DR. JIBANANANDA JANA ASSOCIATE PROFESSOR DEPARTMENT OF CHEMISTRY	
Academic Qualifications	M.Sc., Ph. D.
Telephone No.	9434240267
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Area of Interest	
i) Teaching	Atomic structure including quantum mechanical view, Term symbols, Chemical bonding including Co-ordination compounds along with non-classical bonding, Periodic properties and related chemical reactions, Organometallic Chemistry.
ii) Research	Quantum Chemical study on charge transfer and bonding, Localization, Relative structure stability, Energy partitioning, hard-soft behavior, Hybridization calculation, Molecular modelling.
Publication: Papers / Articles in	1. "Quantum Chemical computation of localized orbitals of some simple
Journals	chemical systems", Dulal C. Ghosh and J. Jana, J. Ind. Chem. Soc ., 1999, 76 , 7-9.
	 " A study of correlation of the order of chemical reactivity of a sequence of binary compounds of nitrogen and oxygen in terms of frontier orbital theory", Dulal C. Ghosh and J. Jana, Current Science, 1999, 76, 570-573. "Quantum chemical study of the umbre lla inversion of the ammonia molecule", Dulal C. Ghosh, J. Jana and R. Biswas, Int. J. Quant. Chem., 2000, 80, 1-26. " Density functional and molecular orbital study of physical process of inversion of nitrogen trifluoride (NF₃) molecule", Dulal C. Ghosh, J.

Jana and S. Bhattacharyya, Int. J. Quant. Chem., 2002, 87, 111-134.

- "A quantum chemical study of the physical process of planar (D_{3h}) to pyramidal (C_{3v}) structural reorganization of boron trifluoride molecule", Dulal C. Ghosh, J. Jana and A. Chakraborty, Ind. J. Chem., 2002, 41A, 462-471.
- "Frontier orbital and density functional study of the variation of the hard-soft behavior of monoborane (BH₃) and boron trifluoride as a function of angles of reorganization from planar (D_{3h}) to pyramidal (C_{3v}) shape", Dulal C. Ghosh and J. Jana, Int. J. Quant. Chem., 2003, 92, 484-505.
- " Density functional and molecular orbital studies on the activation of donor-acceptor sub-systems, charge transfer and binding in the H₃BNCH and H3BNCCH₃ complexes part-I density functional study", J. Jana, Int. J. pure appld. Chem., 2007, 2, 135-154.
- " Density functional and molecular orbital studies on the activation of donor-acceptor sub-systems, charge transfer and binding in the H₃BNCH and H3BNCCH₃ complexes part-II molecular orbital study", J. Jana, Int. J. pure appld. Chem., 2008, 3, 179-191.
- "Quantum chemical and density functional studies on symbiosis", J.
 Jana, Int. J. pure appld. Chem., 2010, 5, 143-150.
- 10. "Relative stabilities of two difluorodiazene isomers: density functional and molecular orbital studies", J. Jana, Rep. theo. Chem., 2012, 1, 1-10.
- " Systematic approach for the bonding in ferrocene", J. Jana, Res. Rev:
 J. Chem., 2014, 3, 38-44.
- " Density functional and molecular orbital studies on the toxicity of an anti cancer drug ferrocenophane polyphenol and its metabolite quinone methide", J. Jana, Int. Res. J. Nat. Appld. Sci., 2015, 2, 75-93.

Publication: Chapter in Books			Nil	
Publication: Books			Nil	
			Nil	
Paper Presented in Seminar / Conference				
	Worksho	op on Gaussian 09: Theory and	Practice	
	Decembo Organize	er 17-21, 2012 er/ sponsoring Agency: S-Cube	and University of E	Delhi
Seminar/Conferences / Symposium / Workshop Attended				
Refresher Course/Orientation Programme Participated	SI. No.	Programme	Duration	Organized by
	1.	UGC sponsored Refresher course in Chemistry	02.01.2009- 22.01.2009	UGC-Academic Staff College-Jadavpur University
	2.	UGC sponsored Refresher course in Chemistry	22.11.2010- 11.12.2010	UGC-Academic Staff College-University of Calcutta
	3.	UGC sponsored Refresher course in Chemistry	02.01.2014- 22.01.2014	UGC-Academic Staff College-Jadavpur University

Award/Prize/National Recognition	Nil
Research Project undertaken	Title: A Quantum Chemical Study on the Interaction of DNA with Anti-proliferative ferrocenophane polyphenols Agency : UGC (Vide F. PSW-156/11-12 (ERO), Dated 25 th January, 2012 Period: 13.03.2012–12.03.2014
Research training undertaken	Workshop on Gaussian 09: Theory and Practice December 17-21, 2012 Organizer/ sponsoring Agency: S-Cube and University of Delhi
Membership in professional Organization	Life member, IACS Library No. 3628, dt. 04.11.96.