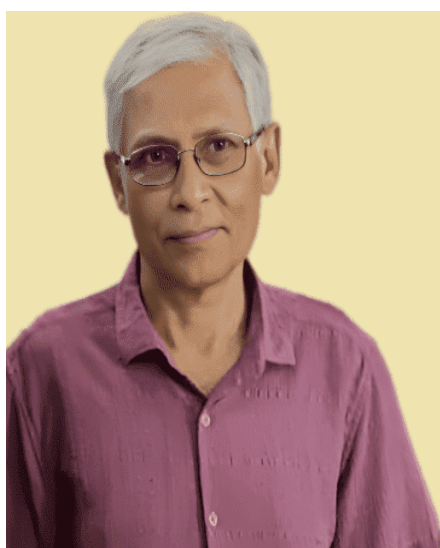


Faculty Profile

Santipur College

Department of Physics

General Information



Name	Dr. Jyotirmoy Guha
Designation	Associate Professor
Date of joining	16.04.1997
Address	Krishnagar, Nadia West Bengal
Contact E-mail	jgsantipurcollege@gmail.com
Mobile	9434370721
Academic Qualification	M.Sc, PhD

Research And Publication

Area of Specialization		Nuclear Physics	
Research interest		Quantum Cosmology, Particle Physics	
Paper Publication			
Sl. No.	Date	Title	Publisher / Other Information
1	2012	Impact of Climate Change on the Growth Strategy of Developing Countries like India	Indian Economic Journal, Journal of Indian Economic Association, Special Issue 2010 (Issues on Climate change, Environment and Economic development) Deb Kumar Bhattacharyya and Jyotirmoy Guha
2	2010	Relevance of Nuclear Energy in India	Artha Bikshan, Vol 19, No. 1, p60-74,June 2010 (Journal of the Bengal Economic

			Association) Deb Kumar Bhattacharyya and Jyotirmoy Guha
3	1995	Particle production in de Sitter space	Class .Quant.Grav.1995, <u>12</u> ,1591,UK S. Biswas, J.Guha, N G Sarkar
4	1995	Effect of particle production in Robertson Walker space time	Class .Quant.Grav.1995, <u>12</u> ,1641, UK J Guha, D Biswas, N G Sarkar, S. Biswas
5	1995	Complex multiple reflection in time and pair production	I.J.M.P.A ,1995, <u>10</u> (4), 541,World Scientific Publishing S.Biswas, J.Guha,P. Dasgupta
6	1994	Reply to the comment on Quantum Wave function in R2 cosmology	Class .Quant.Grav.1994, <u>11</u> , 1369,UK S.Biswas, J.Guha
7	1993	Quantum Wave function in R2 cosmology	Class .Quant.Grav.1993, <u>10</u> ,L,123,UK S.Biswas, J.Guha
8	1993	WKB approximation in complex time	Pramana.J.Phys. 1993, 40(6), 467, India S.Biswas, J.Guha
9	1993	WKB approximation in complex time II	Pramana.J.Phys. 1994, 42(4), 319, India S.Biswas, J.Guha, N G Sarkar
Books/ Reports/Chapters/General articles etc.			

Sl. No.	Date	Title	Publisher/ Other information
1	November 2024	Nuclear and Particle Physics with Cosmology, Volume 2	IOP Publishing, Bristol, UK Online at: https://doi.org/10.1088/978-0-7503-5032-7 (Sole authorship)
2	May 2024	Nuclear and Particle Physics with Cosmology, Volume 1	IOP Publishing, Bristol, UK Online at: https://doi.org/10.1088/978-0-7503-5027-3 (Sole authorship)
3	2022	Quantum Optics and Quantum Computation An Introduction	IOP Publishing, Bristol, UK Dipankar Bhattacharyya and Jyotirmoy Guha DOI 10.1088/978-0-7503-2715-2
4	2020 January	Elements of Modern Physics Volume I	Techno World, Kolkata (Sole authorship)
5	2020 February	Elements of Modern Physics Volume II	Techno World, Kolkata (Sole authorship)
6	2019 2nd edition	Solid State Physics: Theory, Problems & Solutions	Books and Allied (P) Ltd., Kolkata (Sole authorship)
7	2019 3rd edition	Quantum Mechanics: Theory, Problems & Solutions	Books and Allied (P) Ltd., Kolkata (Sole authorship)
8	2009 - 2017 Annually published For 9 years	প্রশ্নোত্তরে স্নাতক পদার্থবিদ্যা ইয়ার টু ইয়ার (in Bengali) For KU General/Pass students	J Publication, Promila Book Agency Kolkata (Sole authorship)

Talks/ Paper or Poster Presentations/ Chairing Sessions/ Seminar/ Webinar/ Workshop/ RC/ OP/ Short term Course/ Any Other attended

Sl. No.	Date	Title /Event	Place /Organiser/ Other Information
1	11.01.2018	i)Exo Solar Planet ii) Saha Ionisation Equation then and now	State Level Seminar Santipur College
2	11.12.2017	Gravitational Wave Detection	State Level Seminar Santipur College
3	27.02.2016	Celebration of 100 years of General Theory of Relativity	State Level Seminar Santipur College

Institutional Responsibilities

Portion of syllabus allotted		
Semester	Major/ Minor/ SEC/ MDC/ Other	Topic allotted
Semester 1	Major	Matrices
	Minor	Math Methods
Semester 2	Minor	Mechanics
Semester 3		
Semester 4	Major	Zeeman Effect
Semester 5		
Semester 6		
Administrative Responsibilities		
1	Member Santipur College, Governing Body	2000 - 2004
2	Head, Physics Department	Since 01.05.2014
Institutional Committees		
Sl. No.	Name of Committee	Member / Convener
1	IQAC	Member
2	NAAC Committee	Member
3	CAS Committee	Member
4	Leave Committee	Invitee Member
5	Service Book and Pension Committee	Convener
6	Technological Upgradation Committee	Member
7	UGC Committee	Member

8	Website Committee	Member
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Other Information

My Youtube Channel	https://www.youtube.com/@igphysics
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