



Salman Shah

Ph.D (pursuing)

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Qualifications

- Ph.D - Ocean Engineering** 2023 - Present
India Institute of Technology Madras, India CGPA - 9.24
- M. Tech - Thermal Engineering** 2019 - 2021
Cochin University of Science and Technology, India CGPA - 9.06
- B. Tech - Mechanical Engineering** 2015 - 2019
A.P.J. Abdul Kalam Technological University, India CGPA - 8.78

Experience

- Research Scholar (Full Time)** 2023 - Present
Dept. of Ocean Engineering (IITM), Chennai, India
Area: Wave-Structure interaction, Boundary Element method, Thin Porous barriers
- Assistant Professor - Dept. of Mechanical Engg.** 2021 - 2023
Sree Narayana Gurukulam College of Engineering, Kochi, Kerala
Courses instructed: Mechanics of Fluids, Fluid Mechanics and Hydraulic Machines lab, Thermodynamics, etc.
- CFD Consultant** 2020 - 2022
KrewX Edtech LLP (Part time), Kochi, Kerala
Area: Fluid-Structure interaction, Time domain simulations (Fluid Flow/Structural/Thermal)

Peer Reviewed -SCI Indexed publications

- Salman, S., Vijay, K. G., Nishad, C. S., & Chen, J. T. (2025). [Numerical and Experimental Investigation on a Dual Pontoon Supported Compartmentalized Porous Cages](#). Engineering Analysis with Boundary Elements, 179, Part B, 106353. (Elsevier)
- Salman, S., Vijay, K. G., Behera, H., & Chen, J. T. (2025). [Gravity wave scattering by barge integrated porous cages](#). Physics of Fluids, 37 (8), 087149. (AIP Publishing)
- Salman, S., & Vijay, K. G., (2025). Hydrodynamic Shielding by Distributed Standalone Perforated Cage Systems for Fish Farming. Physics of Fluids. [Under Review] (AIP Publishing)

Research assistance on sponsored projects

- Response analysis of Floating Offshore Wind Turbine (FOWT)** Site: DOE, IITM
Ministry of Earth Sciences (MOES), India
- Conduction cooling of Versa Module Eurocard (VME) in Aerospace applications** Site: NPOL-CUSAT, Kochi
Defence Research and Development Organisation (DRDO), India

Skills and expertise

Physical Model Testing	Numerical method	Simulation packages	Plotting and typesetting
Wave basin, Wave flume	BEM, FDM	Fluent, AQWA, Orcflex, MIKE Zero	MATLAB, LaTeX