Dr. Sivaramakrishnan C

CONTACT INFORMATION

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DATE OF BIRTH 10/01/1987

RESEARCH INTERESTS Harmonic analysis, Sampling theory

EDUCATION

Indian Institute of Technology Hyderbad,Telangana, India.

Ph.D, Mathematics **Degree awarded 05.08.2018**

- Title of the Thesis: "Image Characterization of certain Sobolev spaces under Schrödinger semigroup"
- Advisor's: Dr. D. Venku Naidu and Dr. D. Sukumar.

Periyar University, Salem, Tamilnadu, India.

M. Phil., Mathematics, **August 2012 - July 2013**

Dissertation Topic: "Schur Weyl dualities and partition algebras."
Advisor: Dr. C. Selvaraj.

M.Sc., Mathematics, **August 2010 - August 2012**

Annamalai university, Chidhambaram, Tamilnadu, India.

B.Sc., Mathematics, **August 2006- August 2009**

ACADEMIC EXPERIENCE

Assistant professor, Department of Mathematics **September 5, 2022 - Present**
NIT Srinagar, Jammu and Kashmir, India, PIN: 190006.

Assistant professor, Department of Mathematics **February 21, 2019 - August 26, 2022**
SRM University, Amaravati, Andhra Pradesh, India, PIN: 522502.

Adhoc faculty, Department of Mathematics **July 13, 2018 - February 18, 2019**
National Institute of Technology Calicut, Kerala, India, PIN:673601.

Teaching Assistant **August, 2013 - April 2017**
Tutorial conducted to M.Sc. students. **Indian Institute of Technology Hyderbad**, Telangana, India, PIN: 502285.

PUBLICATIONS

1. On the images of Soblev spaces under Schrodinger semigroup, Adv. Pure Appl. Math. (with D. Sukumar and D. Venku Naidu)

Doi: https://doi.org/10.1515/apam-2016-0116.

2. On the images of Dunk-Soblev spaces under Schrodinger semigroup associated to Dunkl operators, J. Pseudo-Differ. Oper. Appl. (2017).(with D. Sukumar and D. Venku Naidu)
   Doi: https://doi.org/10.1007/s11868-017-0233-9
3. Benedicks' theorem for the Weyl Transform associated with the Heisenberg group, Integral Transforms Spec. Funct. (with Partha sarathi Patra and D. Venku Naidu)
   Doi: https://doi.org/10.1080/10652469.2018.1452921
4. *Sampling in the images of Sobolev spaces in* $L^2(\mathbb{R}, e^{u^2}du)$ *under Schrödinger semigroup.* J. Pseudo-Differ. Oper. Appl. volume 11, pages821842(2020).
   Doi: https://doi.org/10.1007/s11868-020-00327-1

Conference Presentations

Title: On the images of Dunkl-Sobolev spaces in $L^2(\mathbb{R}, e^{u^2}|u|^{2\mu}du)$ under Schrödinger semigroup.
Venue: 6th Workshop on Fourier Analysis and Related Fields held at University of Pecs,Pecs, Hungary, 24-31 August 2017.

References

1. Dr. D. Venku Naidu,
   Associate Professor,
   Department of Mathematics,
   IIT Hyderbad.
   email:venku@math.iith.ac.in
2. Dr. D. Sukumar,
   Associate Professor,
   Department of Mathematics,
   IIT Hyderabad.
   email:suku@math.iith.ac.in