



Department of Mathematics
Faculty of Science / University of Peradeniya



Dr. A. K. Amarasinghe

B.Sc. (Perad.), M.Sc. (Florida, USA), Ph.D. (Florida, USA)

Senior Lecturer



+94 81 239 (4601)



+94 71 274 1791



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About Me

I am currently a Senior Lecturer at the Department of Mathematics, University of Peradeniya. I graduated from the University of Peradeniya in 2010 with a Special Degree in Mathematics. Later, I joined the University of Florida, USA, for higher studies in Aug-2011 and completed my PhD in 2017. My research interests are Topology, Geometry and their Applications.

Higher Education Qualifications



PhD

University of Florida - USA

(2017)



MSc

University of Florida

(2017)



BSc

University of Peradeniya - Sri Lanka

(2010)

Awards, Scholarships, Memberships & Fellowships



Graduate Student Teaching Award (2016): Department of Mathematics, University of Florida



Neil White Memorial Award for excellence in Teaching (2017): Department of Mathematics, University of Florida



Was nominated for University-wide teaching award (2017): University of Florida



Member: American Mathematical Society

Positions Held





Director - Career Guidance Unit of the Faculty of Science- (Apr 2022 - Present)





Deputy Proctor of the Faculty of Science- (Jan 2020 - Dec 2021)

My Teachings

 : MT201 – Groups, Rings and Fields

 MT305: Group Theory

 MT306: Topology I

 MT403: Topology II

Research Interests (Research Fields/ Projects)

Algebraic and Geometric
Topology, Dimension Theory, Infinite Dimensional Topology, Geometric Group
Theory

Ongoing Research and Projects



Investigating the acyclicity properties of subsets in the Hilbert cube, this is an active research area in infinite dimensional topology.

Key Publications



- (2016)

On Homology of complements of weakly infinite dimensional subsets in Hilbert cube



- (2015)

On separators of the space of complete non-negatively curved metrics on the plane

Conferences



Nothing to show under this subheading !!!

My Publications

Please goto the website.

<https://sci.pdn.ac.lk/math/staff/Ashwini-Amarasinghe>