

DEPARTMENT Mathematics

PROFILE OF TEACHING STAFF AS ON 30-06-2025

Smt. Samprity Das

- Total Teaching Experience in this College: 7 Years 1 months
- Special Paper/Specialization in M.Sc.: Operational Research

- (a) **Full Name:** Samprity Das
- (b) **Present Designation:** SACT
- (c) **Areas of Specialization:** Astrophysics and Cosmology
- (d) **E-mail ID:** dassamprity19@gmail.com
- (e) **WhatsApp Number:** 9038410880

(f) **Academic Qualifications (From UG Onwards):**

Sl. No.	University/College/Institution from which the Degree was obtained	Name of the Degree e.g., M.A.	Year of Obtaining Degree
1	Shibpur Dinobundhoo Institution (College)	B.Sc	2015
2	University of Burdwan	M.Sc	2017
3	Amity University Kolkata	Ph.D(pursuing)	pursuing

(g) **Teaching Experiences:**

Sl. No.	Name of the University/College/Institution	Period (i.e., From.....to)
1	Shibpur Dinobundhoo Institution (College)	From 24/07/2018 to Present

(h) **Research Experiences:**

Sl. No.	Academic Session	Name of the University/College/Institution	Period (i.e., From.....to)
1	2022 to present	Amity University Kolkata	From 31/10/2022 to present

(i) **RC/OP/FIP/STC Attended:**

Sl. No.	Academic Session	RC/OP/FIP/STC etc.	University/Institution	Period (i.e., From.....to)	Online/Offline
1	2022-2023	RC	University of Delhi, under the aegis of MINISTRY OF EDUCATION	From 26 July to 08 August, 2022	Online

(j) **Projects (Completed):**

Sl. No.	Academic Session	Funding Agency (e.g., UGC-MRP, ICSSR, WBBB etc.)	Project Title	Grant Received (Rs.)	Date of Completion	UC Submitted on

NUMBER OF PUBLICATIONS & CONFERENCE/ SEMINARS

Sl. No.	Academic Session	Published Papers in National Journals (Number)	Published Papers in International Journals (Number)	Book published as Author (Number)	Book published as Editor (Number)	Articles/Chapters Published in Books (Number)	Conference/Seminar Volumes (Number)	Papers accepted/ Presented in Conferences, Seminars, Workshops, Symposia (Number)	Invited Lectures and Chairmanships at National or International Conference/Seminar (Number)	News Paper Publications (Number)	Books Reviewed (Number)
1	2022-2023	0	1	0	0	0	0	1	0	0	0
2	2023-2024	0	3	0	0	0	0	2	0	0	0
3	2024-2025	0	2	0	0	0	0	6	0	0	0

DETAILED LIST OF PUBLICATIONS

(a) **JOURNALS (International)**

Sl. No.	Title with Page No.	Journal	ISSN No.	Whether peer-reviewed.	Impact factor, if any.	No. of Co-Authors	Whether you are the sole author
1	Modified Gravity Description of Neutron Star in the f(R) Framework	AXIOMS	ISSN: 2075-1680	YES	1.6	2	No
2	Study of Neutron Star in f(T) and f(G) gravity framework with Polytrropic Gas Background	Annals of Physics	Online ISSN: 1096-035X. Print ISSN: 0003-4916	YES	3.0	2	No
3	Neutron Star Evolution in f(Q) Modified Gravity Framework	Journal of Computational and Theoretical Transport	Print ISSN: 2332-4309 Online ISSN: 2332-4325	YES	1.1	2	No
4	Realistic compact objects in the f(R, T) gravity in the background of polytropic and barotropic gas models	Physica Scripta	ISSN: 1402-4896	YES	2.6	1	No
5	Evolution of realistic neutron star in the framework of f(Q) gravity	Astroparticle Physics	Print ISSN: 0927-6505. Online ISSN: 1873-2852	YES	2.9	1	No

6	Relativistic model of an anisotropic star with Bose-Einstein dark matter density profile in $f(T)$ gravity	Nuclear Physics, Section B	ISSN: 0550-3213	YES	2.8	2	No
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● **Papers accepted/Presented in Conferences, Seminars, Workshops, Symposia**

Sl. No.	Title of the Paper Presented	Title of Conference / Seminar	Organized by	Whether International /National/State/Regional/ College or University Level
1	Compact Star under the purview of Modified Theory of Gravity with MIT Bag model	PROF. M. R. GUPTA MEMORIAL SEMINAR ON NON LINEAR AND COMPLEX PHENOMENA	Calcutta Mathematical Society	National
2	Neutron star evolution in $f(Q)$ modified gravity framework	International Conference on Applied Mathematics and Mechanics (ICAMM 2023)	IIT Indore	International
3	Compact stars under the purview of a modified theory of gravity with MIT Bag model	International Conference organized by : Indian Mathematical Society (IMS 2023)	Indian Mathematical Society	International
4	Compact Star under the purview of modified gravity Framework	45th COSPAR Scientific Assembly 2024, Bexco, Busan, South Korea	Committee of Space Research	International
5	Compacts star under the purview of a modified theory of gravity with modified Chaplygin gas model	Emerging Frontiers in Mathematical and Computational Sciences (EFMCS-2024)	Department of Mathematics, North-Eastern Hill University (NEHU), Shillong, India	International
6	Compact stars under the purview of modified $f(T)$ gravity in Modified Chaplygin gas and MIT Bag model background	FrontSci-2025, National Conference on Frontier Research in Sciences	Department of Mathematics, Bioinformatics and Computer Applications, Maulana Azad National Institute of technology(MANIT), Bhopal	National
7	Compact star under the purview of a modified theory of gravity with Modified Chaplygin gas model	Conference on Advances in Astrophysics Cosmology	IUCAA Centre for Astronomy Research Development (ICARD), Aliah University and Calcutta University	National
8	Neutron star evolution in $f(Q)$ modified gravity framework	International Conference on Relativity Astrophysics, Cosmology and Quantum Realities	ICARD, Department of Physics, Malda college, Malda and IUCAA, Pune	International