




Faculty Details proforma for DU Web-site

Title	Dr.	First Name	RANJANA	Last Name	JAIN	Photograph
Designation		Assistant Professor				
Address		Department of Mathematics, University of Delhi, Delhi-110007				
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Residence						
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Email		rjain@maths.du.ac.in				
Web-Page		http://maths.du.ac.in/faculty/ranjana/rj.html				
Educational Qualifications						
Degree		Institution			Year	
B.A. Hons. Mathematics		St. Stephen's College, University of Delhi			2001	
M.A. Mathematics		St. Stephen's College, University of Delhi			2003	
M.Phil. Mathematics		University of Delhi			2005	
Ph.D. Mathematics		University of Delhi			2012	
Career Profile						
<ol style="list-style-type: none"> 1. Assistant Professor, Department of Mathematics, University of Delhi, March, 2014-present. 2. Assistant Professor, Department of Mathematics, Lady Shri Ram College for Women, New Delhi, July, 2006 - March, 2014. 3. Lecturer (On Temporary basis), Department of Mathematics, Sri Venkateswara College, New Delhi, November, 2005 - July, 2006. 4. Lecturer (On Ad-hoc basis), Department of Mathematics, Ramjas College, Delhi, November, 2004-November, 2005. 						
Administrative Assignments						
<p><i>At College Level:</i> Worked for Internal Assessment Committee, Attendance Committee, Examination Committee, NSS, Admission Committee and few others; worked as Department Teacher-in-Charge, Association-in-charge.</p>						

<p><i>At Department (University) Level:</i> Worked as a convener of Seminar Committee, web-page committee; member of M.Phil. Committee, Examiner's committee, Moderation Committee, Data Committee, Alumni Committee</p>
<p>Areas of Interest / Specialization</p> <p>Functional Analysis, Operator spaces, operator algebras</p>
<p>Subjects Taught</p> <p><i>Under-graduate Level:</i> Real Analysis, Complex Analysis, Algebra, Differential Equations, Discrete Mathematics, Linear algebra, Calculus</p> <p><i>Post-graduate Level:</i> Topology, Measure and Integration, Matrix Analysis, Module Theory, Functional Analysis</p>
<p>Research Guidance</p> <p><i>M.Phil Student:</i> Daljeet Singh Krishna Kumar (2016-)</p> <p><i>Ph.D. Student:</i> Janson Antony (2015-) Bharat Talwar (2016-) Alka (2017-)</p>
<p>Publications Profile</p> <ol style="list-style-type: none"> 1. Operator Space Tensor Products of C^*-algebras, Ranjana Jain and Ajay Kumar, Math. Zeit., 260 (2008), 805-811. 2. Ideals of operator space projective tensor product of C^*-algebras, Ranjana Jain and Ajay Kumar, J. Aust. Math. Soc., 91 (2011), 275-288. 3. Projective tensor product, Ranjana Jain and Ajay Kumar, Proc. 21st Annual Conference of Jammu Math. Soc. and a National Seminar on analysis and its applications, Feb 25-27, 2011, 27-40. 4. Spectral synthesis for the operator space projective tensor product of C^*-algebras, Ranjana Jain and Ajay Kumar, Bull. Malays. Math. Sci. Soc.(2) 36(4) (2013), 855-864. 5. The operator space projective tensor product: Embedding into the second dual and ideal structure, Ranjana Jain and Ajay Kumar, Proc. Edinburgh Math. Soc.(2014) 57, 505-519. 6. On closed Lie ideals of certain tensor products of C^*-algebras, Ved Prakash Gupta and Ranjana Jain, Math. Nachr. 2017, DOI: 10.1002/mana.21700009

Conference Organization/ Presentations (in the last three years)
<ol style="list-style-type: none"> 1. Presented a talk at “Symposium on Young Women and Mathematics” at IISER, Pune during July 25-27, 2014. 2. Presented an Invited talk at “Indian Science Congress” at University of Bombay during January 5-7, 2015 3. Presented a talk at “ Conference on Indian Women and Mathematics” at University of Hyderabad during June 29 – July 1, 2016. 4. Presented a talk at Conference on “Groups and Operators” at Chalmers Institute of Technology and University of Gothenburg, Sweden during August 15- 18, 2016. 5. Presented an invited talk at “Annual Conference of Ramanujan Mathematical Society” at University of Delhi during June 1-3, 2018.
Research Projects (Major Grants/Research Collaboration)
<ol style="list-style-type: none"> 1. <i>R & D Grant from University of Delhi for October, 2014- September, 2015 on “ Closed Lie Ideals of Operator Space projective tensor Product of C*-algebras”</i> 2. <i>R & D Grant from University of Delhi for October, 2015- September, 2016 on “Closed Lie ideals of spatial tensor product of von Neumann algebras”</i>
Awards and Distinctions
<ol style="list-style-type: none"> 1. Research Grant G.0231.07 under Research Foundation Flanders(FWO), July, 2009 - July, 2010. (Availed at K. U. Leuven, Leuven, Belgium as an International Research Scholar) 2. UGC-CSIR Junior Research Fellowship, July, 2003 - November, 2005. 3. Gold Medalist in M.A. Mathematics, University of Delhi, 2003. 4. Mukharji Ram Behari Prize for highest score in M.A. Mathematics, St. Stephen's College, 2003. 5. 55th IMS Annual Conference Scholarship, University of Delhi, July, 2001 - July, 2003. 6. Kesar Devi Scholarship, St. Stephen's College, July, 2001 - July, 2003.
Association With Professional Bodies
<ol style="list-style-type: none"> 1. Life Membership of Ramanujan Mathematical Society, Membership Number: 1184 2. Life Membership of Indian Science Congress, Membership Number: L28033 3. Life Membership of Indian Mathematical Society
Other Activities

