Seminar Invitation: A variety of new rogue wave patterns for three coupled nonlinear Maccari's equation in complex form

Speaker: **Beenish Rani** from Department of Mathematics, University of the Punjab, Lahore

Abstract

This study utilizes the Truncated Painlev´e Approach to investigate the three coupled nonlinear Maccari's equation in complex form. The localized solutions have been found using the suggested approach in terms of arbitrarily defined functions. We obtained the multi-rogue waves, rogue wave doublet, and lump solutions by using the appropriate arbitrarily defined functions that are already obtained in the solution.

Speakers' Brief Introduction

Ms. Beenish Rani is an MPhil scholar working under the supervision of Dr. Nauman Raza. The field of research of a student is Computational Mathematics, specializing in Partial Differential Equations.
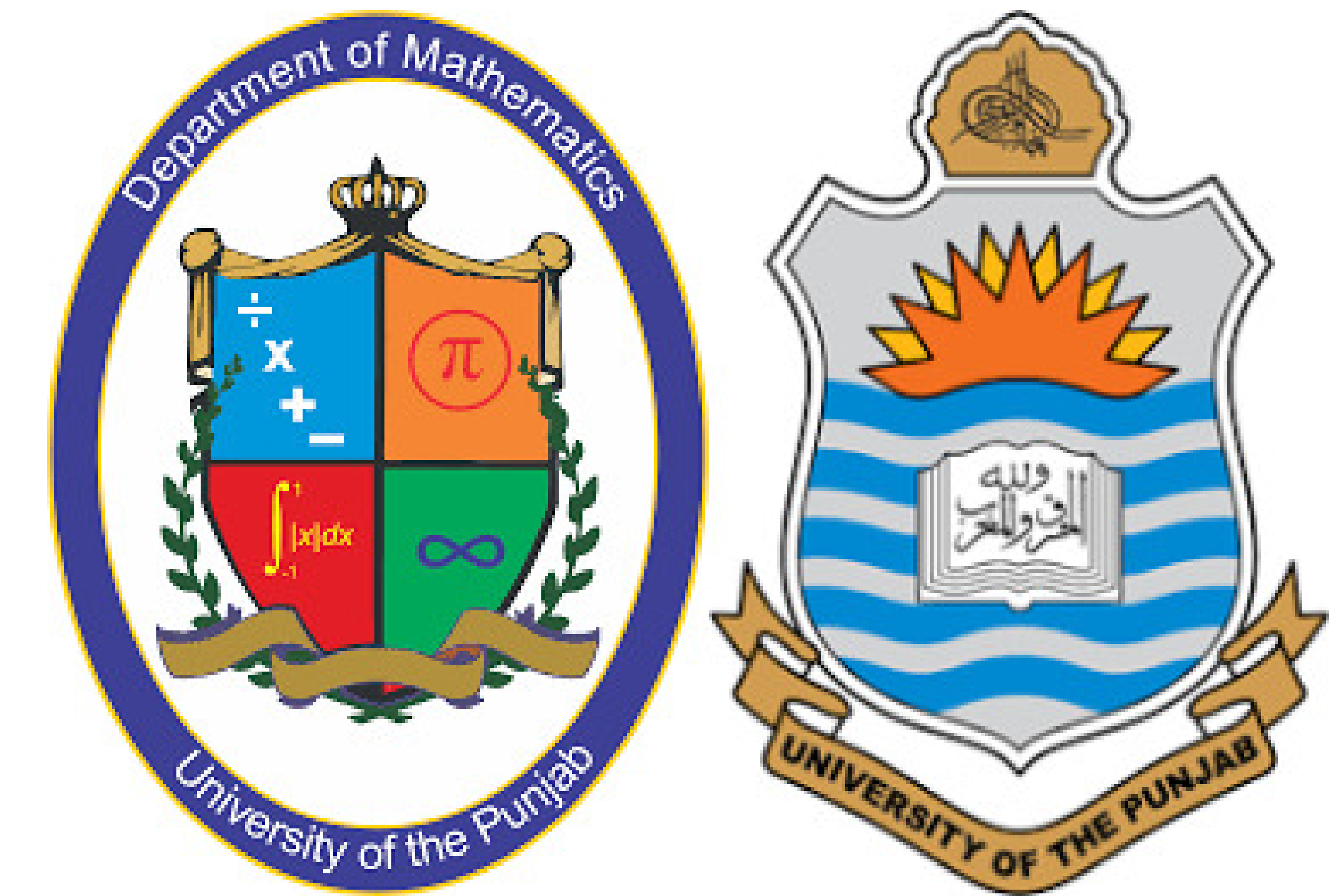
Departmental Seminar Series

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 the diverse interests and expertise of our institute's community. Through these seminars, we aim to cultivate an environment of intellectual curiosity, stimulating meaningful discussions, and promoting interdisciplinary collaborations.

Please join us for this Presentation

When: Tuesday 11th July 2023; 02:15PM-02:30PM
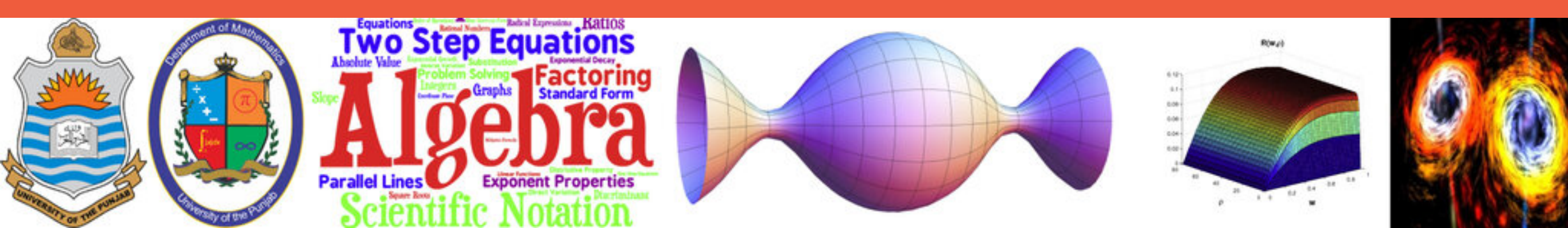**Where:** Computer Lab, Department of Mathematics, University of the Punjab, Lahore

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
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