

# Tariq Feroze

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## About

Dr. Tariq Feroze is working as Defence Faculty in the Military College of Engineering. Dr. Tariq Feroze has a PhD in Coal Mining Ventilation. Dr. Tariq Feroze has published 21 research articles & conference papers having a citation count of 76, carried out 0 projects and filed 0 intellectual property.

## Qualifications

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| <b>PhD in Coal Mining Ventilation</b><br>University of Witwatersrand , South Africa | 2012 - 2016 |
| <b>MS in Mechatronics Engineering</b><br>NUST, Islamabad , Pakistan                 | 2010 - 2011 |
| <b>BE in Mechanical Engineering</b><br>NUST, Islamabad , Pakistan                   | 1996 - 1999 |

## Experience

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| <b>Defence Faculty</b><br>Military College of Engineering | 2018- Present |
| <b>Instr CI A</b><br>MCE NUST , MCE Risalpur              | 2018 - 2023   |
| <b>Instr CI B</b><br>EME NUST , EME College               | 2011 - 2016   |
| <b>Capt/Maj</b><br>Army , Pakistan Army                   | 2000 - 2011   |

## Professional Memberships

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| PEC | Since 2000 |
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## Research Articles

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| <b>Regional variability in the performance of Solar-Green Hydrogen Hybrid Energy Systems (SGHHES): Synergistic enviro-economic analysis andevaluation across six climatic zones using multi-criteria decision analysis</b><br><i>Irtaza Bashir Dr.Yasir Ahmad Tariq Feroze Muhammad Usman Haider Ali Shams Mahwish Choudhry International Journal of Hydrogen Energy</i> , Volume:138, Pages 681-693<br><b>Impact Factor:</b> 8.300   <b>Quartile:</b> 1<br><b>DOI:</b> <a href="https://doi.org/10.1016/j.ijhydene.2025.05.193">https://doi.org/10.1016/j.ijhydene.2025.05.193</a> | 2025 |
| <b>Simulation Study on Value Cocreation Mechanism of Digital Creative Industry Innovation Ecosystem Based on SEM-SD Model</b><br><i>Kewang Cao Furong Dong Naseer Muhammad Khan Tariq Feroze Ahmed Sayed M. Metwally IEEE Transactions on Engineering Management</i> , Volume 71, Pages 11297-11314<br><b>Impact Factor:</b> 4.600   <b>Quartile:</b> 1   <b>Citations:</b> 2<br><b>DOI:</b> 10.1109/TEM.2024.3416304   | 2024 |
| <b>Prediction of rock loading stages using average infrared radiation temperature under shear and uniaxial loading</b><br><i>Liqiang Ma Naseer Muhammad Khan Tariq Feroze Mohammed Sazid Kewang Cao Sajjad Hussain Qiangqiang Gao Saad.S. Alarifi Hui Wang Infrared Physics and Technology</i> , Volume 136, Article Number: 105084, Pages: 19  | 2024 |

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| <b>Impact Factor: 3.3   Quartile: 2   Citations: 15</b><br><b>DOI: 10.1016/j.infrared.2023.105084</b>  |      |
| <b>Predicting Sandstone Brittleness under Varying Water Conditions Using Infrared Radiation and Computational Techniques</b><br><i>Naseer Muhammad Khan Liqiang Ma Muhammad Zaka Emad Tariq Feroze Qiangqiang Gao Saad.S. Alarifi Li Sun Sajjad Hussain Hui Wang</i><br><i>Water</i> , Volume:16, Issue: 1, Article Number: 143<br><b>Impact Factor: 3.4   Quartile: 2   Citations: 5</b><br><b>DOI: 10.3390/w16010143</b>   | 2023 |
| <b>Investigating average infrared radiation temperature characteristics during shear and tensile cracks in sandstone under different water contents</b><br><i>Naseer Muhammad Khan Liqiang Ma Tariq Feroze Dangliang Wang Kewang Cao Qiangqiang Gao Hui Wang Sajjad Hussain Zhitao Zhang Saad.S. Alarifi</i><br><i>Infrared Physics and Technology</i> , Volume 135, Article Number 104968<br><b>Impact Factor: 3.3   Quartile: 2   Citations: 6</b><br><b>DOI: 10.1016/j.infrared.2023.104968</b> | 2023 |
| <b>A CFD investigation of the design variables affecting the performance of finned-tube heat exchangers</b><br><i>Hussaini Syed Mujtaba Tariq Feroze Ahmad Hanan Haider Ali Shams</i><br><i>Journal of Thermal Engineering</i> , Volume 9, No. 4, Pages 1041-1052<br><b>Impact Factor: N/A   Citations: 1</b><br><b>DOI: 10.18186/thermal.1333937</b>  | 2023 |
| <b>Infrared Precursor Experiment to Predict Water Inrushes in Underground Spaces Using a Multiparameter Normalization</b><br><i>Kewang Cao Furong Dong Liqiang Ma Naseer Muhammad Khan Tariq Feroze Saad.S. Alarifi Sajjad Hussain Muhammad Ali</i><br><i>Sustainability</i> , Volume 15, Issue 9, Article Number 7570<br><b>Impact Factor: 3.9   Quartile: 2   Citations: 9</b><br><b>DOI: doi.org/10.3390/su15097570</b>   | 2023 |
| <b>Job Strain and Turnover Intentions: Evaluating Impact of Emotional Exhaustion and Perceived Supervisor Support in the Construction Industry of Pakistan</b><br><i>Sarwat Razzaqi Haider Ali Shams Tariq Feroze</i><br><i>ISSRA Papers</i> , Volume 14, Pages 1-17<br><b>Impact Factor: N/A</b><br><b>DOI: https://issrapapers.ndu.edu.pk/site/article/view/119</b>  | 2023 |
| <b>Development of Multiscale Composite with Hybrid Natural Nanofibers</b><br><i>Tariq Feroze Javed A.K. Tipu Syed Usman Rafiq Muhammad Arif Adnan Aslam Noon Hafiz Waqar Ahmad Umer Masood Chaudry Tea-sung Jun</i><br><i>Materials</i> , Volume 15, Issue 13, Article Number 4622<br><b>Impact Factor: 3.748   Quartile: 1   Citations: 1</b><br><b>DOI: doi.org/10.3390/ma15134622</b>   | 2022 |
| <b>Performance Evaluation of a Single Cylinder Compressed Air Engine: An Experimental Study</b><br><i>Ahmad Hanan Tariq Feroze Awais Arif Hasan Iftikhar Afzaal A. Khan Sarmad Javaid</i><br><i>Acta Mechanica et Automatica</i> , Volume 16, Issue 2, Pages 119-123<br><b>Impact Factor: N/A   Citations: 1</b><br><b>DOI: 10.2478/ama-2022-0015</b>  | 2022 |
| <b>Stressors, Stress and Impulsive Buying Behavior: Moderating Role of Emotional Intelligence</b><br><i>Haider Ali Shams Sajjad Hussain Tariq Feroze Saqib Ahmed Saki Mohsin Ali Shams Kamran Abbasi Saqib Munir</i><br><i>International Journal of Business and Economic Affairs</i> , Vol:06, No:03<br><b>Impact Factor: N/A</b><br><b>DOI: 10.24088/IJBEA-2021-63005</b>  | 2021 |
| <b>Analysis of the performance optimisation parameters of shell and tube heat exchanger using CFD</b><br><i>Umer Zahid Ahmad Hanan Tariq Feroze Sohaib Khan</i><br><i>Australian Journal of Mechanical Engineering</i> , Pages 1-14<br><b>Impact Factor: N/A   Citations: 5</b><br><b>DOI: 10.1080/14484846.2021.1914890</b>   | 2021 |
| <b>Building International Capacity in Mining Engineering: The NUST-WITS Mining Educational Collaboration</b><br><i>Tariq Feroze Frederick Cawood Sarfraz Ali Hamid Ashraf</i><br><i>Inzynieria Mineralna-Journal of the Polish Mineral Engineering Society</i> , Volume 2, Pages 311-322   | 2020 |

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| <b>Impact Factor:</b> 0<br><b>DOI:</b> <a href="http://doi.org/10.29227/IM-2020-02-37">http://doi.org/10.29227/IM-2020-02-37</a>  |      |
| <b>Piano Key Identification using LabVIEW</b><br><i>Nada Masood Mirza Tariq Feroze</i><br><i>TEM Journal</i> , Volume 9, Issue 1, Pages 88-92<br><b>Impact Factor:</b> -   <b>Citations:</b> 4<br><b>DOI:</b> DOI: 10.18421/TEM91-13  | 2020 |
| <b>Ventilation of underground coal mines - A Computational Fluid Dynamics study</b><br><i>Tariq Feroze Bekir Genc</i><br><i>Journal of the Mine Ventilation Society of South Africa</i> , Volume 71, No. 1, Pages 22-26<br><b>Impact Factor:</b> N/A<br><b>DOI:</b> no doi  | 2018 |
| <b>Evaluation of line brattice length in an empty heading to improve air flow rate at the face using CFD</b><br><i>Tariq Feroze</i><br><i>International Journal of Mining Science and Technology</i> , Volume 27, Issue 2, Pages 253-259<br><b>Impact Factor:</b> 0   <b>Citations:</b> 21<br><b>DOI:</b> <a href="https://doi.org/10.1016/j.ijmst.2017.01.012">https://doi.org/10.1016/j.ijmst.2017.01.012</a>                           | 2017 |
| <b>A CFD model to evaluate variables of the line brattice ventilation system in an empty heading</b><br><i>Bekir Genc Bekir Genc Tariq Feroze</i><br><i>Journal of South African Institute of Mining and Metallurgy</i> , Volume 117, Pages 97-108<br><b>Impact Factor:</b> 0.339   <b>Quartile:</b> 4<br><b>DOI:</b> <a href="http://dx.doi.org/10.17159/2411-9717/2017/v117n2a1">http://dx.doi.org/10.17159/2411-9717/2017/v117n2a1</a> | 2017 |
| <b>Analysis of ducted fan system variables on ventilation in an empty heading using CFD</b><br><i>Bekir Genc Tariq Feroze</i><br><i>Journal of South African Institute of Mining and Metallurgy</i> , Volume 117, Pages 157-167<br><b>Impact Factor:</b> 0.339   <b>Quartile:</b> 4<br><b>DOI:</b> <a href="http://dx.doi.org/10.17159/2411-9717/2017/v117n2a7">http://dx.doi.org/10.17159/2411-9717/2017/v117n2a7</a>                    | 2017 |
| <b>Estimating the effects of line brattice ventilation system variables in an empty heading in room and pillar mining using CFD</b><br><i>Tariq Feroze B. Genc</i><br><i>Journal of South African Institute of Mining and Metallurgy</i> , Volume 116(12), Pages 1143-1152<br><b>Impact Factor:</b> 0.300   <b>Quartile:</b> 4   <b>Citations:</b> 6<br><b>DOI:</b> 10.17159/2411-9717/2016/v116n12a8                                     | 2016 |

## Conference Proceedings

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| <b>Air Quality Monitoring - An Arduino Based Real Time Approach</b><br><i>Tariq Feroze Rana Muhammad Asad Khan Haider Ali Shams</i><br><i>International Conference on Energy, Water and Environment – ICEWE-2021</i> , res.country(177,)<br><b>Citations:</b> N/A<br><b>DOI:</b> Nil | 2021 |
| <b>Air Flow Pattern Analysis of Line Brattice Ventilation System Using CFD</b><br><i>Tariq Feroze Bekir Genc</i><br><i>25th International Mining Congress and Exhibition of Turkey (IMCET 15)</i> , res.country(224,)<br><b>Citations:</b> N/A<br><b>DOI:</b> no doi                 | 2017 |