

Attia Batool

Assistant Professor  
School of Natural Sciences

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About

Dr. Attia Batool is working as Assistant Professor in the School of Natural Sciences. Dr. Attia Batool has a PhD in statistical physics. Dr. Attia Batool has published 4 research articles & conference papers having a citation count of 12, carried out 0 projects and filed 0 intellectual property.

Qualifications

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| <b>PhD in statistical physics</b><br>University of Debrecen , Hungary               | 2018 - 2023 |
| <b>MPhil in Solid state Physics</b><br>Azad Jammu and Kashmir University , Pakistan | 2014 - 2016 |
| <b>MSc in Physics</b><br>Azad Jammu and Kashmir University , Pakistan               | 2010 - 2012 |
| <b>BSc in Double math Physics</b><br>Azad Jammu and Kashmir University , Pakistan   | 2008 - 2010 |

Experience

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| <b>Assistant Professor</b><br>School of Natural Sciences | 2025- Present |
| <b>Assistant Professor</b><br>School of Natural Sciences | 2024 - 2024   |

Research Articles

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| <b>Failure process of fiber bundles with random misalignment</b><br><i>Kun Ferenc Lynet Allan Attia Batool Zsuzsa Danku Gergő Pál</i><br><i>Physical Review Research</i> , Volume 6, Issue 3, Article Number 033344<br><b>Impact Factor:</b> 3.500   <b>Quartile:</b> 1<br><b>DOI:</b> <a href="https://doi.org/10.1103/PhysRevResearch.6.033344">https://doi.org/10.1103/PhysRevResearch.6.033344</a>                                                            | 2024 |
| <b>Scaling laws of failure dynamics on complex networks</b><br><i>Gergő Pál Zsuzsa Danku Viktória Kádár Naoki Yoshioka Nobuyasu Ito Géza Ódor Kun Ferenc Attia Batool</i><br><i>Scientific Reports</i> , Volume 13, Article Number: 19733<br><b>Impact Factor:</b> 3.800   <b>Quartile:</b> 1   <b>Citations:</b> 1<br><b>DOI:</b> <a href="https://doi.org/10.1038/s41598-023-47152-2">https://doi.org/10.1038/s41598-023-47152-2</a>                            | 2023 |
| <b>Temporal evolution of failure avalanches of the fiber bundle model on complex networks</b><br><i>Gergő Pál Zsuzsa Danku Kun Ferenc Attia Batool</i><br><i>Chaos: An Interdisciplinary Journal of Nonlinear Science</i> , Volume 32, Issue 6, Article Number 063121<br><b>Impact Factor:</b> 2.900   <b>Quartile:</b> 1   <b>Citations:</b> 3<br><b>DOI:</b> 10.1063/5.0089634                                                                                  | 2022 |
| <b>Transition from localized to mean field behaviour of cascading failures in the fiber bundle model on complex networks</b><br><i>Gergő Pál Zsuzsa Danku Ferenc Kun Attia Batool</i><br><i>Chaos, Solitons &amp; Fractals</i> , Volume 159, Article Number 112190<br><b>Impact Factor:</b> 7.800   <b>Quartile:</b> 1   <b>Citations:</b> 8<br><b>DOI:</b> <a href="https://doi.org/10.1016/j.chaos.2022.112190">https://doi.org/10.1016/j.chaos.2022.112190</a> | 2022 |