

## Arundhathi Krishnan

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CONTACT INFORMATION	arundhathi.krishnan@gmail.com	
EDUCATION	<b>Indian Institute of Technology Madras</b> , Chennai M.Sc., Mathematics CGPA : 9.5/10	<b>2012</b>
	<b>Madras Christian College</b> , Chennai B.Sc., Mathematics Aggregate : 89.21 Aggregate in Mathematics : 96.57	<b>2010</b>
	<b>The Valley School</b> , Bangalore Indian School Certificate Examination (ISC) Aggregate : 94.17%	<b>2007</b>
HONOURS AND ACHIEVEMENTS	<ul style="list-style-type: none"><li>• Awarded CSIR research fellowship to pursue the Ph.D. programme in Mathematics (<b>October 2012 onwards</b>)</li><li>• Awarded Half Time Research Assistantship by IIT Madras to pursue the Ph.D. programme in Mathematics (<b>July 2012 onwards</b>)</li><li>• Received prizes of merit for highest CGPA in M.Sc. in the Institute Day-2012 and 49th Convocation IIT Madras (<b>2012</b>)</li><li>• Awarded National Board for Higher Mathematics M.Sc. Scholarship (<b>2011- 2012</b>)</li><li>• Awarded Institute Merit Scholarship by IIT Madras (<b>2010- 2012</b>)</li><li>• Secured an All India Rank of 12 (out of about 2500 candidates) in the Joint Admission Test for M.Sc. conducted by the IITs (<b>2010</b>)</li><li>• Received prizes of merit for performance in B.Sc. in Madras Christian College (<b>2009, 2012</b>)</li><li>• Awarded NCERT National Talent Search Examination (NTSE) Scholarship (<b>2005-2010</b>)</li></ul>	

## PUBLICATIONS

1. Arundhathi Krishnan and S. H. Kulkarni, "Pseudosepectrum of an element of a Banach algebra", to appear in *Operators and Matrices*.

## CONFERENCES

1. Arundhathi Krishnan and S. H. Kulkarni, "Pseudospectra of elements of reduced Banach algebras", *International Workshop on Operator Theory and Applications (IWOTA) 2016*, Washington University, St. Louis, July 2016.

## SUMMER SCHOOLS AND WORKSHOPS

- **IASc-INSA-NASI Summer Research Fellowship**  
Department of Mathematics, Indian Institute of Science, Bangalore - 2009  
**Guide:** Prof. Manjunath Krishnapur  
**Area of Work:** Probability Theory
- **IASc-INSA-NASI Summer Research Fellowship**  
Department of Mathematics, Indian Institute of Science, Bangalore - 2010  
**Guide:** Prof. Manjunath Krishnapur  
**Area of Work:** Mathematical Analysis
- **TIFR VSRP**  
School of Mathematics, Tata Institute of Fundamental Research, Mumbai - 2011  
**Guide:** Prof. S. Subramanian  
**Area of Work :** Topics in Group Theory and Ring Theory
- **Recent Advances in Operator Theory and Operator Algebras**  
Indian Statistical Institute, Bangalore- 2012  
Attended workshop and conference
- **Advanced Instructional School in Operator Theory**  
Indian Statistical Institute, Bangalore- 2014  
Attended workshop

## TEACHING ASSISTANCE

- Have been a teaching assistant (the work included conducting tutorials and correcting quizzes and examinations) for the following courses:
- Calculus of a single variable (B.Tech. course)
  - Calculus of several variables (B.Tech course)
  - Measure Theory (Advanced Training in Mathematics Annual Foundation School)
  - Topology (Advanced Training in Mathematics Annual Foundation School)

## EXTRA CURRICULAR ACTIVITIES

- Have been learning Carnatic Music for 20 years; performing Carnatic vocal musician; Graded Artiste of All India Radio Bangalore.
- Was the Secretary of The Music Club, IIT Madras for the academic year 2011-2012.
- Was a writer for Immerse, the research magazine of IIT Madras, and The Fifth Estate, the student newsletter of IIT Madras in the year 2015-2016.