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Assistant Professor

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About

Dr. Muhammad Zubair Ali Moughal is working as Assistant Professor in the College of Electrical & Mechanical Engineering. Dr. Muhammad Zubair Ali Moughal has a PhD in Mathematics. Dr. Muhammad Zubair Ali Moughal has published 6 research articles & conference papers having a citation count of 16, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Mathematics 2017 - 2021

University of Waikato , New Zealand

MPhil in Mathematics 2013 - 2015

Quaid-i-Azam University , Pakistan

MSc in Mathematics 2011 - 2013

Quaid-i-Azam University , Pakistan

BSc in Mathematics and Physics 2008 - 2010

University of the Punjab , Pakistan

Experience

Assistant Professor 2021- Present

College of Electrical & Mechanical Engineering

Research Articles

Energy extraction from rotating black hole with quintessential energy through the Penrose process 2025

K Q Abbasi F.L. Carneiro Muhammad Zubair Ali Moughal

Physics Letters B, Volume:867, Article Number 139592

Impact Factor: 4.500 | **Quartile:** 1

DOI: https://doi.org/10.1016/j.physletb.2025.139592

Universal thermodynamic topological classes of black holes in perfect fluid dark matter background 2025

Muhammad Rizwan Mubasher Jamil Muhammad Zubair Ali Mughal

European Physical Journal C, Volume 85, Article Number 359

Impact Factor: 4.200 | **Quartile:** 2 | **Citations:** 1

DOI: 10.1140/epjc/s10052-025-14070-8

Accretion with Back-Reaction onto Cylindrically Symmetric Black Hole with EnergyConditions Analysis 2025

Muhammad Zubair Ali Mughal Kamran Qadir Abbasi

Chinese Physics C, Volume 49, No. 5, Article Number 055104

Impact Factor: 3.600 | **Quartile:** 1

DOI: https://doi.org/10.1088/16741137/adb70c

Transition analysis of the non-OT G2 stiff fluid spike solution 2021

W C Lim Muhamad Zubair Ali Mughal

Classical and Quantum Gravity, Volume 39, Number 2, Article Number 025010

Impact Factor: 3.853 | **Quartile:** 2 | **Citations:** 1

DOI: https://doi.org/10.1088/1361-6382/ac3b9a

Cylindrical spikes 2021

Muhamad Zubair Ali Mughal W C Lim

Classical and Quantum Gravity, Volume 38(7), Article Number 075029

Impact Factor: 3.528 | **Quartile:** 2 | **Citations:** 3

DOI: https://doi.org/10.1088/1361-6382/abe755

Charged fermions tunneling from stationary axially symmetric black holes with generalized uncertainty principle 2019

Muhammad Rizwan Muhammad Zubair Ali Mughal Ali Övgün

Modern Physics Letters A, Volume 34, Issue 23, Article Number 1950184

Impact Factor: 1.391 | **Quartile:** 2 | **Citations:** 11

DOI: 10.1142/S0217732319501840