

: FACULTY DETAILED RESEARCH DATA:

Name of the Faculty: TANMOY PAL

Designation: ASSISTANT PROFESSOR

Department: MATHEMATICS

School: BASIC SCIENCES

Research Area: FLUID DYNAMICS

Details of research portfolio of faculty:

A. Researcher's ID details:

Google Scholar ID: QqDi1lAAAAJ

Orchid ID: 0000-0001-6561-2073

Scopus ID: 57471976800

Vidwan ID: 525876

B. Publication details:

1. Conference proceedings/ Conference paper:

Sl. No.	Name of the Conference	Title of the paper	Month & Year of Publication	Author(s) Name	National/ International	doi number (if any)	ISSN/ISBN no.

2. Publications in SCI/Scopus indexed Journals:

Sl. No	Name of the Journal (mention SCI/scopus)	Title of the paper	Month & Year of Publication	Author(s) Name (Highlight the corresponding and 1 st author in every article)	doi number	Issue No. & Volume No.	Page no.	ISSN of the journal
1	The ANZIAM	Nonlinear self-	2023	Tanmoy Pal And Asoke	10.101	65(3)	248-	1446-

	Journal	modulation of gravity-capillary waves on shear currents in finite depth.		Kumar Dhar	7/S144 618112 300019 6		272	8735
2	Ocean Dynamics	Weakly nonlinear modulation of interfacial gravity-capillary waves.	2024	Tanmoy Pal And Asoke Kumar Dhar	10.100 7/s1023 6-023- 01594- 4	74	133 – 147	1616- 7228
3	Physics of Fluids	Current modified higher-order Schrödinger equation of broader bandwidth capillary-gravity waves	2023	Tanmoy Pal And Asoke Kumar Dhar	10.106 3/5.017 5023	35 (12)	1271 04	1089- 7666
4	Meccanica	Linear-shear-current modified nonlinear Schrödinger equation for gravity-capillary waves on deep water	2024	Tanmoy Pal And Asoke Kumar Dhar	10.100 7/s1101 2-024- 01800- 7	59	743– 759	1572- 9648
5	Recent Research on Hydrogeology, Geoecology and Atmospheric Sciences	Instability and Evolution of Nonlinearly Interacting Capillary Gravity Waves Over Finite Depth	2023	Shibam Manna, Tanmoy Pal And Asoke Kumar Dhar	10.100 7/978- 3-031- 43169- 2_62	1		2522- 8714
6	Fluid Mechanics and Fluid	Stability Analysis from Fourth-	2024	Tanmoy Pal And Asoke Kumar Dhar	10.100 7/978-	5		2195- 4356

	Power	Order Nonlinear Multiphase Deep Water Wavetrains			981-99- 6074- 3_44			
7	Ocean Dynamics	Stability analysis of finite amplitude interfacial waves in a two-layer fluid in the presence of depth uniform current	2022	Tanmoy Pal And Asoke Kumar Dhar	10.100 7/s1023 6-022- 01503- 1	72	241– 257	1616- 7228

3. Book chapter:

Sl. No.	Title of the book	Publishers	Author(s) Name (Highlight the corresponding and 1 st author in every article)	Year	ISBN No.	doi no. (if applicable)
1	Computational Techniques in Modern Engineering Research	Bright Sky Publications	Tanmoy Pal and Aritra Dutta	2024	978-93-6233-525-8	https://doi.org/10.62906/bs.book.210
2	Computational Techniques in Modern Engineering Research	Bright Sky Publications	Tanmoy Pal and Sayanti Majumdar	2024	978-93-6233-525-8	https://doi.org/10.62906/bs.book.210
3	Computational Techniques in Modern Engineering Research	Bright Sky Publications	Tanmoy Pal and Sayanti Majumdar	2024	978-93-6233-525-8	https://doi.org/10.62906/bs.book.210
4	Computational Techniques in Modern Engineering Research	Bright Sky Publications	Tanmoy Pal	2024	978-93-6233-525-8	https://doi.org/10.62906/bs.book.210
5	Computational Techniques in Modern Engineering Research	Bright Sky Publications	Tanmoy Pal and Sayanti Majumdar	2024	978-93-6233-525-8	https://doi.org/10.62906/bs.book.210

4. Text/Reference book published from reputed national/international publishers:

Sl. No.	Title of the Text/Reference book	Publishers	Author(s) Name (Highlight the corresponding and 1 st author in every article)	Year	ISBN No.	doi no. (if applicable)

5. Project granted:

Sl. No	Sponsoring Agency	Name of the project	Duration		Amount in Lakhs	PI/ CO-PI
			Starting Month & Year	Ending month & Year		

6. Consultancy Project Grant:

Sl No.	Project title	Funding Agency	Duration	Completed (yes/no)	Sanctioned amount (in Rs.)	PI and CO-PI (if any)

7. Patent/IPR granted:

Sl. No.	Name of the patent	Name of the applicant	Name of the inventor	Date of File	Date of Publication	Whether Granted (yes/no); If yes, Date of Grant	Application No.

8.