Faculty Details proforma for DU Web-site

Title	Dr.	First Name	Ratikanta	Last Name	Panda	Photograph
Designation		**Assistant Professor**				
Address		Department of Mathematics, University of Delhi, Delhi-110 007				
Phone No Office		011-27666658				
Residence		E-5, Teachers' Residential Complex, Type-II, Dhaka Land, Mukherjee Nagar, Delhi-110 009				
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Web-Page						

Educational Qualifications

Degree	Institution	Year
Ph.D.(in mathematics)	Indian Institute of Science, Bangalore	1995
M.Phil. / M.Tech.		
M.Sc. in Mathematics	Utkal University, Bhubaneswar	1988
B. Sc. (Hons.)(Physics, Chemistry, Mathematics	Utkal University, Bhubaneswar	1986
Any other qualification		

Career Profile

December 2004 till date: Assistant Professor, University of Delhi.

June1996-November 2004: Lecturer, Goa University, Goa.

October 1995-June 1996: Visiting Fellow, TIFR Centre, Bangalore.

Administrative Assignments

Areas of Interest / Specialization

Nonlinear Analysis, Partial Differential Equations. My research interests include Variational Methods for study of existence, nonexistence, multiplicity or Unique-ness of solutions of Nonlinear Elliptic Partial Differential Equations both in bounded and unbounded domains using techniques of Nonlinear Functional Analysis.

Subjects Taught

1995-2004: Real Analysis-I, Real Analysis-II, Complex Analysis, Partial Differential Equations, Functional Analysis, Topology, Linear Integral Equations, Differential Geometry
2004- Present: Topology, Measure and Integration, Complex Analysis, Functional Analysis, Differential

Equations, Calculus on R^n, Measure Theory, Distribution Theory and Calculus on Banach Spaces, Advanced complex Analysis, Differential Geometry

Research Guidance

Supervision of awarded Ph.d. thesis

Kumar, Varinder(2011). On Frames of Subspaces for Banach spaces. University of Delhi.

Sharma, Sumit Kumar(2011). A Study of Atomic Decompositions. University of Delhi .

Arya, , Chaman Prakash (2013). On Some Generalizations of continuity of Multi-functions. University of Delhi.

Setia, Nikita.(2015). High accuracy off-step discretizations for the system of multi-dimensional quasi-linear elliptic and parabolic partial differential equations. University of Delhi

Supervision of Doctoral Thesis, under progress

Prajapati, Tarachand, Semi groups of operators(2014-)

Aggarwal, Rachna, Generalizations of Gleason Parts (2017-)

Supervision of awarded M.Phil dissertations

Laxmi. 2008. A study of Furi-Martelli-Vignoli spectrum for nonlinear operators. University of Delhi.

Madan, Chinu. 2009. Distribution Theory for discontinuous test functions in one variable. University of Delhi.

Gupta, Meenakshi. 2009. Gabor and Wavelet transforms. University of Delhi.

Kumar, Amit. 2009. Maximum principles for second order linear elliptic equations. University of Delhi.

Chandershekhar. 2010. Some extensions of the Rademacher's theorem to Banach spaces , University of Delhi.

Goyal, Sarika. 2011. Weierstrass' Theorem with weights. University of Delhi.

Kumar, Neeraj. 2013. Different Spectra for Nonlinear Operators. University of Delhi

Bagri , Venu. 2013. Absolutely continuous functions in R^n. University of Delhi

Garg, Mukta. 2013. Sobolev Spaces on metric measure spaces . University of Delhi

Prajapati, Tarachand, 2014 : Degree Theory in Analysis and Applications, University of Delhi

Aggarwal, Rachna ,2014: Nonlinear Extensions of Fredholm operators, University of Delhi

Alka , 2016: Integral representation of linear functional and operators.

Sharma, Bhawna, 2017: Sobolev spaces and Functions of Bounded Variations on R^n.

Supervision of M.Phil. dissertations, under progress

Sharma, Abhishek: Banach spaces with Radon-Nikodym property(2015-)

Rimpi : The Mountain pass theorems(2016-)

Bansal, Rohit, :Univalent functions (2017-)

Publications Profile

Research papers published in Refereed/Peer Reviewed Journals

Panda, Ratikanta. 1995. Nontrivial solution of a quasilinear elliptic equation with critical growth in R^n. *Proc. Indian Acad. Sci. (Math.Sci.)*105 (4): 425-444.

Panda, Ratikanta. 1996. On semilinear Neumann problems with critical growth for the n-Laplacian. *Nonlinear Analysis, Theory Methods and Applications*. 26(8): 1347-1366.

Panda, Ratikanta.1997. Solution of a semilinear elliptic equation with critical growth in R^2. *Nonlinear Analysis, Theory Methods and Applications*. 28(4): 721-728.

Conference Organization/ Presentations (in the last three years)

Was a member of the organizing committee for the International workshop " Recent Advances in Operator Semigroups" from December 18 - 21, 2017, Department of Mathematics, University of Delhi.

Research Projects (Major Grants/Research Collaboration)

Awards and Distinctions

Qualified joint UGC-CSIR JRF Examination 1988 Obtained NBHM Research award in 1990 and NBHM Post Doctoral fellowship in 1995
Association With Professional Bodies
Member, Association of Mathematics Teachers of India**.**
Other Activities
Delivered eight lectures of 75 minutes each in the **Interactive Mathematics Training Camp for Undergraduate students** held during 14th May to 26th May 2018 at the Institute of Mathematics and Applications, Bhubaneswar.