



**Bhaskaracharya College of Applied Sciences
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Sector II, Phase I, Dwarka, New Delhi – 110075**

FACULTY PROFILE

Title	.Dr.	First Name	Meetu	Last Name	Luthra	Photograph
Designation	Associate Professor					
Department	Physics					
Address (Campus)	Bhaskaracharya College of Applied Sciences, Sector-2,Phase-1, Dwarka, Delhi					
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Educational Qualification	Subject	Institution				
Ph.D	Physics	Delhi University				
M.Phil	-	-				
M. Tech	-	-				
M.Sc.	Physics	Delhi University				
Research Interests/ Specialization						
Condensed Matter Physics,Quantum Phase Transitions,Optical lattices,Cosmology,Field Theory.						
Teaching Interest						
Quantum Mechanics, Statistical Physics, Waves And Oscillations, Thermal Physics.						
Achievements/Patents						

Pursued Postdoctoral Research in Indian Institute of Astrophysics (IIAP), Bangalore for three Years.

Publications

- 1, "A Program for a problem free Cosmology within a Framework of a Rich Class of ScalarTensor Theories" by Daksh Lohiya, Meetu Sethi, published in Classical and Quantum Gravity. 16:1545-1563, 1999. (I.F. 3.32)
2. "A Strategy for a realization of a problem free Einstein Hilbert Action along with a problem free Toy Cosmology" by Daksh Lohiya, Meetu Sethi, published in Gravitation and Cosmology. 6:185-193, 2000. (I.F. 0.46)
3. "On Observational Constraints on Power-Law Cosmologies" by Meetu Sethi, Annu Batra, Daksh Lohiya, published in Phys. Rev. D. D60 :10301, 1999. (I.F. 4.558)
4. "Linear Coasting in Cosmology and SNe Ia " by A. Dev, Meetu Sethi and Daksh Lohiya published in Phys. Letters B, 504, 207 (2001). (I.F. 3.955)
5. "Phase Diagram of a bosonic ladder with two coupled chains" by Meetu Sethi Luthra, Tapan Mishra, R.V. Pai, B.P. Das, published in Phys Rev. B, 78, 165104 (2008). (I.F. 3.691)
6. "Signatures of Superfluid-to-Mott Insulator transition in cold bosonic atoms in a one dimensional optical lattice" by S. Ramanan, T. Mishra, Meetu Sethi Luthra, R. Pai and B.P. Das. published in Phys. Rev. A, 79, 013625 (2009). (I.F. 2.878)
7. "Supersolid and solitonic phases in the one-dimensional extended Bose-Hubbard Model" by T. Mishra, R.V. Pai, S. Ramanan, Meetu Sethi Luthra and B.P. Das, published in Phys. Rev. A, 80, 043614 (2009). (I.F. 2.878)