BARASAT GOVERNMENT COLLEGE

TEACHER'S PROFILE

DR SRIJIT BHATTACHARYA, DEPARTMENT OF PHYSICS

DESIGNATION	:	Associate Professor
QUALIFICATION	:	M.Sc., Ph.D.
DATE OF JOINING THE SERVICE	:	Jun 1, 2006
DATE OF JOINING THE INSTITUTION	:	Sep 6, 2010
ADDRESS FOR COMMUNICATION	:	DEPT OF PHYSICS, BARASAT GOVT. COLLEGE
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SPECIALIZATION	:	NUCLEAR PHYSICS
TEACHING EXPERIENCE	:	PG 11 yrs 6.9.2010-till date, UG 15 yrs 1.6.2006-till date
COLLEGE SERVED	:	(1) DARJEELING GOVT COLLEGE 1.6.2006-4.9.2010 (2) BARASAT GOVT COLLEGE 6.9.2010-TILL DATE

ACADEMIC AND ADMINISTRATIVE EXPERIENCE	:	CSIR JRF & SRF 15.9.2003-31.3.2006, Assistant Professor of Physics 1.6.2006-31.5.2018, Associate Professor of Physics 1.6.2018-till date.
TOPICS TAUGHT	:	All UG topics of Physics, PG Nuclear Physics, General Experiments, Electronics, Quantum Stat Mech.
AREA OF RESEARCH & INTEREST	:	Nuclear Physics, Nanoparticles
ONGOING PROJECT DETAILS	:	NONE
AWARD RECEIVED	:	BEST POSTER PRESENTATION AWARD 2008, 2019 DAE Symp of Nuclear Physics
PATENT DETAILS	:	NONE
EXTRACURRICULAR ACTIVITIES	:	Documentary Movie Making
CAREER PROFILE	:	BSc Physics Hons Calcutta University 2001 MSc Physics Calcutta University 2003 PhD Experimental Nuclear Physics Variable Energy Cyclotron Centre Kolkata 2009 Reviewer of IJMP B Workshop attended at ICTP, Italy in 2003.
ACADEMIC LINK	:	https://scholar.google.co.in/citations?hl=en&user=tfR9_3IAAAAJ

PUBLICATION

JOURNAL PUBLICATION :

(1) Srijit Bhattacharya et al., 'Effect of high angular momentum on η/s of nuclear matter', Physical Review C, January, 2021, 2469-9985

(2) Debasish Mondal, Deepak Pandit, S. Mukhopadhyay, Surajit Pal, Balaram Dey, Srijit Bhattacharya, A. De, Soumik Bhattacharya, S. Bhattacharyya, Pratap Roy, K. Banerjee, and S. R. Banerjee, 'Experimental determination of eta/s for finite nuclear matter.', Physical Review Letter, 42856, 1079-7114

(3) Md. Moinul Islam, S. Mandal, and Srijit Bhattacharya, 'Investigation of Growth Kinetics and Multiplar Plasmonic properties of Silver nanoparticle cluster by experiment and numerical simulation', Plasmonics, Springer Publication, Feb, 2018, 1557-1955

(4) Balaram Dey, Srijit Bhattacharya, et al, ') Proton entropy excess and possible signature of pairing reentrance in hot nuclei', Physics Letters B, Elsevier, August, 2021, 0370-2693

(5) Deepak Pandit, Balaram Dey, Srijit Bhattacharya, et al, ') Puzzle of collective enhancement in the nuclear level density', Physics Letters B, Elsevier, May, 2021, 0370-2693

(6) Md. Moinul Islam, A. De, N. Sakib and Srijit Bhattacharya, 'Investigation of size evolution of silver nanoparticle and its use in medical field', Springer lecture notes in Bioengineering, June, 2021, 978-981-33-6914-6

(7) Balaram Dey, Shan-Shan Wang, Deepak Pandit, Srijit Bhattacharya,, et al., 'Exotic nuclear shape due to cluster formation at high angular momentum', Physical Review C Rapid, March, 2020, 2469-9993

(8) D Pandit, Srijit Bhattacharya, et al, 'Experimental signature of collective enhancement in nuclear level density.', Physical Review C, 43191, 2469-9993

(9) B De, D Pandit, Srijit Bhattacharya, et al., 'Level density and thermodynamics in the hot rotating 96Tc nucleus', Physical Review C, May, 2017, 2469-9993

(10) A realistic technique for selection of angular momenta from hot nuclei: A case study with 4He+ 115In→ 119Sb* at ELab= 35 MeV, 'A realistic technique for selection of angular momenta from hot nuclei: A case study with 4He+ 115In→ 119Sb* at ELab= 35 MeV', Nuclear Instruments and Methods in Physics Research Section A, Dec, 2010, 0168-9002

➢ **BOOK PUBLICATION :**