CURRICULUM VITAE

1. **Full name** : Arijit Das

2. **Specialization** : Fluid Mechanics, Water Waves, Integral Equations,Integral Transforms.

3. **Address:**
   Residential :Bamunpara,
   Ramkrishnabati, Dankuni, Hooghly, West
   Bengal, India. Pin-712311

   Email: arijit.das.cu@gmail.com
   Phone (Mobile): (+91) 9804223915, (+91) 7059431169

4. **Academic Qualifications**

Examination / Degree	Board / Council / University / other examining body	Year of passing	Division / Class	Subjects / Discipline
B.Sc. (HONS)	UNIVERSITY OF CALCUTTA	2013	1st Class(70.25%)	Mathematics(Hons), Physics, Chemistry
M.Sc	UNIVERSITY OF CALCUTTA	2015	1st Class (78.4%)	Applied Mathematics
B.Ed	UNIVERSITY OF CALCUTTA	2017	1st Class (78.4%)	

Degree	Title of Research	University/Institute	Degree obtained Year
Ph.D.(Sc.) in Applied Mathematics	ON SOME WATERWAVE PROPAGATION PROBLEMS	UNIVERSITY OF CALCUTTA **Guide's Name: Dr.Soumen De** Department of Applied Mathematics, University of Calcutta. **Prof. B.N. Mandal** PhD,FNASc(India),FIMA(UK), CMath(UK),FWIGB(UK) Professor(Retired), ISI Kolkata, NASI Senior Scientist Platinum Jubilee Fellow(2009-2014)	April, 2023

5. **Academic Positions held/ holding:**

Name of the Employer	Post held	Duration	
		From	**To**
UNIVERSITY OF CALCUTTA	Junior Research Fellow	21.09.2017	20.09.2019
UNIVERSITY OF CALCUTTA	Senior Research Fellow	21.09.2019	30.07.2022
SWAMI VIVEKANANDA UNIVERSITY	Assistant Professor	01.08.2022	To date

6. **Research interests**:

- FLUID MECHANICS
- WATER WAVES
- INTEGRAL EQUATIONS

7. **List of publications**:

Total number publications	11
Number of **SCI Journal** publications	11

My list of publications can also be found at

https://www.researchgate.net/profile/Arijit-Das-41/research

a) Journals:

1. **Arijit Das,** Soumen De and B.N. Mandal, **(2020)** Radiation of waves by a thin cap submerged in ice covered ocean, *The Quarterly Journal of Mechanics and Applied Mathematics (* OXFORD UNIVERSITY PRESS*)*, **73(4)**, 261-278. **[SCI, IF- 1.265].**
   DOI: https://doi.org/10.1093/qjmam/hbaa011

2. **Arijit Das,** Soumen De and B.N. Mandal, **(2022)** Small Amplitude Water Wave Propagation Through Mangrove Forests Having Thin Viscoelastic Mud Layer, *Waves in Random and Complex Media (* Taylor & Francis an informa business*)*, *32(3),* 1251-1268.**[SCI, IF-4.853**].

   DOI: https://doi.org/10.1080/17455030.2020.1817624

3. **Arijit Das,** Soumen De and B.N. Mandal, **(2021)** Wave Motion through Mangrove Forests in the Presence of a Viscoelastic Bed Due to a Line Source, *Journal of Applied Fluid Mechanics (Isfahan University of Technology* *)* **14(4),** 1269-1282**. [SCI, IF-1.405].**

   DOI: https://doi.org/10.47176/jafm.14.04.31980

4. **Arijit Das,** Soumen De and B.N. Mandal, **(2021)** Radiation of waves by a submerged nearly circular rough plate in ice covered ocean, *Studies in Applied Mathematics (* WILEY*),* **147(3)** , 935-954. **[SCI, IF-3.000].**
   DOI: https://doi.org/10.1111/sapm.12414

5. **Arijit Das,** Soumen De and B.N. Mandal, *(2022)*. Radiation and scattering of flexural-gravity waves by a submerged porous disc. *Meccanica(* Springer *)*, **57**, 1557-1573*.**10.1007/s11012-022-01510-y.*** [SCI, IF-2.258].
    DOI: https://doi.org/10.1007/s11012-022 01510-y

6. **Arijit Das,** Soumen De and B.N. Mandal, *(2022)*. Radiation of water waves by a heving submerged disc in a three-layer fluid. *Journal of Fluids and Structures.(* ELSEVIER *)111, 103575. 10.1016/j.jfluidstructs.2022.103575.*
    [SCI, IF-2.917].
    DOI: : https://doi.org/10.1016/j.jfluidstructs.2022.103575

7. **Arijit Das**, Soumen De and B.N. Mandal, (2023) Wave interaction with an elliptic disc submerged in a two-layer fluid, *Applied Mathematical Modelling*, (ELSEVIER), 117, 786-801. [SCI, IF-5.336].
    DOI: https://doi.org/10.1016/j.apm.2023.01.016

8. Selina Hossain, Sandip Paul, Soumen De, **Arijit Das,**(2022) Generation of waves by moving oscillatory pressure disturbances in presence of porous bottom, *Archive of Applied Mechanics,* (Springer), 92(9), 2713-2731. [SCI, IF-2.467].
    DOI: https://doi.org/10.1007/s00419-022-02212-3.

9. Selina Hossain, **Arijit Das** and Soumen De, (2023) The influence of flexible bottom on wave generation by an oscillatory disturbance in the presence of surface tension, *Geophysical & Astrophysical Fluid Dynamics* (Taylor & Francis an informa business),117(3), 177-212,[SCI, IF-1.451]
    DOI: https://doi.org/10.1080/03091929.2023.2207018 .

10. Selina Hossain, **Arijit Das**, Soumen De, and B.N. Mandal (2023) Gravity waves generated by an oscillatory surface pressure in a two-layer fluid with a porous bottom, *Journal of Engineering Mathematics(Springer)*, 143(2) .
    DOI: https://doi.org/10.1007/s10665-023-10298-z .

11. **Arijit Das** and Soumen De, (2025), Water Wave Interaction with a Submerged Porous Disc in a Two-Layer Fluid, *Physics of Fluids*, 37(2).
    DOI: https://doi.org/10.1063/5.0255719

b) Conference Proceedings and Book Chapters:

1. Selina Hossain, **Arijit Das** and Soumen De, (2022) Effects of Flexible Bottom on Generation of Surface Waves by A Moving Oscillatory Disturbance, Proceedings of 9 th Hydroelasticity in marine technology Rome, Italy, July 10th-13th.
2. Anuradha Biswas, **Arijit Das** and Soumen De, (2025) Wave structure interaction problem on an immersed prolate spheroid in the presence of surface tension, Proceedings of 11 th International Conference on Mathematics and Computing: ICMC 2025, Volume 1, Lecture notes in Networks and Systems (publisher: Springer) (Accepted). [SCOPUS]

Honour & Awards:

*   NET (National Eligibility Test), December 2016(CSIR-UGC).(JRF AIR-74)
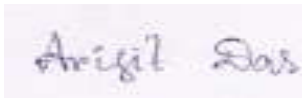
1. Training courses/ workshop/Refresher Course attended

Sl. No.	Program	Duration	Organized by
1.	Course on Integral Transformations, Distributions, Wavelet Analysis, and Applications,2018.	One Week	Indian Institute of Technology, Dhanbad.
2	Workshop on Time Domain Analysis on Hydro elasticity Problems, 2019.	One Week	Indian Institute of Technology, Kharagpur.
3	Online FDP on "Coastal & Offshore Engineering"	One Week	Indian Institute of Technology, Guwahati.

4	International Workshop on Numerical and Analytical Techniques in Engineering Problems, 2020.	Two Days	SRM Institute of Science and Technology,Chennai
5	International Workshop on Numerical and Analytical Techniques in Engineering Problems, 2022.	Three Days	SRM Institute of Science and Technology,Chennai

a. **Details of invited lectures / papers presented in Conferences / Seminars, etc.**

Sl. No.	Title of the paper	Title of Conference/Seminar	Organized by	
1	Wave Motion through Mangrove Forests in the Presence of a Viscoelastic Bed Due to a Line Source.	International conference on recent advances in mathematics and its application, 2019.	Department of Mathematics, Tripura University	International
2	Radiation of flexural gravity waves by a nearly circular rough plate submerged in an ice-covered ocean	Recent Advances in Applied Mathematics: Theory and Computation 2021.	Department of Mathematics, University of Calcutta	National

Signature

(Arijit Das)