DEPARTMENT M A T H E M A T I C S

PROFILE OF TEACHING STAFF AS ON 30-06-2025

Dr. Subhajit Giri

- Total Teaching Experience in this College: ......1.... Year ......6.... months

- Special Paper/Specialization M.Sc.: Fluid Dynamics

(a) **Full Name:** Subhajit Giri

(b) **Present Designation:** Assistant Professor

(c) **Areas of Specialization:** Applied Mathematics

(d) **E-mail ID:** subhajitgiri92@gmail.com

(e) **WhatsApp Number:** 9085293324

(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	Vidyasagar University	B.Sc.	2013
2	IIT Guwahati	M.Sc.	2015
3	Tezpur University	Ph.D.	2021

(g) **Teaching Experiences:**

Sl. No.	Name of the University/College/Institution	Period (i.e., From.........to ....)
1	The ICFAI University, Tripura	07.04.2022 to 09.12.2023
2	Shibpur Dinobundhoo Institution (College)	13.12.2023 to Present

(h) **Research Experiences:**

Sl. No.	Academic Session	Name of the University/College/Institution	Period (i.e., From.........to ....)
1	2015-2020	Tezpur University	22.07.2015 to 10.11.2020

(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	2024-2025	FIP	Mizoram University	24.04.2025 to 21.05.2025	Online

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	2018-2019	0	0	0	0	0	0	1	0	0	0
2	2019-2020	0	0	0	0	0	0	1	0	0	0
3	2020-2021	0	1	0	0	1	0	0	0	0	0
4	2021-2022	0	0	0	0	0	1	1	0	0	0
5	2022-2023	0	2	0	0	0	0	0	0	0	0
6	2023-2024	0	0	0	0	0	1	0	0	0	0
7	2024-2025	0	0	0	0	0	0	1	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	A new class of diagonally implicit Runge-Kutta methods with zero dissipation and minimized dispersion error	Journal of Computational and Applied Mathematics	0377-0427	Yes	2.6	1	No
2	An improved class of three stage low-dispersion low-dissipation diagonally implicit Runge-Kutta method	Aerospace Science and Technology	1270-9638	Yes	5.8	1	No
3	Phase Error Analysis of Implicit Runge-Kutta Methods: New Classes of Minimal Dissipation Low Dispersion High Order Schemes	Journal of Scientific Computing	0885-7474	Yes	3.3	1	No

(b) **BOOKS/BOOK CHAPTER**

- **Articles/Chapters Published in Books**

Sl. No.	Title with Page No.	Book Title, Editor, and Publisher	ISSN/ ISBN No.	Whether peer-reviewed	No. of co-authors	Whether you are The Sole author
1	A new four stage low-dissipation low-dispersion explicit Runge-Kutta scheme	RECENT TRENDS IN BASIC SCIENCE RESEARCHES IN NORTH-EAST INDIA, Assam Science Society, Hailakandi Branch, pp. 115-121, 2021.	978-81-953494-5-6	Yes	1	No

- **Conference/ Seminar Volumes**

Sl. No.	Title with Page No.	Details of Conference Publication	ISSN/ ISBN	No. of co-authors	Whether you are The Sole author
1	A new (3, 3) low dispersion upwind compact scheme	CSMCS 2020. Communications in Computer and Information Science, vol 1345. Springer, Singapore, 2021	1865-0929	1	No
2	Product pricing and return refund strategy in two layer supply chain	AIP Conference Proceedings, vol. 2943, AIP Publishing LLC, 2023	0094-243X	3	No

- **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	Dissipation and dispersion relation preserving optimized high order implicit Runge-Kutta schemes	63rd Congress of the Indian Society of Theoretical and Applied Mechanics (An International Conference)	Dayananda Sagar University, Bangalore, India.	International
2	A new class of dispersion relation preserving optimized higher-order upwind compact schemes	International conference on Applied Mathematics in Science and Engineering	Siksha `O' Anusandhan (Deemed to be University), Bhubaneswar, India.	International
3	A new four stage low-dissipation low-dispersion explicit Runge-Kutta scheme	International conference on Emerging Trends in Pure and Applied Mathematics	Tezpur University, Tezpur, India.	International
4	A new four stage second order explicit R-K scheme with low dissipation and minimized dispersion error	National Conference on Recent Trends in Mathematics and Its Applications	Department of Mathematics & IQAC Bidhan Chandra College, Asansol, India	National