

# Muzammal Iqbal Shaukat

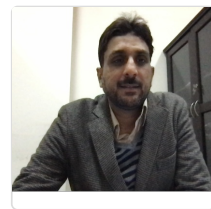
Assistant Professor

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## About

Dr. Muzammal Iqbal Shaukat is working as Assistant Professor in the School of Natural Sciences. Dr. Muzammal Iqbal Shaukat has a PhD in Quantum Information Theory/Condensed Matter Physics. Dr. Muzammal Iqbal Shaukat has published 7 research articles & conference papers having a citation count of 60, carried out 0 projects and filed 0 intellectual property.

## Qualifications

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|--------------------------------------------------------------------------------------------------------|-------------|
| <b>PhD in Quantum Information Theory/Condensed Matter Physics</b><br>Universidade de Lisboa , Portugal | 2015 - 2019 |
| <b>MPhil in Quantum Information Theory</b><br>Quaid-i-Azam University , Pakistan                       | 2008 - 2010 |
| <b>MSc in Physics</b><br>Quaid-i-Azam University , Pakistan                                            | 2006 - 2008 |
| <b>BSc in Math-A, Math-B, Physics</b><br>BZU, Multan , Pakistan                                        | 2003 - 2005 |

## Experience

|                                                                                                                                                                            |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Assistant Professor</b><br>School of Natural Sciences                                                                                                                   | 2025- Present |
| <b>Assistant Professor</b><br>School of Natural Sciences                                                                                                                   | 2023 - 2023   |
| <b>Assistant Professor</b><br>School of Natural Sciences                                                                                                                   | 2021 - 2023   |
| <b>Postdoctoral Researcher</b><br>Instituto de Telecomunicacoes, , Instituto de Telecomunicacoes, Lisbon, Portugal                                                         | 2019 - 2021   |
| <b>Assistant Professor</b><br>University of Engineering and Technology, Lahore (RCET Campus), , University of Engineering and Technology, Lahore (RCET Campus), Gujranwala | 2014 - 2015   |
| <b>Lecturer</b><br>University of Engineering and Technology, Lahore (RCET Campus) , University of Engineering and Technology, Lahore (RCET Campus), Gujranwala             | 2010 - 2014   |
| <b>Research Associate</b><br>QuaiD-I-Azam University, Islamabad , QuaiD-I-Azam University, Islamabad                                                                       | 2009 - 2010   |

### Superdense coding for V-shaped channel and cylindrical geometry

2023

*Ansha Tayyab Seerat Javed Muzzamal Iqbal Shaukat*

*Physica Scripta*, Volume 98, Issue 9, Article Number 095109

**Impact Factor:** 2.9 | **Quartile:** 2 | **Citations:** 2

**DOI:** <https://doi.org/10.1088/1402-4896/aced26>

### Spatial solitons in an electrically driven graphene multilayer medium

2022

*Muzzamal Iqbal Shaukat Monatsir Qasymeh Hichem Eleuch*

*Scientific Reports*, Volume 12, Article Number 10931

**Impact Factor:** 4.996 | **Quartile:** 2 | **Citations:** 6

**DOI:** <https://doi.org/10.1038/s41598-022-15179-6>

### Nonreciprocal quantum correlations and dense coding

2022

*Muzzamal Iqbal Shaukat*

*Physical Review A*, Volume 105, Issue 6, Article Number 062426

**Impact Factor:** 2.971 | **Quartile:** 2 | **Citations:** 4

**DOI:** <https://doi.org/10.1103/PHYSREVA.105.062426>

### Super Dense Coding with Dark-Soliton Qubits

2022

*Muzzamal Iqbal Shaukat*

*International Journal of Theoretical Physics*, Volume 61, Article Nnumber: 28

**Impact Factor:** 1.4 | **Quartile:** 3 | **Citations:** 1

**DOI:** 10.1007/s10773-022-04996-0

### Entanglement sudden death with quasi-static approximation

2022

*Muzzamal Iqbal Shaukat*

*European Physical Journal Plus*, Volume 137, Article Number: 205

**Impact Factor:** 3.911 | **Quartile:** 1 | **Citations:** 3

**DOI:** 10.1140/epjp/s13360-022-02411-5

### Slow sound in matter-wave dark soliton gases

2019

*Muzammal Iqbal Shaukat Eduardo V. Castro Hugo Tercas*

*Physical Review B*, Volume 99, Issue 20, Article Number 205408

**Impact Factor:** 3.575 | **Quartile:** 2 | **Citations:** 5

**DOI:** 10.1103/PhysRevB.99.205408

### Quantum dark solitons as qubits in Bose-Einstein condensates

2017

*Muzammal Iqbal Shaukat Eduardo V. Castro Hugo Tercas*

*Physical Review A*, Volume 95, Issue 5, Article Number 053618

**Impact Factor:** 2.909 | **Quartile:** 1 | **Citations:** 39

**DOI:** <https://doi.org/10.1103/PhysRevA.95.053618>