Faculty Profile

1. Personal Details:

a. **Name of the Faculty: Prof. (**Dr.) Dilip Das

b. **Academic Degrees: M.Sc.,** Ph.D.

c. **Department:** Department of Mathematics

d. **Designation:** Professor

e. **Email id:** dilipdas99@gmail.con, dilipdas@dhwu.ac.in

f. **Courses Taught:** Applied Mathematics(Complex Analysis, Partial Differential Equation, Calculus of Variation, Fluid Mechanics)

g. **Area of Research Interests:** Fluid Mechanics, Linear Theory of Water Waves

h. **Teaching Experience [substantive post only]:**
   - Assistant Professor, Department of Mathematics, Shibpur Dinobundhoo Institution (College), Howrah . [January, 2007-December, 2016]
   - Associate Professor, Department of Mathematics, Diamond Harbour Women's University, South 24 Paraganas. [22nd December, 2016 to 16th August, 2020]
   - Professor, Department of Mathematics, Diamond Harbour Women's University, South 24 Paraganas. [17th August, 2020--continue]

i. **Administrative Experience:**

   - Dean, Faculty of Sciences, Diamond Harbour Women's University. (July, 2022 to Continue)

   - Member of Court, Diamond Harbour Women's University

   - Member, Executive Council, Diamond Harbour Women's University

   - Member, Finance Committee, Diamond Harbour Women's University

   - Member, Faculty Council of Science, Diamond Harbour Women's University

   - Member, IQAC, Diamond Harbour Women's University

- Convenor, Ph.D. cell for Science, Diamond Harbour Women's University

- Member, Library Committee, Diamond Harbour Women's University

- Member, NSS Advisory committee, Diamond Harbour Women's University

- Secretary, Faculty Council .of Science, Diamond Harbour Women's University (January, 2022 to July, 2022)

- Head, Department of Mathematics, Diamond harbour Women's University (22nd December, 2016 to June, 2019).

1. Research Publications [Last 5 Years]:

Serial No.	Title of the ResearchPaper	Level [international / national/state]	ISBN/ISSN	Name of the Publishing Agency	Year of Publica-tion
1	Water wave diffraction by a submerged prolate spheroid in ice-covered water, Mita Majumder and Dilip Das,	International	Online ISSN: 1095-8622 Print ISSN: 0889-9746	*J. Fluid and Stucture*	2023
2	Wave radiation by a horizontal circular cylinder in a three-layer fluid, Minakshi Ghosh and Dilip Das, 1-19	International	0309-1929 (print) 1029-0419 (web)	*Geophysical & Astrophysical Fluid Dynamics*	2023
3	Wave Scattering by a Submerged Sphere in Three-Layer Fluid, M. Ghosh, M. Sahu and Dilip Das, 21 (1), 37-50	International	Electronic ISSN 1993-5048 Print ISSN 1671-9433	*J. Mar. Sci. Appl.*	2022
4	Water Wave Radiation by a Submerged Circular Cylinder in Uniform Finite Depth Water with Ice-Cover, M. Sahu and Dilip Das, 15 (1), 1-12	International	Print ISSN 0973-4570 Online ISSN 0974-4797	*International Journal of Lakes and Rivers*	2022
5	Cut-off Frequencies for Oblique Waves Scattering in Three-layer Fluid, M. Majumder and Dilip Das, 17 (1), 36-40	International	Print ISSN 0973-4562 Online ISSN 0973-9769	*International Journal of Applied Engineering Research*	2022
6	Hydrodynamic forces on a submerged circular cylinder in two-layer fluid with an ice-cover, M. Sahu and Dilip Das, **23;**282-294	International	ISSN:1007-6735	*J Univ Shan Sci Tech*	2021
7	Wave radiation by a sphere in three- layer fluid, Dilip das and M. Sahu, **107;** 102492	International	ISSN:0141-1187	*Appl. Ocean Research.*	2021
8	Hydrodynamic forces on a submerged horizontal circular cylinder in uniform	International	ISSN:2353-9003	*Int. J. App. Mech. Engng*	2020

	finite depth ice covered water, M. Sahu and Dilip Das, **25;**219-227				
9	Oblique waves scattering in three-layer fluid, Dilip Das and M. Majumder, **112;**117-138	International	ISSN:0008-0659	***Bull. Cal. Math. Soc.***	2020
10	Wave Radiation by a horizontal circular cylinder submerged in deep water with ice-cover, Dilip Das and M. Sahu, **4;**49-54	International	ISSN: 2468-0133	***J. Ocean Engng. Sci.***	2019

2. Research papers presented in conferences/seminars [Last 5 years]:

Sl. No.	Title of Paper	International /National	Organized by	Title of the Seminar/ Conference
1.	Oblique Waves scattering in three-layer fluid	International	Calcutta Mathematical Society, Kolkata-64	ICAHM MSMM-2019
2.	Very Large Floating Structures(VLFS): A water Wave problem	National; Invited	The Neotia University, West Bengal	MFA-2019
3.	Very Large Floating Structures(VLFS): Application and Analysis under water wave theory	National; Invited	DIATM, Durgapur	RTASH-2019

3. Research Projects: N.A.

4. E-learning material, if any: NA

Course Details	Name of the Institution	Date/year of uploading	Quadrant I, II, III, IV	Link

5. Research Supervision (Ph.D./M.Phil.):

Serial No.	Name of the student	Research Topic	Name of the instituti	Date of Registration	Year of Award of the Degree

			on		
1	Manomita Sahu	WAVE CATTERING AND RADIATION PROBLEMS BY AN OBSTACLES SUBMERGED IN WATER	Diamond Harbour Women's University	2019	10.02.2023
2.	Nityananda Thakur	Effect Of Elastic Plate (Ice-Cover) On Water Wave Problems Created By Floating And Submerged Bodies	University of Calcutta	2013	25.02.2019

6. Programmes Conducted / Organised as Convenor / Organising Secretary at DHWU [Last Five Years]: NA

Serial No.	Date	Name of the Programme	Sponsored By

7. Other Relevant Information, if any:

Serial No.	Achievements / Awards	Assignment Details [Membership of Professional Bodies/Editorial Board/BOS/BORS etc.]
1		BOS Member, Diamond Harbour Women's University
2		BORS Member, Diamond Harbour Women's University
8	Life Membership	Calcutta Mathematical Society
9		BOS Member, Narendrapur Ramakrishna Mission Residential College (Autonomous) (2009 to 2021)

Date: 20-04-2023