



Department of Mathematics
Faculty of Science / University of Peradeniya



Dr. P.G.R.S. Ranasinghe

B.Sc. (Perad.), Ph.D. (UCF, USA)

Head of the Department / Senior Lecturer

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About Me

Currently, I'm working as a Senior Lecturer at the Department of Mathematics, University of Peradeniya. I received my PhD from University of Central Florida, USA in Summer 2018 under the supervision of Professor Xin Li in the field of Approximation Theory. I resumed duties at the Math Department in August 2018. Since then undergraduate and postgraduate students are working with me in the fields of Complex Analysis, Number Theory, and Cryptography. I'm also the Coordinator of the Industrial Mathematics MSc Degree program at the Postgraduate Institute of Science.

Higher Education Qualifications

🎓 **PhD**

University of Central Florida
USA

🎓 **MSc**

University of Central Florida
USA

🎓 **BSc**

University of Peradeniya
Sri Lanka

Awards, Scholarships, Memberships & Fellowships



Outstanding Dissertation Award for 2018 (Department of Mathematics, University of Central Florida)



Graduate Presentation Fellowship, Spring 2018 (University of Central Florida)



Graduate Research Excellence Award 2017 (Department of Mathematics, University of Central Florida)



Graduate Teaching Assistant Award 2016 (Department of Mathematics, University of Central Florida)



Selected to Microsoft Research PhD Fellowship 2014 (Department of Mathematics, University of Central Florida)



University Prize for Academic Excellence, (University of Peradeniya)

Positions Held



Editorial Board: RESCON 2018



Coordinator: MSc program in Industrial Mathematics at the Postgraduate Institute of Science- (2018 September - to date)



Co-Coordinator : International Conference on Mathematics and Mathematics Education ICMME 2021- (Year 2021)



Secretary : Faculty Research Committee- (2021 July - to date)

My Teachings

-  MT106: Classical Mechanics I
-  MT201: Groups, Rings, and Fields
-  MT301: Linear Algebra
-  MT303: Differential Geometry
-  MT305: Group Theory
-  MT309: Number Theory
-  MT312: Numerical Analysis II
-  MT404: Complex Analysis II

Research Interests (Research Fields/ Projects)

Complex Analysis, Functional Analysis, Harmonic Analysis, Number Theory, Orthogonal Polynomials, Approximation Theory, q-series

Ongoing Research and Projects

-  **Askey-Wilson operator on Theta Functions and generating series identities**
-  **Lagrange inversion and generating series identities**
-  **Techniques in Cryptography related to Number Theory**

Key Publications



Nothing to show under this subheading !!!

Conferences



Nothing to show under this subheading !!!

My Publications

Please goto the website.

<https://sci.pdn.ac.lk/math/staff/Rajitha-Ranasinghe>