VIDYASAGAR COLLEGE
39 SANKAR GHOSH LANE
KOLKATA

Name Sanchari Goswami

1	Name	Sanchari Goswami		
2	Designation	Assistant Professor		
3	Mail ID	sg.phys.caluniv@gmail.com		
4	Contact No	9432179064		
5	Date of Joining	27.04.2017		
Academic qualifications				
6	Degree	Subject	University	Year
	Ph.D	Physics	University of Calcutta	2014
	M.Phil	-	-	-
	MA/M.sc	Physics	University of Calcutta	2008
	BA/B.Sc	Physics (Hons)	University of Calcutta	2006
PH.D. DETAILS				
7	Title of the Thesis	*Scaling Behaviour of Static and Dynamic Quantities in some Complex Systems and Random Walks*		
	Field of specialization under subject/ discipline	Statistical and Condensed Matter Physics		
8	PREVIOUS POSITIONS/Engagement	Assistant Professor, St. Xavier's College, Kolkata		
9	Google scholar page:	https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=sanchari+goswami&oq=		
10	ORCID ID	0000-0002-4222-5123		
11	HONOURS AND AWARDS	1. Awarded Prof. S. N. Bose Memorial Prize in Physics for 2008 from Univ. of Calcutta. 2. Awarded Senior Research Fellowship by CSIR in 2012. 3. Awarded Junior Research Fellowship by CSIR in 2009 4. FIRST CLASS FIRST in M.SC. in PHYSICS From UNIVERSITY OF CALCUTTA in 2008. 5. FIRST CLASS SEVENTH in PHYSICS HONOURS from UNIVERSITY OF CALCUTTA in 2006.		
12	CURRENT RESEARCH PROJECT/Field of Research	Broad area : Statistical Physics Quantum Walk, Percolation, Forager Dynamics, Econophysics		
13	TECHNICAL UNDERSTANDING AND EXPERIENCE	Post Doctoral Research Associate in SNBNCBS, Kolkata (2014-2015).		
14	SUMMARY OF RESEARCH EXPERIENCE	10 years after Ph.D. in Statistical and Condensed Matter Physics. The specific areas of interest are Classical and Quantum Walks, Econophysics and Sociophysics, Bose-Einstein Condensation, Failure Modeling in Materials, Statistical Modeling of Biological Systems.		
15	EXPERIENCE OF PROJECT MANAGEMENT			

16	COMPLETE LIST OF PUBLICATIONS (Maintain Harvard Format)	**Papers:** 1. *An Insight of Heart-Like Systems with Percolation*, Md Aquib Molla, Sanchari Goswami, Physics Letters A **518**, 129695 (2024), https://doi.org/10.1016/j.physleta.2024.129695. 2. *Kinetic Models of Wealth Distribution Having Extreme Inequality: Numerical Study of Their Stability Against Random Exchanges*, Asim Ghosh, Suchismita Banerjee, Sanchari Goswami, Manipushpak Mitra, Bikas K. Chakrabarti, Invited paper in the Special Issue on "Statistical Physics and Its Applications in Economics and Social Sciences", Entropy **25** (7), 1105 (2023**)**. https://doi.org/10.3390/e25071105 . 3. *Quantum Walker in Presence of a Moving Detector*, Md Aquib Molla, Sanchari Goswami, Physica A **620**, 128775 (2023), https://doi.org/10.1016/j.physa.2023.128775. 4. *A poor agent and subsidy: an investigation through CCM model,* Sanchari Goswami, Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences, **380**, 2224 (2022), **https://doi.org/10.1098/rsta.2021.0166**. 5. *Symmetries in porous flows: recursive solutions of the Brinkman equation in polygonal ducts*, Arijit Das, Sanchari Goswami and Saugata Bhattacharyya, J. Phys. Commun. **5**, 085006 (2021), DOI : 10.1088/2399-6528/ac184a. 6. *Current Reversal in Interacting Colloids under Time-Periodic Drive,* Shubhashis Rana, Sanchari Goswami, Sakuntala Chatterjee and Punyabrata Pradhan, Phys. Rev. E **98**, 052142 (2018), https://doi.org/10.1103/PhysRevE.98.052142. 7. *Fiber Bundle Model under Heterogeneous Loading,* Subhadeep Roy and Sanchari Goswami, Journal of Stat. Phys. **170**, Issue 6, 1197 (2018), https://doi.org/10.1007/s10955-018-1966-4 . 8. *Agent based models for wealth distribution with preference in interaction*, Sanchari Goswami and Parongama Sen, Physica A **415**, 514 (2014), https://doi.org/10.1016/j.physa.2014.08.018. 9. *Thermodynamic Properties of Ultracold Bose Gas: Transition Exponents and Universality*, Sanchari Goswami, Tapan Kumar Das and Anindya Biswas, J. Low Temp. Phys **172**, 184 (2013), https://doi.org/10.1007/s10909-013-0860-3. 10. *Quantum random walk: Effect of quenching*, Sanchari Goswami and Parongama Sen, Phys. Rev. A **86**, 022314 (2012), https://doi.org/10.1103/PhysRevA.86.022314. 11. *Antipersistent dynamics in kinetic models of wealth exchange*, Sanchari Goswami, Arnab Chatterjee and Parongama Sen, Phys. Rev. E **84**, 051118 (2011), https://doi.org/10.1103/PhysRevE.84.051118. 12. *Behavior of heat capacity of an attractive Bose-Einstein Condensate approaching collapse*, Sanchari Goswami, Tapan Kumar Das and Anindya Biswas; Phys. Rev. A **84**, 053617 (2011), https://doi.org/10.1103/PhysRevA.84.053617. 13. *Complex Networks: effect of subtle changes in nature of randomness*, Sanchari Goswami, Soham Biswas and Parongama Sen, Physica A **390**, 972 (2011), https://doi.org/10.1016/j.physa.2010.10.024. 14. *Quantum Persistence: A Random Walk Scenario*, Sanchari Goswami, Parongama Sen and Arnab Das, Phys. Rev. E **81**, 021121 (2010), https://doi.org/10.1103/PhysRevE.81.021121. **Book Chapter:** 1. *Kinetic Exchange Models in Economics and Sociology*, Sanchari Goswami and Anirban Chakraborti, in *Nonlinear Maps and their Applications*, Springer Proceedings in Mathematics & Statistics, Eds. R. Lopez-Ruiz, D. Fournier-Prunaret, Y. Nishio, C. Gracio (Springer, Switzerland, 2015), DOI:10.1007/978-3-319-12328-8_4.

17	Extracurricular Activities	Singing, Poetry
18	Link to personal website (if any)	