**Name: Dr. Sandip Paul**

**Qualification: Ph. D.**

**Domain Specialization: Fluid Mechanics**

**Academic Experience: 14 years**

**Research Publications:**

| Sl. No. | Paper Details | Publisher | Year | Index |
|---|---|---|---|---|
| **1** | Satarupa Dutta, **Sandip Paul** and Rupak Bhattacharyya, Dependence of Employability of Scheduled Caste Population on Literacy – An Analytic Case Study on West Bengal, *Adamas Technical Review*, 1(1), 59-64 (2014). [ISSN: 2348-3385] | **Adamas Technical Review (ATR)** | **2014** | **---** |
| **2** | **Sandip Paul** and Soumen De, Wave scattering by porous bottom undulation in a two layered channel, *Journal of Marine Science and Application*, **13**, 355-361 (2014). **[SCOPUS**, ISSN: 1671-9433**]**. | **Springer** | **2014** | **SCOPUS** |
| **3** | **Sandip Paul** and Soumen De, Scattering of water wave by undulating porous bed topography in an ice-covered ocean, *Springer Proceedings in Mathematics & Statistics*, **146**, 257-269 (2015). [**SCOPUS** , ISSN: 2194-1009] | **Springer** | **2015** | **SCOPUS** |
| **4** | **Sandip Paul** and Soumen De, Wave scattering by uneven porous bottom in a three layered channel, *Journal of Marine Science and Technology*, **22**(3), 533-545 (2017). **[SCI,** ISSN: 0948-4280**]** | **Springer** | **2017** | **SCI** |
| **5** | **Sandip Paul** and Soumen De, Effects of vertical porous barrier on progressive waves in a two layered fluid, *Ocean Engineering*, **156**, 153-166 (2018). **[SCI,** ISSN: 0029-8018**]** | **Elsevier** | **2018** | **SCI** |
| **6** | **Sandip Paul** and Soumen De, Wave Scattering by a Submerged Plate in a Two-Layer Fluid of Finite Depth, *AIP Conf. Proc.*, **1975**, 030032-1–030032-9 (2018). [**SCOPUS**, ISSN: 0094-243X] | **AIP Publishing** | **2018** | **SCOPUS** |
| **7** | **Sandip Paul** and Soumen De, Scattering of water waves by a rectangular submarine trench in an ice-covered ocean, *Book of proceedings of the 23rd Symposium on the Theory and Practice of Shipbuilding*, 18-26 (2018), Split, Croatia.[ ISBN: 978-953-290-085-9] | **SORTA** | **2018** | **---** |
| **8** | Anjan Sasmal, **Sandip Paul** and Soumen De, The influence of surface tension on oblique wave scattering by a rectangular trench, *Journal of Applied Fluid* | **JAFM** | **2019** | **SCI** |

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| | *Mechanics*, **12**(1), 233-241 (2019). **[SCI,** ISSN: 1735-3572**]** | | | |
| **9** | **Sandip Paul** and Soumen De, Water wave scattering by asymmetric trench beneath ice cover, *Book of proceedings of the 34th IWWWFB 2019, 145-148, Newcastle, Australia*. [ISBN: 978-0-646-80052-3] | **IWWWFB** | **2019** | |
| **10** | Anjan Sasmal, **Sandip Paul** and Soumen De, The effect of porosity on oblique wave diffraction by two unequal vertical barriers. *Journal of Marine Science and Application*, **18**(4), 1-14(2019). **[SCOPUS**, ISSN: 1671-9433 **]** | **Springer** | **2019** | **SCOPUS** |
| **11** | **Sandip Paul**, Anjan Sasmal and Soumen De, Interaction of oblique waves with an ice sheet over an asymmetric trench, *Ocean Engineering*, **193** (2019). Article Number: 106613. **[SCI,** ISSN: 0029-8018**]** | **Elsevier** | **2019** | **SCI** |
| **12** | **Sandip Paul**, Anjan Sasmal and Soumen De, Oblique wave scattering by a symmetric trench submerged beneath an ice-cover, *Journal of Waterway, Port, Coastal, and Ocean Engineering*, 146(1) (2020). Article Number: 04019030. [**SCI,** ISSN: 0733-950X**]** | **American Society of Civil Engineers** | **2020** | **SCI** |
| **13** | Uma Basu, **Sandip Paul** and Soumen De, Interface wave diffraction by a permeable thin barrier, *Proceedings of the 14th International Conference on Vibration Problems, Lecture Notes in Mechanical Engineering*, 59-69. [**SCOPUS**, ISSN: 2195-4356] | **Springer** | **2021** | **SCOPUS** |
| **14** | **Sandip Paul** and Soumen De, Interaction of flexural gravity wave in ice cover with a pair of bottom-mounted rectangular barriers, *Ocean Engineering*, **220** (2021). Article Number: 108449 **[SCI,** ISSN: 0029-8018**]** | **Elsevier** | **2021** | **SCI** |
| **15** | Biman Sarkar, **Sandip Paul** and Soumen De, Water wave propagation over multiple porous barriers with variable porosity in the presence of an ice cover. *Meccanica*, **56**, 1771–1788 (2021).**[SCI,** ISSN: 1572-9648**]** | **Springer** | **2021** | **SCI** |
| **16** | Biman Sarkar, **Sandip Paul** and Soumen De, Effects of flexible bed on oblique wave interaction with multiple surface-piercing porous barriers. *Zeitschrift fuer Angewandte Mathematik und Physik (ZAMP)*,**72**, Article Number: 83 (2021). **[SCI,** ISSN: 1420-9039**]** | **Springer** | **2021** | **SCI** |
| **17** | Selina Hossain, **Sandip Paul** and Soumen De, Effects of bottom permeability on wave generation by a moving oscillatory disturbance in magneto-hydrodynamics, *Waves in Random and Complex Media*. Article ID: TWRM 2026525. **[SCI,** ISSN: 1745-5030**]** | **Taylor & Francis** | **2022** | **SCI** |

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| **18** | **Sandip Paul** and Soumen De, Propagation of oblique flexural gravity waves over finite number of steps. *Journal of Applied Mechanics and Technical Physics.* **63(2),** 199-209 (2022) . **[SCI,** ISSN 0021-8944**]** | **Springer** | **2022** | **SCI** |
| **19** | Selina Hossain, **Sandip Paul**, Soumen De and Arijit Das, Generation of waves by moving oscillatory pressure disturbances in presence of porous bottom, *Archive of Applied Mechanics*, **92**, 2713-2731 . (2022) **[SCI,** ISSN: 0939-1533] | **Springer** | **2022** | **SCI** |

**List of Faculty Development Programme:**

| Sl. No | Details |
|---|---|
| 1 | ATAL Faculty Development Programme on "**Mathematical Modelling for Problems in Coastal and Offshore Engineering**" held during September 14-18, 2020. |
| 2 | ATAL Faculty Development Programme on "**Mathematical Tools and Recent Advances in Applied Mathematics(MTRAAM)**" from 16/08/2021 to 20/08/2021 at Madan Mohan Malaviya University of Technology, Gorakhpur. |
| 3 | Online International Faculty Development Programme on "**Applications of Machine Learning**" from 22/02/2022 to 26/02/2022 jointly organized by the department of CSE, Dr. B. C. Roy Engineering College, Durgapur and Nodal Center, Zone 2, MAKAUT. |
| 4 | Science Academy's Lecture Workshop on **"Fluid Flow through Porous Media and its Application (FTPMA-2015)"** 25– 27, December 2015. Organized by Department of Applied Mathematics, Indian School of Mines, Dhanbad, India. |
| 5 | International workshop on "**Numerical and Analytical Techniques in Engineering Problems (IWNATEP-2022)**" organized by the Department of Mathematics held on January 19-21, 2022 at SRM Institute of Science and Technology KattanKunathur, Tamil Nadu, India. |