



VIDYASAGAR COLLEGE

39 SANKAR GHOSH LANE
KOLKATA

Name- Sreyasi Banerjee

1	Name	Sreyasi Banerjee		
2	Designation	SACT 1		
3	Mail ID	sreyasibanerjee10@gmail.com		
4	Contact No	9231810726		
5	Date of Joining	14-09-2009		
Academic qualifications				
6	Degree	Subject	University	Year
	Ph.D	Basic Plasma Physics	Jadavpur University	2017
	M.Phil			
	MA/M.sc	Electronics	University of Calcutta	2009
	BA/B.Sc	Electronics	University of Calcutta	2007
PH.D. DETAILS				
7	Title of the Thesis	Nonlinear electrostatic wave structures in different types of plasma		
	Field of specialization under subject/ discipline	<ul style="list-style-type: none"> • Plasma • Plasma Simulation • Space Plasma Physics • Nonlinear Physics of Plasma Turbulence • Plasma Physics • Computational Physics • Electrons Waves 		
8	PREVIOUS POSITIONS/Engagement			
9	Google scholar page:	Sreyasi Banerjee		
10	ORCID ID	orcid.org/0000-0003-4303-5011		
11	HONOURS AND AWARDS			
12	CURRENT RESEARCH PROJECT/Field of Research			
13	TECHNICAL UNDERSTANDING AND EXPERIENCE	Comprehensive and thorough knowledge about Mathematical calculations, computational simulations and nonlinear dynamics of various wave structures.		
14	SUMMARY OF RESEARCH EXPERIENCE	An in-depth look into the essential mathematical methods and computational skills with emphasizing the significance of investigation in this growing field of plasma research taken account of strategic use of theoretical and experimental developments.		
15	EXPERIENCE OF PROJECT MANAGEMENT			
16	COMPLETE LIST OF PUBLICATIONS (Maintain Harvard Format)	<ul style="list-style-type: none"> • Banerjee, S. (2018) Amplitude modulation of weakly nonlinear electrostatic solitary wave in ultra-relativistic degenerated semiconductor quantum plasma, <i>IEEE transactions on Plasma Phys.</i>, 47(1), PP(99):1-7, DOI: 10.1109/TPS.2018.2871954. 		

		<ul style="list-style-type: none"> • Banerjee, S., Ghosh, B. (2018) Space-charge solitary waves and double layers in n-type compensated semiconductor quantum plasma, <i>PRAMANA</i>, 90(3), Article no. 42, DOI: 10.1007/s12043-018-1531-3 • Banerjee, S., Ghosh, B. (2016) Effect of doping on amplitude modulation of space-charge wave in semiconductor quantum plasma. <i>Ind. J. Phys.</i>, 91(4), 1-9, DOI: 10.1007/s12648-016-0939-1 • Banerjee, S., Ghosh, B. (2016) Amplitude modulation of ion-acoustic waves in magnetized electron-positron-ion plasma with q-non-extensive electrons and positrons., <i>Turk. J. Phys.</i>, 40(1):1, DOI: 10.3906/fiz-1507-26 • Banerjee, S., Ghosh, B. (2015) Modulational instability of ion-acoustic waves in fully relativistic two-component plasma., <i>J. Plasma Phys.</i>, 81(3), 905810308, DOI: 10.1017/S0022377814001305 • Ghosh, B., Banerjee, S. (2015) Modulational Instability of Ion-acoustic Waves in Pair-ion Plasma with Kappa Distributed Electrons, <i>African Rev. Phys.</i>, 10(0031), 225. • Ghosh, B., Banerjee, S. (2015) Effect of nonthermal electrons and positrons on ion-acoustic solitary waves in a plasma with warm drifting ions, <i>Ind. J Phys.</i>, 89(10), 1307-1312, DOI: 10.1007/s12648-015-0706-8.
17	Extracurricular Activities	Painting
18	Link to personal website (if any)	