

# Seminar Invitation: Solutions of Modified Nonlinear Schrödinger Equation Using Two Analytical Techniques

Speaker: **Muhammad Zubair Raza** from Department of Mathematics, University of the Punjab, Lahore

## Speakers' Brief Introduction

Mr. Muhammad Zubair Raza is an MPhil scholar working under the supervision of Dr. Maasoomah Sadaf. The field of research of a student is Computational Mathematics, specializing in Differential Equations.



## Abstract

Nonlinear partial differential equations and the solutions to those equations have developed as an important topic because their exact outcomes lead to a better understanding of many physical challenges that arise in a number of scientific subfields. As a result, a number of techniques for obtaining precise solutions to nonlinear partial differential equations have been devised. Using two efficient methods, this talk seeks accurate solutions to the Modified Nonlinear Schrödinger Equation.

## Departmental Seminar Series

The Seminar Series serves as a platform to showcase and celebrate the remarkable work carried out by our researchers, scholars, and experts. It provides an avenue for knowledge dissemination and collaboration, creating an environment that nurtures innovative ideas and drives groundbreaking research. We proudly acknowledge and celebrate the remarkable contribution of Prof. Dr. Muhammad Sharif in introducing this seminar series back in 2005. The Seminar Series encompasses a wide range of topics, spanning various disciplines, ensuring that it caters to our institute's community's diverse interests and expertise. Through these seminars, we aim to cultivate an environment of intellectual curiosity, stimulating meaningful discussions, and fostering interdisciplinary collaborations.



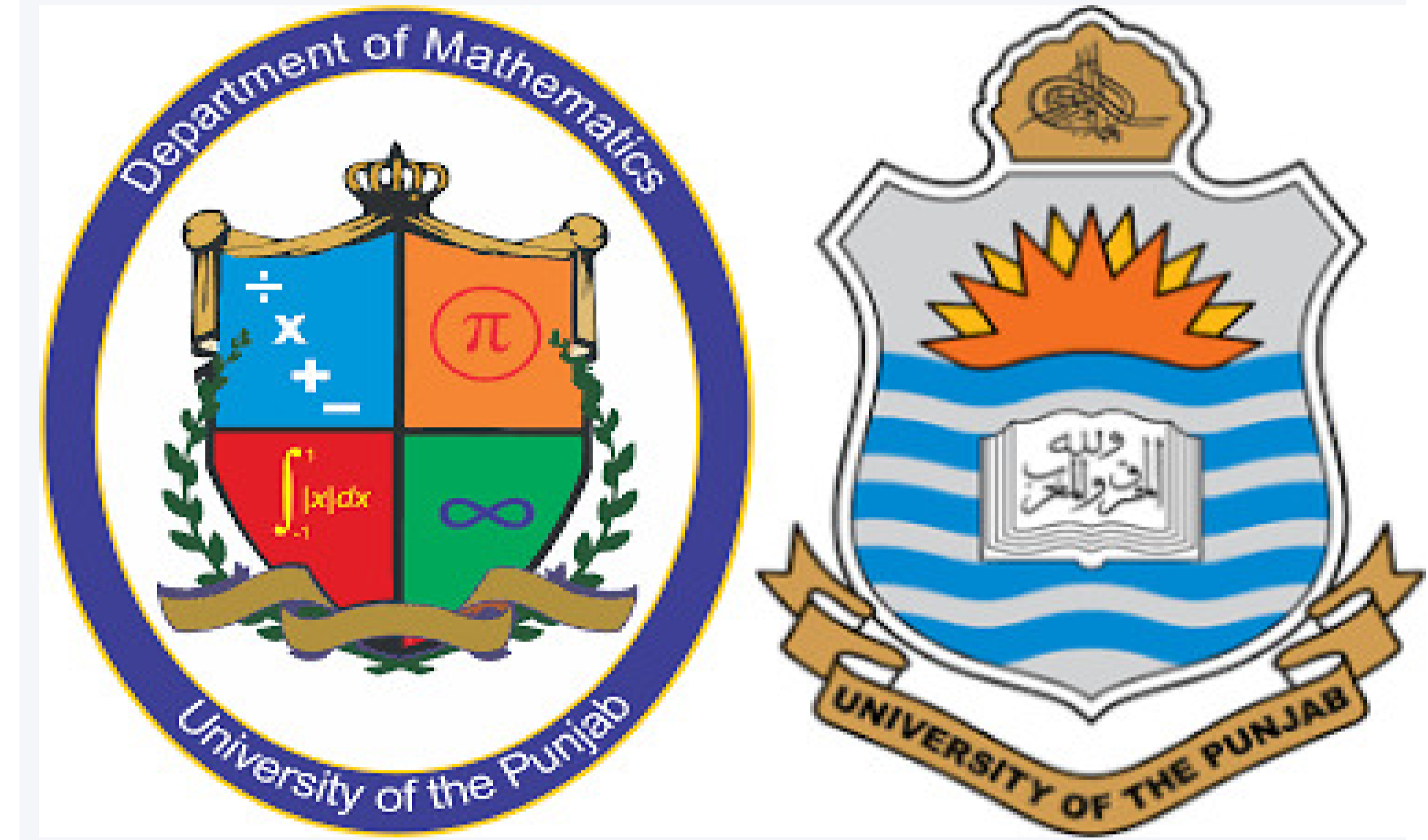
## Please join us for this Presentation

**When:** Wednesday 12th July 2023; 09:15AM-09:30AM

**Where:** Computer Lab, Department of Mathematics, PU, Lahore

**Note:** All faculty members and research scholars (MPhil/PhD) are invited to attend this seminar.

## Chairman Message



It is my honor to witness the passion and dedication that our faculty and students bring to the study of this beautiful discipline. I encourage our faculty members to create a supportive environment that nurtures and promotes mathematical research. I urge each and every one of you, regardless of your level of experience, to actively participate in mathematical research and contribute to the growth of our research community. It is our collective responsibility to create an ecosystem that encourages and facilitates research pursuits.

## Coordinator Departmental Seminar Series

**Dr. Zeeshan Yousaf**

Associate Professor

Department of Mathematics, University of the Punjab, Lahore