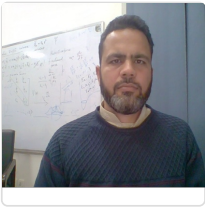


# Muddasir Ali Shah

Assistant Professor  
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## About

Dr. Muddasir Ali Shah is working as Assistant Professor in the School of Natural Sciences. Dr. Muddasir Ali Shah has a PhD in Plasma Physics. Dr. Muddasir Ali Shah has published 19 research articles & conference papers having a citation count of 130, carried out 1 projects and filed 0 intellectual property.

## Qualifications

<b>PhD in Plasma Physics</b> GC University , Pakistan	2007 - 2012
<b>MPhil in Plasma Physics</b> GC University , Pakistan	2004 - 2007
<b>MSc in Physics</b> Quaid-i-Azam University , Pakistan	2001 - 2003
<b>BSc in Math Physics</b> University of the Punjab , Pakistan	1998 - 2000
<b>F.Sc in Science</b> FBISE, Islamabad , Pakistan	1996 - 1998
<b>Matric (SSC) in Physics Math Chemistry Computer</b> FBISE, Islamabad , Pakistan	1994 - 1996

## Experience

<b>Assistant Professor</b> School of Natural Sciences	2023- Present
<b>Assistant Professor</b> School of Natural Sciences	2022 - 2023
<b>Assistant Professor</b> School of Natural Sciences	2013 - 2022
<b>Assistant Professor</b> School of Natural Sciences	2013 - 2013
<b>Assistant Professor</b> School of Natural Sciences	2012 - 2013
<b>Lecturer</b> GCU, , GCU, Lahore	2008 - 2012

## Industry Projects

<b>National Projects</b>	
<b>Career Orientation Test Development</b> <b>Client:</b> Merafuture <b>Amount:</b> PKR 1,200,000.00 <b>Status:</b> Completed	2020

## International Projects

## Research Articles

<b>Spacecraft Charging Due To Energetic Electrons and Ions at Geosynchronous Altitudes</b> <i>Fareeha Pervaiz Shahid Ali Muddasir Ali Shah Shu T. Lai</i> <i>Journal of Geophysical Research: Space Physics</i> , Volume 128, Issue 1, Article Number e2022JA030642 <b>Impact Factor:</b> 3.111   <b>Quartile:</b> 2   <b>Citations:</b> 2 <b>DOI:</b> <a href="https://doi.org/10.1029/2022JA030642">https://doi.org/10.1029/2022JA030642</a>	2023
<b>Variation in the propagation characteristics of extraordinary mode with density, magnetic field and temperature in a relativistic plasma environment</b> <i>Muddasir Ali Shah Waseem Khan</i> <i>Physica Scripta</i> , Volume 97, Issue 10, Article Number 105603 <b>Impact Factor:</b> 3.081   <b>Quartile:</b> 2   <b>Citations:</b> 1 <b>DOI:</b> <a href="https://doi.org/10.1088/1402-4896/ac9092">https://doi.org/10.1088/1402-4896/ac9092</a>	2022
<b>Propagation characteristics of parallel propagating waves in a relativistic magnetized electron plasma</b> <i>Waseem Khan Muddasir Ali Shah Ayesha Kanwal Huzaifa Bilal Tajammal H Khokhar Yousaf Habib</i> <i>Journal of Plasma Physics</i> , Volume 88, Issue 1, Article Number 905880101 <b>Impact Factor:</b> 2.691   <b>Quartile:</b> 2   <b>Citations:</b> 2 <b>DOI:</b> <a href="https://doi.org/10.1017/S0022377821001227">https://doi.org/10.1017/S0022377821001227</a>	2022
<b>Dispersive Features of Plasma Waves in Nano-Waveguide Systems</b> <i>Muddasir Ali R. Ayesha A. Rasheed I. Zeba M. Jamil</i> <i>Arabian Journal for Science and Engineering</i> , Pages 1-6 <b>Impact Factor:</b> 2.807   <b>Quartile:</b> 2 <b>DOI:</b> <a href="https://doi.org/10.1007/s13369-021-06115-3">https://doi.org/10.1007/s13369-021-06115-3</a>	2021
<b>Low frequency hybrid instability in semi-relativistic GaAs Plasmas</b> <i>Aneesa Iqbal Muddasir Ali Muhammad Jamil Abdur Rasheed</i> <i>Physica Scripta</i> , Volume 96(12), Article Number 125605 <b>Impact Factor:</b> 3.081   <b>Quartile:</b> 2   <b>Citations:</b> 1 <b>DOI:</b> <a href="https://doi.org/10.1088/1402-4896/ac1cf5">https://doi.org/10.1088/1402-4896/ac1cf5</a>	2021
<b>Parallel Propagating Waves in Weakly Magnetized Relativistic Electron Plasma</b> <i>Waseem Khan Muddasir Ali Yousuf Habib</i> <i>IEEE Transactions on Plasma Science</i> , Volume 48(9), Pages 2996-3000 <b>Impact Factor:</b> 1.222   <b>Quartile:</b> 4   <b>Citations:</b> 4 <b>DOI:</b> 10.1109/TPS.2020.3014667	2020
<b>Shock waves in a rotating non-Maxwellian viscous dusty plasma</b> <i>Zahida Ehsan Muhammad M. Abbasi Samiran Ghosh Majid Khan Muddasir Ali</i> <i>Contributions to Plasma Physics</i> , Article Number e202000030, Pages 1-16 <b>Impact Factor:</b> 1.563   <b>Quartile:</b> 3   <b>Citations:</b> 14 <b>DOI:</b> DOI: 10.1002/ctpp.202000030	2020
<b>Characteristics of ordinary mode in fully relativistic electron plasma</b> <i>Waseem Khan Muddasir Ali Yousaf Habib</i> <i>Plasma Physics and Controlled Fusion</i> , Volume 62(5), Article Number 055016 <b>Impact Factor:</b> 2.458   <b>Quartile:</b> 2   <b>Citations:</b> 4 <b>DOI:</b> <a href="https://doi.org/10.1088/1361-6587/ab8133">https://doi.org/10.1088/1361-6587/ab8133</a>	2020
<b>Effects of Electrons on the Propagation of Bernstein Waves in a Nonrelativistic Symmetric and Asymmetric Pair Ion Plasma</b> <i>Waseem Khan Muddasir Ali Zahida Ehsan</i> <i>IEEE Transactions on Plasma Science</i> , Volume 48 (3), Pages 643-646 <b>Impact Factor:</b> 1.222   <b>Quartile:</b> 4 <b>DOI:</b> 10.1109/TPS.2020.2968850	2020
<b>Electron cyclotron modes of Bernstein waves in different plasma environments</b> <i>Waseem Khan Muddasir Ali Yousaf Habib</i> <i>Plasma Research Express</i> , Volume 2(1), Article Number 015004 <b>Impact Factor:</b> -   <b>Citations:</b> 4 <b>DOI:</b> <a href="https://doi.org/10.1088/2516-1067/ab69d8">https://doi.org/10.1088/2516-1067/ab69d8</a>	2020
<b>Propagation of Bernstein waves in weakly relativistic pair ion plasma</b> <i>Muddasir Ali Shah Waseem Khan Zahida Ehsan</i> <i>Physics of Plasmas</i> , Volume 26, Issue 10, Article Number 102101	2019

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**DOI:** <https://doi.org/10.1063/1.5114886>
- On the dispersion characteristics of relativistic obliquely propagating Bernstein wave in a degenerate electron plasma** 2018  
*S. Noreen Gohar Abbas M. Sarfraz Muddasir Ali*  
*AIP Advances*, Volume: 8, Issue: 10, Article Number 105205  
**Impact Factor: 1.579 | Quartile: 3 | Citations: 6**  
**DOI:** 10.1063/1.5037434
- Overlapping of the harmonics of the cyclotron frequency in the Bernstein waves due to relativistic effects** 2018  
*Muddasir Ali Waseem Khan Zafar Iqbal Gohar Abbas Zahida Ehsan*  
*Physics of Plasmas*, Volume: 25 Issue: 10  
**Impact Factor: 1.913 | Quartile: 3 | Citations: 7**  
**DOI:** 10.1063/1.5027773
- Study of the O-mode in a relativistic degenerate electron plasma** 2017  
*Muddasir Ali Shah Azra Kalsoom Azhar Hussain*  
*Plasma Science and Technology*, Volume: 19, Issue: 3, Article Number: 035001  
**Impact Factor: 1.070 | Quartile: 4 | Citations: 4**  
**DOI:** 10.1088/2058-6272/19/3/035001
- Dust-lower-hybrid instability with fluctuating charge in quantum plasmas** 2015  
*Muhammad Jamil Muddasir Ali Shah Abdur Rasheed Zubia Kiran M. Salimullah*  
*Physics of Plasmas*, Volume 22, Issue 3, Article No.032107  
**Impact Factor: 2.207 | Quartile: 2 | Citations: 16**  
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- On the damping of right hand circularly polarized waves in spin quantum plasmas** 2014  
*Zafar Iqbal Azhar Hussain Ghulam Murtaza Muddasir Ali Shah*  
*Physics of Plasmas*, Volume: 21, Issue: 12, Article Number: 122118  
**Impact Factor: 2.142 | Quartile: 2 | Citations: 24**  
**DOI:** 10.1063/1.4904816
- Study of high frequency parallel propagating modes in a weakly magnetized relativistic degenerate electron plasma** 2012  
*Gohar Abbas Muhammad Faraz Bashir Muddasir Ali Shah Ghulam Murtaza*  
*Physics of Plasmas*, Volume: 19, Issue: 3, Article Number: 032103  
**Impact Factor: 2.376 | Quartile: 2 | Citations: 16**  
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- Relativistic Bernstein waves in a degenerate plasma** 2011  
*Muddasir Ali Azhar Hussain Ghulam Murtaza*  
*Physics of Plasmas*, Volume: 18, Issue: 9, Article Number: 092104  
**Impact Factor: 2.147 | Quartile: 2 | Citations: 10**  
**DOI:** 10.1063/1.3632080
- Propagation of Ordinary and Extraordinary Modes in Ultra-Relativistic Maxwellian Electron Plasma** 2010  
*Sadia Zaheer Ghulam Murtaza Muddasir Ali*  
*Progress of Theoretical Physics*, Volume: 124, Issue: 6, Pages: 1083-1095  
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