RAJESH KUMAR SRIVASTAVA

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CURRICULUM VITAE

Working as an Assistant Professor in the Department of Mathematics,
Indian Institute of Technology Guwahati, since October 2012 –

EDUCATION

B.Sc. 1998   First division *"with honours"* in Mathematics,
                 Shanti Prasad Jain college, Sasaram, Bihar.

M.Sc. 2001   First division *"with distinction marks"* in Mathematics,
                 Banaras Hindu University, Varanasi.

9/2002-6/2003 Worked as Junior Research Fellow in the Dept of Mathematics,
                 Banaras Hindu University, Varanasi.

Ph.D. May 2010 Department of Mathematics & Statistics, IIT Kanpur.

Thesis title: **Spherical means in Heisenberg group, real hyperbolic spaces
                 and injectivity sets for weighted twisted spherical means**

Postdoc 1:   Post-doctoral fellow in the Department of Mathematics,
                 Harish-Chandra Research Institute, Allahabad, **March 2010 to July 2011**

Postdoc 2:   Post-doctoral fellow in the Department of Mathematics,
                 Indian Institute of Science, Bangalore, **August 2011 to Sep 2012**

Research Interests: **Harmonic analysis**

AWARD/SELECTION

NET 2001   CSIR-UGC fellowship for pursuing Ph.D. in Mathematical Sciences.

GATE 2002   Qualified Graduate Aptitude Test in Engineering for pursuing
                 Ph.D./M.Tech in Mathematics.

CSIR-SRF 3/2008   Awarded direct Senior research fellowship (D-SRF) by CSIR, India.

Job-offer 8/2009   Offered a position of Assistant Professor by the Mewar University, Rajasthan, (on campus placement).

NBHM 4/2010   Awarded the postdoctoral fellowship by the National Board of Higher Mathematics of India.

UGC 6/2010   Awarded the Dr. D. S. Kothari postdoctoral fellowship by the University Grand Commission of India.

TEACHING INTERESTS

I would prefer to teach courses related to analysis, e.g., real, complex, Fourier, functional analysis, measure theory, topology, PDEs, differential geometry, representation theory, harmonic analysis on Euclidean spaces, Heisenberg group, and symmetric spaces.

WORKSHOPS/CONFERENCES ATTENDED ABROAD

1. Given a talk on "Coxeter system of lines are sets of injectivity for the twisted spherical means on $\mathbb{C}$," in a conference "Harmonic Analysis and Approximations," held at **Yerevan State University, Armenia**, during Sept 10 - 17, 2011.

2. "Analysis and Applications: A Conference in Honor of Elias M. Stein on the occasion of his 80th birthday," held at the Department of Mathematics, **Princeton University, USA,** during May 16 - 20, 2011.

3. "ESF-EMS-ERCOM Conference on Harmonic Analysis, Geometric Measure Theory and Quasiconformal Mappings," held at the **Mathematics Research Center, Barcelona, Spain,** during June 14 - 20, 2009.

4. "The Power of Analysis: A conference honoring Charles Fefferman on the occasion of his birthday," held at the Department of Mathematics, **Princeton University, USA,** during May 4 - 8, 2009.

WORKSHOPS/CONFERENCES ATTENDED IN INDIA

5. Attended "16th Discussion Meeting on Harmonic Analysis," held in IISER Bhopal, during December 16-19, 2019.

6. Given lectures on Hardy-Littlewood Maximal function and Lebesgue Differentiation theorem, Tezpur University,18th Feb -2nd March, 2019.

7. Attended "15th Discussion Meeting on Harmonic Analysis," held in IISc Bangalore, during December 18-21, 2017.

8. Given a talk on "Heisenberg uniqueness pairs for Fourier transform," in a conference "14th Discussion Meeting on Harmonic Analysis," held in University of Delhi, during December 10-12, 2015.

9. Given a talk on "A brief review of Weyl transform and Hecke-Bochner identity," in a conference " Conference on Harmonic Analysis and Operator Theory," held at IISER Bhopal, during March 21-23, 2014.

10. Given a talk on "Non-harmonic cones are sets of injectivity for the twisted spherical means on $\mathbb{C}^n$," in a conference "13th Discussion Meeting in Harmonic Analysis," held at CMI Chennai, during Dec. 16 - 19, 2013.

11. Given a talk on "Injectivity sets for the twisted spherical means on the Heisenberg group" at IIT Bombay, on 20th Sep, 2012.

12. Given a talk on "Injectivity sets for the twisted spherical means on the Heisenberg group" at TIFR CAM, Bangalore, on 24th July 2012.

13. Given a talk on "twisted spherical means on Heisenberg group" at HRI, Allahabad, on 24th January 2012.

14. Given a talk on "Coxeter system of lines are sets of injectivity for the twisted spherical means on $\mathbb{C}$," at IIT, Gandhinagar, on 16th September 2011.

15. Given a talk on "Coxeter system of lines are sets of injectivity for the twisted spherical means on $\mathbb{C}$," in a conference "Twelfth Discussion Meeting in Harmonic Analysis," held at ISI Kolkata, during Dec. 27 - 29, 2011.

16. Given a talk on "Coxeter system of lines are sets of injectivity for the twisted spherical means on $\mathbb{C}$," at IISER, Kolkata, on 07th September 2011.

17. Visited Dept of Mathematics, Indian Institute of Science, Bangalore, during Nov. 24 to Dec. 06, 2010.

18. International Satellite Conference on Harmonic analysis, held at NISER, Bhubaneswar during Aug 29 to Sep 2, 2010.

19. International Congress of Mathematicians, held at Hyderabad during Aug 19 - 27, 2010.

20. Given a talk on "Spherical means in annular regions in the Heisenberg group" at IISER, Bhopal, on 24th March 2010.

21. Given a talk on "Spherical means in annular regions in the Heisenberg group" at IISER, Mohali, on 08th Feb. 2010.

22. Given a talk on "Spherical means in annular regions in Heisenberg group and real hyperbolic spaces," in the "11th Discussion in Harmonic Analysis" held at NISER, Bhubaneswar during Jan 6 - 9 , 2010.

23. "RMS/SMF/IMSc Indo-French Conference in Mathematics," held at IMSc, Chennai, during Dec 15 - 19, 2008.

24. "Compact Course on spherical Radon transforms: New problems and applications," offered by Prof. M. L. Agranovsky (Bar-Ilan University, Israel) at IISc Bangalore, during Sep 9 - 28, 2008.

25. "National Instructional Workshop on Harmonic Analysis," held during May 14 - 18, 2008 and "23rd Annual Conference of Ramanujan Mathematical Society," held at IIT Kanpur, during May 19 - 21, 2008.

26. Presented the paper "*Spherical means on rank one symmetric spaces and support theorem*," in third "Open House" held at IIT Kanpur, during April 4 - 6, 2008.

27. "10th Discussion Meeting in Harmonic Analysis," held at IISc Bangalore, during Dec 28th, 2007 to Jan 1st, 2008.

28. Workshop on "Recent Advances in Fourier and Harmonic Analysis," held at Sardar Patel University, during March 24 - 26, 2007.

29. Presented the paper "*Twisted spherical means in annular regions in $\mathbb{C}^n$ and support theorems,*" in Second "Open House" held at IIT Kanpur, on Jan, 20th, 2007.

30. Workshop and Conference on "Harmonic Analysis and Functional Analysis" held at IIT Kanpur, during Dec 11 - 24, 2006.

31. "An Advance Instructional School in Functional Analysis and Harmonic Analysis," held at ISI Bangalore, during July 03 - 28, 2006.

32. Workshop and Conference on "Analysis and Application," held at IISc Bangalore, during March 14 - 23, 2006.