

CURRICULUM VITAE

1. **Full name of the faculty member:** Soumen De
2. **Specialization :** Continuum Mechanics, Fluid Mechanics,
Water Waves, Integral Equations
3. **Address:**
(a) **Official:** Department of Applied Mathematics
University of Calcutta
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- (b) **Residential:** Sonartoree Apartment
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Kolkata-700074

4. Academic Qualifications

Examination / Degree	Board / Council / University / other examining body	Year of passing	Division / Class	Subjects / Discipline
B.Sc. (HONS)	VIDYASAGAR UNIVERSITY	2002	1st Class 1st	Mathematics(Hons), Physics, Computer Science
M.Sc in Applied Mathematics	UNIVERSITY OF CALCUTTA	2004	1st Class 1st	Applied Mathematics Special Paper: Fluid Mechanics
Degree	Title of Research	University/Institute		Degree obtained Year
Ph.D.(Sc.) in Applied Mathematics	SOME PROBLEMS ON WATER WAVE SCATTERING	INDIAN STATISTICAL INSTITUTE, KOLKATA. Guide's Name: 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)		DEGREE OBTAINED NOVEMBER 2009 FROM UNIVERSITY OF CALCUTTA

5. Academic Positions held/ holding:

Name of the Employer	Post held	Duration	
		From	To
Indian Statistical Institute, Kolkata	Junior Research Fellow	01.09.2004	31.08.2006
Indian Statistical Institute, Kolkata	Senior Research Fellow	01.09.2006	11.04.2007
DUMDUM MOTIJHEEL COLLEGE	ASSISTANT PROFESSOR (Stage-1)	12.04.2007	11.11.2008
UNIVERSITY OF CALCUTTA	ASSISTANT PROFESSOR (Stage-1)	12.11.2008	11.04.2011
UNIVERSITY OF CALCUTTA	ASSISTANT PROFESSOR (Stage-2)	12.04.2011	11.04.2016
UNIVERSITY OF CALCUTTA	ASSISTANT PROFESSOR (Stage-3)(due)	12.04.2016	11.04.2019
UNIVERSITY OF CALCUTTA	ASSOCIATE PROFESSOR (due)	12.04.2019	Continue

6. Research interests:

- CONTINUUM MECHANICS
- FLUID MECHANICS
- WATER WAVES
- COMPUTATIONAL FLUID DYNAMICS
- INTEGRAL EQUATIONS

7. Foreign Assignments:

Sl. No.	University, Country	Period of Visit	Duration of Visit	Purpose	Sponsor
1.	National Technical University of Athens. Greece, Europe	15-21 April, 2011	One Weeks	26th International Workshop on Water Waves and Floating Bodies (IWWFB), organized by National Technical University of Athens, Greece	Travel Fellowship, DST, Government of India
2.	University of Zagreb, Croatia, Europe	14-20 September, 2015	One Week	7th International Conference on Hydroelasticity in Marine Technology (HYEL), organized by University of Zagreb, Croatia	CICS travel fellowship and UGC travel fellowship

3.	University of Split, Croatia, Europe	22-30 September, 2018	One Week	23RD SYMPOSIUM ON THE THEORY AND PRACTICE OF SHIPBUILDING, ORGANIZED BY UNIVERSITY OF SPLIT, CROATIA	Travel Fellowship, SERB, DST, Government of India
4.	The University of Newcastle, Australia	05-11 April, 2019	One Week	34th International Workshop on Water Waves and Floating Bodies (IWWWF), organized By Newcastle University, Australia	SERB, DST, Government of India

8. Research guidance:

Sl. No.	Name of the Student	Title of Thesis	Year of award of Degree	University
1.	Rajdeep Maiti (Co-Supervisor)	Water Wave Scattering In Presence of Surface Discontinuity, Porosity And Bottom Undulations	2016	University of Calcutta
2.	Satyasaran Changdar (Supervisor)	Some Problems On The Nonlinear Blood Flow Through Stenosed Arteries	2018	University of Calcutta
3.	Ranita Roy (Supervisor)	Water Wave Scattering by Obstacles of Different Geometrical Configurations	2019	University of Calcutta
4.	Nityananda Thakur (Co-Supervisor)	Effect Of Elastic Plate (Ice-Cover) On Water Wave Problems Created By Floating And Submerged Bodies	2019	University of Calcutta
5.	Sandip Paul (Supervisor)	On Water Wave Scattering By Obstacles	2019	University of Calcutta
6.	Avipsita Chatterjee (Supervisor)	Numerical Solution Of Some Classes Of Differential Equations	2019	University of Calcutta
7.	Anjan Sasmal (Supervisor)	Some Problems On Water Waves Scattering By Barrier and Bottom Undulations	Thesis Submitted 2019	University of Calcutta
8.	Bablu Chandra Das (Supervisor)	On Water Wave Scattering and Related Mathematical Methods	Thesis Submitted 2020	University of Calcutta
9.	Subhabrata Mondal (Supervisor)	Numerical and Analytical Solutions of Some Singular Integral Equations	Thesis Submitted 2020	University of Calcutta
10.	Swagata Ray (Supervisor)	Some problems in the linearised theory of Water waves	Ph.D ongoing	University of Calcutta
11.	Arijit Das (Supervisor)	On Some Water Wave Propagation Problem	Ph.D ongoing	University of Calcutta
12.	Bivas Bhaumik (Supervisor)	Some problems on nanofluids and applications.	Ph.D ongoing	University of Calcutta
13.	Joytirmoy Mouley (Supervisor)	Numerical solution of some classes of integral equations using wavelets	Ph.D ongoing	University of Calcutta

9. Research Projects:

Sl. No.	Title	Agency	Period	Grant/Amount Mobilized(Rs. in lakhs)
1.	Interaction of Water Waves with Floating and Submerged Bodies	Science and Engineering Research Board, DST, Government of India	03 years (5th October 2017- 4th October 2020)	3.30 Lakhs
2.	Some radiation and scattering problems in the theory of water waves and associated mathematical technique	Higher Education, Science & Technology and Bio-Technology, Government of West Bengal	03 years (June 2018-May 2021)	7.37 Lakhs
3.	Electro-physiological and Neuro-imaging Studies Including Mathematical Modeling	UGC Scheme of Centre with potential for excellence in Particular Area (CPEPA), Government of India	04 years (Jan 2014- Dec 2018)	615 Rs. In Lakhs. Per Scientist 68.33 Lakhs

10. List of publications:

My list of publications can also be found at https://www.researchgate.net/profile/Soumen_De5
<https://scholar.google.co.in/citations?user=Zwli7oUAAA&hl=en>
<https://orcid.org/0000-0001-8988-3679>
<https://www.mendeley.com/profiles/soumen-de4/>

a) *Journals*:

1. **Soumen De**, Rupanwita Gayen, B.N.Mandal , (2005) Water wave scattering by two partially immersed nearly vertical barriers, *Wave Motion(Elsevier)*, **43** , 167-175 [**SCI, IF-1.576**]
DOI: <https://doi.org/10.1016/j.wavemoti.2005.09.001>
2. B.N.Mandal and **Soumen De**, (2006) Water wave scattering by submerged nearly vertical barriers, *ANZIAM Journal. (Cambridge University Press)* **48**,107-118. [**SCI, IF-0.554**]
DOI: <https://doi.org/10.1017/S1446181100003448>
3. B.N.Mandal and **Soumen De**, (2007) Water wave scattering by bottom undulations in the presence of a thin submerged vertical plate, *International Journal of Applied Mathematics and Engineering Sciences (Serials Publications Pvt. Ltd.)*. **1**, 193-205. [ISSN: 0973-5275].
4. B.N.Mandal and **Soumen De**, (2008) Water wave scattering by small bottom undulations in the presence of surface discontinuity, *Geophysical Astrophysical Fluid Mechanics (Taylor and Francis)*, **103**, 19-30. [**SCI, IF-1.533**]
DOI: <https://doi.org/10.1080/03091920802390073>
5. **Soumen De** and B.N.Mandal, A.Chakraborti, (2009) Water wave scattering by two partially immersed plane vertical barriers – Abel integral equations approach, *Journal of Engineering Mathematics (Springer)*,**65**, 75-87. [**SCI, IF-1.146**]
DOI: <https://doi.org/10.1007/s10665-009-9265-3>

6. **Soumen De** , B.N.Mandal, A.Chakraborti, (2010) Use of Abel integral equations in water wave scattering by two surface-piercing barriers, *Wave Motion (Elsevier)*, **47** ,279-288. [SCI, IF-1.576]
DOI: <https://doi.org/10.1016/j.wavemoti.2009.12.002>
7. **Soumen De** and B.N. Mandal, (2012) Water wave scattering by two vertical barriers with submerged gaps at the same level, *Journal of the Tripura Mathematical Society*, **13**, 154-162.[ISSN: 0972-1320]
8. Anjan Sasmal and **Soumen De**, (2012) Oblique water wave scattering by bottom undulations in the presence of thin submerged vertical barrier, *International Journal of Engineering Research and Development*, **3(3)**, 50-57. [ISSN:2278-067X]
9. Uma Basu, R Maiti and **Soumen De**, (2012) Water wave scattering by a dock in presence of bottom undulation, *American Journal of Fluid Dynamics,(Scientific & Academic Publishing)* **2(4)**, 55-60.
DOI: <https://doi.org/10.5923/j.ajfd.20120204.04>
10. Uma Basu, R Maiti and **Soumen De**, (2012): Water wave scattering in presence of surface discontinuity over an uneven porous bottom, *International Journal of Engineering Research and Development*, **3**, 64-73. [ISSN:2278-067X]
11. **Soumen De**, B.N. Mandal and A. Chakrabarti, (2013): Water wave scattering by two thin vertical barriers with apertures, *International Journal of Applied Mathematics and Engineering Sciences (Serials Publications Pvt. Ltd.)***7(2)**, 161-175. [ISSN : 0973-5275]
12. Satarupa Das, Soma Das, Satyasan Changdar, **Soumen De**, (2014): Analysis of blood flow through multi-irregular shape stenosed artery, *International Journal of Pharmacy and Biological Sciences*, **4(2)**, 244-252. [ISSN:- 2230-7605]
https://www.ijpbs.com/ijpbsadmin/upload/ijpbs_5b4b622fb180c.pdf
13. Sandip Paul and **Soumen De**, (2014): Wave scattering by porous bottom undulation in a two layered Channel, *Journal of Marine Science and Applications (Springer)*, **13(4)**, 355-361 [SCOPUS, IF-0.88]
DOI: <https://doi.org/10.1007/s11804-014-1276-4>
14. Satyasan Changdar and **Soumen De**, (2015): Numerical Simulation of Nonlinear Pulsatile Newtonian Blood Flow through a Multiple Stenosed Artery, *International Scholarly Research Notices (Hindawi)*, **2015**, 1-10.
DOI: <https://doi.org/10.1155/2015/628605>
15. Satyasan Changdar, **Soumen De**, (2016): Analysis of non-linear pulsatile blood flow in artery through a generalized multiple stenosis. *Arab Journal of Mathematics (Springer)*, **5**:51–61 [SCOPUS]
DOI: <https://doi.org/10.1007/s40065-015-0138-5>
16. Satyasan Changdar, **Soumen De**, (2017): Transport of spherical nanoparticles suspended in a blood flowing through stenosed artery under the influence of Brownian motion. *Journal of Nanofluids (American Scientific Publishers)*, **6(1)**: 87-96. [SCOPUS, IF-1.17]
DOI: <https://doi.org/10.1166/jon.2017.1291>

17. Sandip Paul and **Soumen De**, (2017): Wave Scattering by Uneven Porous Bottom in a Three Layered Channel, *Journal of Marine Science and Technology (Springer)*, **22**: 533–545. [SCI, IF-1.845]
DOI: <https://doi.org/10.1007/s00773-016-0430-x>
18. Satyasan Changdar, **Soumen De**,(2017) Analytical solution of mathematical model of MHD blood nanofluid flowing through an inclined multiple stenosed artery. *Journal of Nanofluids (American Scientific Publishers)*, **6(6)**: 1198–1205. [SCOPUS, IF-1.17]
DOI: <https://doi.org/10.1166/jon.2017.1393>
19. Swagata Ray, **Soumen De** and B.N. Mandal, (2017), Note on Water Wave Scattering by a Step, *Pacific Journal of Applied Mathematics (Nova Science Publishers)*, **9(3)**. 221-230.[ISSN:1941-3963]
20. Sandip Paul and **Soumen De**, (2018): Effect of vertical porous barrier on progressive waves in a two layered fluid, *Ocean Engineering (Elsevier)*, **156**: 153-166. [SCI, IF-2.730]
DOI: <https://doi.org/10.1016/j.oceaneng.2018.02.036>
21. Satyasan Changdar and **Soumen De**, (2018), Investigation of Nanoparticle as a Drug Carrier Suspended in a Blood Flowing Through an Inclined Multiple Stenosed Artery, *BioNanoScience (Springer)*, **8(1)**: 166-178. [SCOPUS, IF-0.229]
DOI: <https://doi.org/10.1007/s12668-017-0446-7>
22. B.C. Das, **Soumen De**, B.N. Mandal, (2018), Oblique scattering by thin vertical barriers in deep water: Solution by multi-term Galerkin technique using simple polynomials as basis, *Journal of Marine Science and Technology (Springer)*, **23 (4)**: 915-925. [SCI, IF-1.845]
DOI: <https://doi.org/10.1007/s00773-017-0520-4>
23. R Roy, **Soumen De** and B.N. Mandal, (2018), Water wave scattering by two surface-piercing and one submerged thin vertical barriers, *Archive of Applied Mechanics (Springer)*, **88(9)**: 1477-1489. [SCI, IF-1.578]
DOI: <https://doi.org/10.1007/s00419-018-1382-x>
24. Satyasan Changdar, Amit Kumar Mandal, and **Soumen De**, (2018), Analytical Investigation of Non-Spherical Nanoparticle as a Drug Agent Suspended in a Magnetohydrodynamic Blood Nanofluid Flowing Through an Irregular Shape Stenosed Artery. *Journal of Nanofluids (American Scientific Publishers)*, **7(6)**: 1187-1194. [SCOPUS, IF-1.17]
DOI: <https://doi.org/10.1166/jon.2018.1526>
25. Satyasan Changdar and **Soumen De**, (2019), Analytical Investigation of Nanoparticle as a Drug Carrier Suspended in a MHD Blood Flowing Through an Irregular Shape Stenosed Artery, *Iranian Journal of Science and Technology, Transaction A, Science (Springer)*, **43**, 1259-1272. .[SCI, IF-0.875]
DOI: <https://doi.org/10.1007/s40995-018-0601-1>
26. Anjan Sasmal, Sandip Paul and **Soumen De**, (2019), The influence of surface tension on oblique wave scattering by a rectangular trench, *Journal of Applied Fluid Mechanics*. **12(1)**, 233-241. [SCI, IF-0.918]
DOI: <https://doi.org/10.29252/jafm.75.253.28900>

27. R Roy, **Soumen De** and B.N. Mandal, (2019), Water wave scattering by multiple thin vertical barriers, *Applied Mathematics and Computation (Elsevier)*, **355**, 458-481. [SCI, IF-3.472].
DOI: <https://doi.org/10.1016/j.amc.2019.03.004>
28. Nihar Sarkar, **Soumen De** and Nantu Sarkar, (2019), Memory response in plane wave reflection in generalized magneto-thermoelasticity, *Journal of Electromagnetic Waves and Applications (Taylor and Francis)*, **33(10)**, 1354-1374. [SCI, IF-1.351]
DOI: <https://doi.org/10.1080/09205071.2019.1608318>
29. Nihar Sarkar, **Soumen De** and Nantu Sarkar, (2019), Waves in nonlocal thermoelastic solids of type II, *Journal of Thermal Stresses (Taylor and Francis)*, **42(9)**, 1153-1170. [SCI, IF-2.943].
DOI: <https://doi.org/10.1080/01495739.2019.1618760>
30. Avipsita Chatterjee, **Soumen De** and B.N. Mandal, (2019) Numerical solution of Fractional-Order integro-differential equations with nonlocal boundary conditions using Bernstein polynomial, *Bulletin of the Calcutta Mathematical Society*, **111(3)**, 211-224. [ISSN:0008-0659]
31. R Roy, **Soumen De** and B.N. Mandal, (2019), Water wave scattering by three thin vertical barriers arranged asymmetrically in deep water, *Fluid Dynamics Research (Institute of Physics(IOP)Publishing)*, **51**,045508:1-23. [SCI, IF-0.993]
DOI: <https://doi.org/10.1088/1873-7005/ab2d4d>
32. Anjan Sasmal and **Soumen De**, (2019), Oblique water wave diffraction by two vertical porous barriers with nonidentical submerged gaps, *Meccanica (Springer)*, **54(10)**, 1525-1544. [SCI, IF-2.316]
DOI: <https://doi.org/10.1007/s11012-019-01031-1>
33. Anjan Sasmal, Sandip Paul and **Soumen De**, (2019), The effect of porosity on oblique wave diffraction by two unequal vertical porous barriers, *Journal of Marine Science and Applications (Springer)*, **18(4)**, 417-432, [SCOPUS, IF-0.88]
DOI: <https://doi.org/10.1007/s11804-019-00107-4>
34. Sandip Paul, Anjan Sasmal and **Soumen De**, (2019), Interaction of oblique waves with an ice sheet over an asymmetric trench, *Ocean Engineering (Elsevier)*, **193**, 106613 (1-8). [SCI, IF-3.068]
DOI: <https://doi.org/10.1016/j.oceaneng.2019.106613>
35. Swagata Ray, **Soumen De** and B.N. Mandal , (2019) Water wave scattering by an infinite in the presence of an ice-cover, *International Journal of Applied Mechanics and Engineering (Sciendo)*, **24(4)**, 157-168. [SCOPUS, IF-0.42]
DOI: <https://doi.org/10.2478/ijame-2019-0055>
36. B.C. Das, **Soumen De**, B.N. Mandal, (2019) Wave propagation through a gap in a thin vertical wall in deep water, *CUBO, A Mathematical Journal (Universidad de La Frontera, Temuco, Chile)*, **21(3)**, 93-105.[SCOPUS]
DOI: <http://dx.doi.org/10.4067/S0719-06462019000300093>

37. Nihar Sarkar, **Soumen De** and Nantu Sarkar, (2019), Reflection of thermoelastic waves from the isothermal boundary of a solid half-space under memory-dependent heat transfer, *Waves in Random and Complex Media (Taylor and Francis)*, [**SCI, IF-3.330**].
DOI: <https://doi.org/10.1080/17455030.2019.1623433>
38. Nihar Sarkar, **Soumen De** and Nantu Sarkar, (2020), Modified Green–Lindsay model on the reflection and propagation of thermoelastic plane waves at an isothermal stress-free surface, *Indian Journal of Physics (Springer)*, **94(8)**, 1215-1225. [**SCI, I.F.-1.407**]
DOI: <https://doi.org/10.1007/s12648-019-01566-9>
39. Narayan Das, **Soumen De**, Nantu Sarkar, (2020) Reflection of plane waves in generalized thermoelasticity of type III with nonlocal effect, *Mathematical Methods in the Applied Sciences (Wiley online)*, **43(3)**, 1313-1336 [**SCI, IF-1.626**].
DOI: <https://doi.org/10.1002/mma.5947>
40. Sandip Paul, Anjan Sasmal and **Soumen De**, (2020) Oblique Wave Scattering by a Symmetric Trench Submerged Beneath an Ice-cover, *Journal of Waterway, Port, Coastal, and Ocean Engineering (American Society of Civil Engineers-ASCE)*, **146(1)**, 04019030(1-8). [**SCI, I.F-1.710**].
DOI: [https://doi.org/10.1061/\(ASCE\)WW.1943-5460.0000538](https://doi.org/10.1061/(ASCE)WW.1943-5460.0000538)
41. Nihar Sarkar and **Soumen De** (2020) Waves in magneto-thermoelastic solids under modified Green–Lindsay model, *Journal of Thermal Stresses (Taylor and Francis)*, **43(5)**, 594-611, [**SCI, I.F.-2.626**].
DOI: <https://doi.org/10.1080/01495739.2020.1712286>
42. Biman Sarkar, **Soumen De** and Ranita Roy, (2020) Oblique wave scattering by two thin non-uniform permeable vertical walls with unequal apertures in water of uniform finite depth, *Waves in Random and Complex Media (Taylor and Francis)*. [**SCI, IF-3. 330**].
DOI: <https://doi.org/10.1080/17455030.2020.1716106>
43. Swagata Ray, **Soumen De** and B.N. Mandal, (2020) Water wave scattering by a bottom standing thick rectangular barrier in the presence of an ice-cover, *Journal of Applied Mechanics and Technical Physics (Springer)*, **63(3)**, 400-408. [**SCI, IF-0.649**]
DOI: <https://doi.org/10.1134/S0021894420030116>
44. Nihar Sarkar, **Soumen De**, Narayan Das and Nantu Sarkar (2020), Reflection of thermoelastic waves from the insulated surface of a solid half-space with time-delay, *Journal of Heat Transfer (American Society of Mechanical Engineers-ASME)*, **142(9)**, 092101(1-9). [**SCI, IF-1.479**]
DOI: <https://doi.org/10.1115/1.4046924>

45. B.C. Das, **Soumen De** and B.N. Mandal, (2020) Oblique water waves scattering by a thick barrier with rectangular cross section in deep water, *Journal of Engineering Mathematics (Springer)*, **122**, 81-99. [SCI, IF-1.434]
DOI: <https://doi.org/10.1007/s10665-020-10049-4>
46. Nihar Sarkar, Mitali Bachher, Narayan Das, **Soumen De**, Nantu Sarkar, (2020) Waves in nonlocal thermoelastic solids of type III, *ZAMM Journal of applied mathematics and mechanics: Zeitschrift für angewandte Mathematik and Mechanik (Wiley online)*, **100(4)**, e201900074 [SCI, IF-1.467].
DOI: <https://doi.org/10.1002/zamm.201900074>
47. Nihar Sarkar, **Soumen De**, (2020) Reflection of thermoelastic plane waves at a stress-free insulated solid boundary with memory-dependent derivative, *Indian Journal of Physics (Springer)*, [SCI, IF-1.407].
DOI: <https://doi.org/10.1007/s12648-020-01788-2>
48. 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)* [SCI, IF- 1.265].
DOI: <https://doi.org/10.1093/qjmam/hbaa011>
49. Arijit Das, **Soumen De** and B.N. Mandal, (2020) Small Amplitude Water Wave Propagation Through Mangrove Forests Having Thin Viscoelastic Mud Layer, *Waves in Random and Complex Media (Taylor and Francis)* [SCI, IF-3. 330].
DOI: <https://doi.org/10.1080/17455030.2020.1817624>
50. Anjan Sasmal and **Soumen De**, (2020) Energy dissipation and oblique wave diffraction by three asymmetrically arranged porous barriers, *Ships and Offshore Structures(Taylor and Francis)* [SCI, IF-1.470]
DOI: <https://doi.org/10.1080/17445302.2020.1816783>
51. Avipsita Chatterjee, Satyasan Changdar and **Soumen De**, (2020) Study of nanoparticle as a drug carrier through Stenosed arteries using Bernstein polynomials, *International Journal for Computational Methods in Engineering Science and Mechanics(Taylor and Francis)* [SCOPUS, IF-1.31].
DOI: <https://doi.org/10.1080/15502287.2020.1821125>
52. Biman Sarkar, Ranita Roy and **Soumen De**, (2020) Wave attenuation by multiple thin vertical porous walls in water of uniform finite depth, *Ocean Engineering (Elsevier)*, **216**, 108072(1-12) [SCI, IF-3.068]
DOI: <https://doi.org/10.1016/j.oceaneng.2020.108072>
53. Swagata Ray, **Soumen De** and B.N. Mandal, (2020) Use of Galerkin technique to the rolling of a plate in deep water, *Mathematical Modelling and Analysis(Vilnius Gediminas Technical University (VGTU) Press)* [SCI, IF-0.957]
- 54.

b) **Books:**

1. B.N. Mandal and **Soumen De**, **2016**, Water Waves Scattering, CRC Press, New York, USA. Print ISBN: 978-1-4987-0552-3, eBook ISBN: 978-1-4987-0553-0.
DOI: <https://doi.org/10.1201/b18501>
2. Susmita Sarkar, Uma Basu and **Soumen De**, **2015**, Applied Mathematics, Springer Proceedings in Mathematics & Statistics, ISBN: 978-81-322-2546-1.
DOI: <https://doi.org/10.1007/978-81-322-2547-8>

c) **Conference Proceedings and Book Chapters:**

1. **Soumen De** and B.N. Mandal, (2007) Water wave scattering by two partially immersed barriers - an alternative method of solution, *Proceedings of 22nd International Workshop on Water Waves and Floating Bodies*, (Publisher: Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Croatia), 53-56. ISBN: 978-3-540-73278-5
http://www.iwwwfb.org/Abstracts/iwwwfb22/iwwwfb22_14.pdf
2. **Soumen De** and B.N. Mandal, (2011) Transmission of water waves through apertures in a pair of thin vertical barriers, *Proceedings of 26th International Workshop on Water Waves and Floating Bodies* (Publisher: Department of Naval Architecture and Marine Engineering, National Technical University of Athens, Greece), 33-36. ISBN: 978-9-602-54694-9.
http://www.iwwwfb.org/Abstracts/iwwwfb26/iwwwfb26_09.pdf
3. Sandip Paul and **Soumen De**, (2014) Scattering of Water Wave by Porous Bed Topography in an Ice Cover Ocean, *Applied Mathematics, Springer Proceedings in Mathematics & Statistics* (Publisher: Springer), **146**, 257-269. ISBN: 978-81-322-2546-1
DOI: https://doi.org/10.1007/978-81-322-2547-8_26
4. **Soumen De** and B. N. Mandal, (2015) Water wave scattering by two submerged equal vertical plates, *Proceedings of 7th Hydroelasticity in marine technology*(Publisher: Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Croatia), 191-202. ISBN: 978-953-95746-2-6.
<http://bib.irb.hr/prikazi-rad?&rad=777036>
5. Sandip Paul and **Soumen De**, (2018) Wave scattering by a submerged plate in a two-layer fluid of finite depth, *AIP Conference Proceedings* (Publisher: American Institute of Physics), **1975**, 030032
DOI: <https://doi.org/10.1063/1.5042202>
6. B.C. Das, **Soumen De**, B.N. Mandal, (2018) The Problem of Oblique Scattering by a Thin Vertical Submerged Plate in Deep Water Revisited, *Mathematics and Computing, Springer Proceedings in Mathematics & Statistics* (publisher: Springer), **253**, 225-236.
DOI: https://doi.org/10.1007/978-981-13-2095-8_18
7. Sandip Paul and **Soumen De**, (2018), Scattering of Water Waves by a Rectangular Submarine Trench in an Ice-Covered Ocean, *Proceedings of 2^{3rd} Symposium on Theory and Practice of Shipbuilding*, (Publisher : Faculty of Electrical Engineering, Mechanical

Engineering and Naval Architecture (FESB), University of Split, Croatia), **23**, 17-25. ISBN: 978-953-290-085-9.

http://marjan.fesb.hr/~jobasic/Sorta2018_book_of_proceedings.pdf

8. Sandip Paul and **Soumen De**, (2019) Water wave scattering by asymmetric trench beneath ice cover, *Proceedings of 34th International Workshop on Water Waves and Floating Bodies* (Publisher: School of Mathematical and Physical Sciences, The University of Newcastle, Australia), 145-148. ISBN: 978-0-646-80052-3.
http://www.iwwwfb.org/Abstracts/iwwwfb34/iwwwfb34_36.pdf
9. B.C. Das, **Soumen De**, B.N. Mandal , (2019) Oblique scattering by a thick rectangular barrier in deep water, *Proceedings of 34th International Workshop on Water Waves and Floating Bodies* (Publisher: School of Mathematical and Physical Sciences, The University of Newcastle, Australia), pp.25-28. ISBN: 978-0-646-80052-3.
http://www.iwwwfb.org/Abstracts/iwwwfb34/iwwwfb34_07.pdf
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- 1) Wave Motion
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- 5) Indian Journal of Physics
- 6) Mechanics Based Design of Structures and Machines. An International Journal

13. Membership of Learned Societies:

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14. Honours & Awards:

- NET (National Eligibility Test), December 2003(CSIR).
- Selected for SPM fellowship test in the National Eligibility Test (CSIR) MATHEMATICAL SCIENCES, 2003.
- Junior Research Fellow, (2004). Indian Statistical Institute, Senior Research Fellow, (2006), Indian Statistical Institute, Kolkata.
- University Gold Medal for Rank-1 in M.Sc. (Applied Mathematics) University of Calcutta, 2004 (to be received).
- University Gold Medal for Rank-1 in B.Sc. (Mathematics (Hons.)) Vidyasagar University, 2002.
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