Faculty Details proforma for DU Web-site

(PLEASE FILL THIS IN AND Email it to websiteDU@du.ac.in and
cc: director@ducc.du.ac.in

Title	Dr.	First Name	Sachi	Last Name	Srivastava	Photograph
Designation		Associate Professor				
Address		Department of Mathematics University of Delhi South Campus Benito Juarez Road New Delhi 110021				
Phone No Office		24112231 -180, 282				
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Educational Qualifications

Degree	Institution	Year
Ph.D.	Oxford University	2002
M.Phil. / M.Tech.	University of Delhi	1996
PG	Lady Shri Ram College, University of Delhi	1994
UG	Lady Shri Ram College, University of Delhi	1992
Any other qualification		

Areas of Interest / Specialization

Functional Analysis, Operator Theory, Abstract Differential Equations, Operator Algebras, Non-commutative Analysis

Subjects Taught

Functional analysis, Advanced Complex Analysis, Theory of Operators, Module Theory.

Research Guidance

1. **Supervision of awarded M.Phil dissertations**
   - Mahesh Kumar. Norm continuity of C_0 semigroups, June 2011.
   - Rachna Shokanda. Cayley Transform of the generator of a C_0 semigroup, Oct 2015.
   - Reena. Quasihyperbolic semigroups, Dec. 2016
   - Geeta Yadav. Isometries and Semigroups of Isometries on Hilbert C* Modules. August 2017
   - Himani Sharma. Semigroups of Composition Operators. Dec. 2017

Publications Profile

1. Research papers published in Refereed/Peer Reviewed Journals/Books

1. C.J.K. Batty, M. Blake and S. Srivastava. A non-analytic growth bound for semigroups of operators and Laplace transforms. *Integral Equations and Operator Theory,* Vol. 45 (2003), No. 2, 125 – 154.
2. C.J.K. Batty and S. Srivastava. The non-analytic growth bound of a C_0 semigroup and inhomogeneous Cauchy problems. *Journal of Differential Equations*, 194 (2003) 300 – 327.
3. R. Chill and S. Srivastava. Maximal regularity for Wave equations. *M. Zeitschrift,* 251 (2005), No. 4, 751 – 781.
4. R. Chill and S. Srivastava. L^p Maximal regularity for second order Cauchy problems is independent of p. *Boll. Unione Mat. Ital.,* Series IX, Vol. 1 – 1, (2008), 147 – 158.
5. C.J.K. Batty, R.Chill and S. Srivastava. Maximal regularity for certain non-autonomous second order Cauchy problems. *Studia Mathematica*, no. 256, (2008), 205-223.
6. C.J.K. Batty, R. Chill and S. Srivastava. Maximal Regularity for some Interpolation Sapces. *Operator Theory: Advances and Applications,* Vol. 250, 2015, 205 - 223.
7. B.V.R. Bhat and S. Srivastava. Stability of Quantum dynamical semigroups. *Operator Theory: Advances and Applications,* Vol. 250, 2015, 67-85.
8. S. Rastogi and S. Srivastava. Quasi Hyperbolicity and Delay semigroups. *Abstract and Applied Analysis*. Article Id. 1984874, (2016).
9. W. Arendt, I Chalander, M. Kumar and S. Srivastava. Asymptotic behaviour of powers of composition operators on Banach spaces of Holomorphic functions. *Indiana University Journal of Mathematics*. 2017 To appear.
10. K.B. Sinha and S. Srivastava. Theory of Semigroups and Applications. Hindustan Book Agency. 2017.
11. M. Kumar and S. Srivastava. Convergence of powers of composition operators defined on spaces of holomorphic functions defined on the half plane. *Archive der Mathematik*. First online Feb 2016.

Conference Organization/ Presentations (in the last three years)

1. Organization of a Conference

April 2015: Convener, Conference on Indian Women and Mathematics, held at University of Delhi South Campus.
Dec 2017: Convener, International Workshop of Recent Advances in Operator Semigroups, held at University of Delhi, Delhi.

2. Participation as Paper presenter and Invited speaker

- July 2016: Invited speaker, International Conference on recent Advances in Mathematics and Applications, University of Rajasthan, Jaipur.

- June 2016: Invited Speaker, Annual conference of Indian Women in Mathematics, University of Hyderabad, Hyderabad.

- December 2016: Invited Speaker, 14th Discussion Meeting on Harmonic Analysis, University of Delhi, Delhi.

- November 2015: Invited Speaker, Analysis Seminar, Department of Mathematics, University of New South Wales, Sydney, Australia.

- June 2015: Invited Speaker, Pure Mathematics Seminar, Department of Mathematics, University of Newcastle, U.K.

- June 2015: Invited Speaker, Pure Mathematics Colloquium, Lancaster University, U.K.

- June 2015: Invited Speaker, Analysis Seminar, Leeds University, U.K.

- June 2015: Invited Speaker, Functional Analysis Seminar, Oxford University, UK.

- June 2013: Invited speaker, Symposium on "Operator semigroups meet Mathematical Physics, Complex Analysis and Harmonic Analysis " held at Hernhut, Germany.

   3. Special Lectures/Talks

   - June 2017: ICTP-EAUMP Summer School on Modern Functional Analysis, Nairobi, Kenya.

   - May 2015: Advanced Foundation School – Functional Analysis, held at Shiv Nadar University, U.P.

Association With Professional Bodies

1. Reviewing

Regular contributor for MR Reviews.

2. Memberships

   1. American Mathematical Society and

   2. Ramanujan Mathematical Society

Signature of Faculty Member

- You are also requested to also give your complete resume as a DOC or PDF file to be attached as a link on your faculty page.