BARASAT GOVERNMENT COLLEGE

TEACHER'S PROFILE

DR INDRANATH BHATTACHARYYA, DEPARTMENT OF MATHEMATICS

DESIGNATION	:	Associate Professor
QUALIFICATION	:	M.Sc., Ph.D.
DATE OF JOINING THE SERVICE	:	Jun 12, 2006
DATE OF JOINING THE INSTITUTION	:	Mar 12, 2015
ADDRESS FOR COMMUNICATION	:	Flat-202, 125/1 Jugipara Road, South Dumdum, Kolkata-700028
PHONE NO	:	9432073798
EMAIL ADDRESS	:	bhattacharyya.indra@gmail.com
SPECIALIZATION	:	Applied Mathematics
TEACHING EXPERIENCE	:	1) Engineering Mathematics (B.Tech). 2) Engineering Mathematics (M.Tech in Ceramic Technology). 3) Hons. and General Courses in Mathematics (B.Sc.) 4) Neutrino Physics (M.Sc. in Physics)
COLLEGE SERVED	:	(1) Government College of Engineering and Ceramic Technology (12 June 2006 to 05 April 2011) (2) Darjeeling Government College (08 April 2011 to 31 December 2011) (3) Regional Education Office, Jalpaiguri Division (01 January 2012 to 12 December 2012) (4) A.P.C. Roy Government College, Siliguri (13 December 2012 to 10 March 2015) (5) Barasat Government College (12 March 2015 and continuing).

ACADEMIC AND ADMINISTRATIVE EXPERIENCE	:	1) Head of the Department, Department of Mathematics, Darjeeling Government College, 08 April to 31 December 2011. 2) Dy. Regional Education Officer, Jalpaiguri Division, Government of West Bengal, 01 January to 12 December 2012. 3) Secretary, Teachers' Council, Barasat Government College, Academic Years 2015-16 and 2016-17. 4) Coordinator, RUSA Monitoring Unit, Barasat Government College, Academic Year 2015-16 and continuing. 5. Member, Internal Quality Assurance Cell (IQAC), Barasat Government College, Academic Year 2017-18 and continuing.
TOPICS TAUGHT	:	1. Modern Algebra, 2. Ordinary and Partial Differential Equation, 3. Calculus of single and several variables, 4. Mechanics, 5. Vector Algebra and Claculus, 6. Dynamical system.
AREA OF RESEARCH & INTEREST	:	General Relativity, Cosmology, Mathematical Physics.
ONGOING PROJECT DETAILS	:	NONE
AWARD RECEIVED	:	NONE
PATENT DETAILS	:	NONE
EXTRACURRICULAR ACTIVITIES	:	NONE
CAREER PROFILE	:	Education: (1) B.Sc. (Hons) in Mathematics, University of Calcutta, India, 1996 (2) M.Sc. in Applied Mathematics, University of Calcutta, India, 1999 [An year gap due to illness.] (3) Ph.D. (Science) in Applied Mathematics, University of Calcutta, India, 27 May 2008. Research Experience: (1) Junior Research Fellow (CSIR, India) in the Department of Applied Mathematics, University of Calcutta, 27 August 2003 to 31 August 2005 (2) Senior Research Fellow (CSIR, India) in the Department of Applied Mathematics, University of Calcutta, 1 September 2005 to 11 June 2006 (3) Visited High Energy Physics Section, International Center for Theoretical Physics, Trieste, Italy as Junior Scientist, 19 October to 16 December 2005 (4) Visited Max Planck Institute for Physics, Munich, Germany, 31 March to 30 April 2008. Employment: (1) Lecturer in Mathematics, National Institute of Science and Technology, Berhampur, Orissa, 13 November 2000 to 23 August 2003 (2) Assistant Professor in Mathematics in West Bengal Education Service, 12 June 2006 and continuing as Associate Professor in Mathematics. Membership of the Academic Society: (1) Life Member of 'Calcutta Mathematical Society' (2) Life Member of 'Von Karman Society', Jalpaiguri
ACADEMIC LINK	:	(1)https://inspirehep.net/literature?sort=mostrecent&size=25&page=1&q=find%20a%20Indranath%20Bhattacharyya (2)https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=Indranath+Bhattacharyya&btnG=

PUBLICATION

JOURNAL PUBLICATION :

(1) Indranath Bhattacharyya and Saibal Ray, 'A generalized form of the Raychaudhuri equation', International Journal of Modern Physics D, September, 2021, Vol-30, Page No-2150092, ISSN-0218-2718

(2) Indranath Bhattacharyya, 'Neutrino Mass Generation in SO(4) Model', Communications in Theoretical Physics, August, 2010, Vol-54, Page No-305, ISSN-0253-6102

(3) Indranath Bhattacharyya, 'Electron–neutrino bremsstrahlung in electro-weak theory', Journal of Physics G: Nuclear and Particle Physics, September, 2006, Vol-32, Page No-2167, ISSN-0954-3899

(4) Indranath Bhattacharyya, 'Neutrino bremsstrahlung process in highly degenerate magnetized electron gas', Journal of Physics G: Nuclear and Particle Physics, May, 2006, Vol-32, Page No-925, ISSN-0954-3899

(5) Indranath Bhattacharyya, 'Neutrino synchrotron radiation in electro-weak interaction', Astroparticle Physics, July, 2005, Vol-24, Page No-100, ISSN-0927-6505

(6) Indranath Bhattacharyya, 'Photo-coulomb neutrino process', Astroparticle Physics, November, 2004, Vol-22, Page No-369, ISSN-0927-6505

➢ **BOOK PUBLICATION :**