



Shivaji College Faculty Details Proforma

Title		First Name		Last Name			Photograph
	Dr.		MRIDULA		BUDHRAJA		
Designation		Associate Professor					
Address							
		S.U. 30, Pitam Pura, Delhi-11003					
Office	Phone						
No.		25116644					
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Web-Pag	ge						
Education Qualification		M.A., M. Ph	il, Ph.D. (Mat	hematics)			
Degree			Univers	sity/Institu	te		Year
Ph.D.		University o	f Delhi				2008
M.Phil./ch.	М.Те	University o	f Delhi				2000
PG		University of Delhi					1998
UG		University of Delhi		_			1996
Any Oth Qualific							
Career :	Profil	<u> </u> e					

Career Profile

Worked as Adhoc Lecturer from November 1999, in Lady Shri Ram College for Women, and Deen Dayal Upadhyaya College.

Appointed in Shivaji College, on permanent basis, on 16th July, 2002

Administrative Assignments
Currently: Secretary, Staff Council
Areas of Interest/Specialisation
Dynamical Systems
Subjects Taught
Mechanics, Differential Equations, Analysis
Innovation Project/Research Projects (Major Grants/Research Collaboration)
Publications Profile (Research Papers/Books)

- 1. Controlling Chaos In 2-Dimensional Systems, L.M. Saha, G.H. Erjaee and Mridula Budhraja, Published in Iranian Journal of Science and Technology Transaction A, Vol.28, No. A 2, 2004, 219 226.
- 2. Characterization Of Attractors In Gumowski-Mira Map Using Fast Lyapunov Indicators, L.M. Saha, M.K. Dass and Mridula Budhraja Published in FORMA, Vol. 21, 2006, 151-158.
- 3. The Largest Eigenvalue: An Indicator Of Chaos?, L.M. Saha, and Mridula Budhraja, Published in International Journal of Applied Mathematics and Mechanics, Vol. 1, 2007, 61-71.
- 4. Complete Synchronization Of Chaotic Systems, L.M. Saha and Mridula Budhraja, Published in Proceedings of the National Academy of Sciences, Vol. 77(A), II, 2007, 161-168.
- 5. Detection Of The Chaotic Behaviour Of A Bouncing Ball By The 0-1 Test , G.Litak, A. Syta, M. Budhraja and L.M. Saha , Published in Chaos, Solitons and Fractals, Vol. 42, 2009, 1511-1517.
- 6. Test Applied to Peter-De-Jong Map, Mridula Budhraja, Narender Kumar, L.M. Saha, International Journal of Engineering and Innovative Technology, Vol. 2, Issue 6, 2012, 253-257.
- 7. Continuous Models Of Tumor Induced Angiogenesis And Anti- Angiogenesis Strategy, Published in Mathematical Journal of Interdisciplinary Sciences, Vol. 2, I, 2013, 57-75.
- 8. Complexity Study And Chaos Control In A Prey-Predator System, Mridula Budhraja, Keerti J. Behera, L.M. Saha, Journal of Advances in Mathematics, Vol. 4, III , 2013, 469-477.
- 9. The 0-1 Test Applied to Peter-De-Jong Map, Mridula Budhraja, Narender Kumar, L.M. Saha, International Journal of Engineering and Innovative Technology, 2(6), 2012, 253-257
- 10. Multi-Switching Synchronization between T-system and Liu-Syatem, Ayub Khan, Mridula Budhraja, Aysha Ibraheem, published in Int. J. Dynam. Control, in April, 2017.
- 11. Different Types of Synchronization Between Different Fractional Order Chaotic Systems, A. Khan, M. Budhraja and A. Ibraheem, Published in Non-Linear Dynamics and Systems Theory in July, 2017.
- 12. Multi-Switching Compound Synchronization of four different chaotic systems via active backstepping method, Ayub Khan, Mridula Budhraja, Aysha Ibraheem, Published in Int. J. Dynam. Control in November, 2017.
- 13. Multi-Switching Dual Compound Synchronization of Chaotic systems, Ayub Khan, Mridula Budhraja, Aysha Ibraheem, Published in Chinese Journal of Physics in December, 2017.
- 14. Synchronization of dynamical systems of different orders and different dimensions, Ayub Khan, Mridula Budhraja and Aysha Ibraheem, Published in Malaya Journal of Mathematik in February, 2018.
- 15. Multi-Switching Synchronization of Four Non-Identical Hyperchaotic Systems, Ayub Khan, Mridula Budhraja, Aysha Ibraheem, Published in Int. J Appl. Comput. Math in March, 2018.

Conference/Seminar/Faculty Development Programme/Workshop

Participated in 5-day National Workshop on "Differential Equations, Computing and Modelling", held in Deptt. of Mathematics, University of Delhi, from 20th – 24th December, 2010.

Participated in National Conference on Advances in Applied Mathematics and Statistics(NCAAMS-2017), organized by Mata Sundri College for Women, University of Delhi, Sepotember 7-8, 2017.

Research Guidance (Supervision of Doctoral Thesis/Dissertations)

Currently supervising a research scholar for award of Ph. D degree from University of Delhi

Awards and Distinctions

Memberships					
Other Academic Activities					
Cultural/Extracurricular Activities					
An Active member of National Service Scheme (NSS) Unit of College.					

Signature of Faculty Member