   <b>Quartile:</b> 2   <b>Citations:</b> 16<br/> <b>DOI:</b> <a href="https://doi.org/10.1080/15732470902836566">doi.org/10.1080/15732470902836566</a></p>                                                                                                                  | 2011 |
| <p><b>Optimal Performance Threshold Determination for Highway Asset Interventions: Analytical Framework and Application</b></p> <p><i>Muhammad Bilal Khurshid Muhammad Irfan Samuel Labi</i><br/> <i>Journal of Transportation Engineering</i>, Volume 137(2), Pages 128-139</p> <p><b>Impact Factor:</b> 0.62   <b>Quartile:</b> 3   <b>Citations:</b> 34<br/> <b>DOI:</b> <a href="https://doi.org/10.1061/(ASCE)TE.1943-5436.0000198">https://doi.org/10.1061/(ASCE)TE.1943-5436.0000198</a></p>                                                                | 2011 |
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| <p><b>Quantifying The Factors For Quality of Pavement Rehabilitation</b></p> <p><i>Umair Imran Dr. Muhammad Bilal Khurshid Muhammad Jawed Iqbal</i></p> <p><i>10th International Civil Engineering Conference (ICEC-2019) , res.country(177,)</i></p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> Nil</p>                                                                                                                                                                | 2019 |
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| <p><b>Participatory Land Use Planning in Natural Hazard's Fragile Context: A Case Study of Kalam, Pakistan</b></p> <p><i>Muhammad Jawed Iqbal Ismail Khan Dr. Muhammad Bilal Khurshid Sadaf Saleem</i></p> <p><i>4th Mediterranean Interdisciplinary Forum on Social Sciences and Humanities, MIFS 2016, res.country(68,)</i></p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 4th Mediterranean Interdisciplinary Forum on Social Sciences and Humanities, MIFS 2016</p> | 2016 |
| <p><b>Analyzing the Effect of Congestion Pricing on Work-Trip Mode Choice Using Econometric Modeling</b></p> <p><i>Muhammad Irfan Ahmed Nader Khurshid Bilal Khurshid Anwaar Ahmed Aemal Khattak</i></p> <p><i>94th Annual Meeting of the Transportation Research Board (TRB), res.country(233,)</i></p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> Nil</p>                                                                                                             | 2015 |
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