



**Department of Mathematics**  
**Faculty of Science / University of Peradeniya**



**Dr. A. K. Amarasinghe**

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

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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>