VINAYAKA MISSION'S
RESEARCH FOUNDATION
(Deemed to be University under section 3 of the UGC Act 1956)

ADVANCING THE 2030 AGENDA

ANNUAL SUSTAINABLE DEVELOPMENT GOALS REPORT

2025

SUSTAINABLE DEVELOPMENT GOALS

17 GOALS ONE SHARED FUTURE


SDG14

VINAYAKA MISSION'S RESEARCH FOUNDATION (DEEMED TO BE UNIVERSITY)

SDG 14 – LIFE BELOW WATER

SDG 14 Event List

S. No.	Date	Event / Activity	Organising Institution / Department
1	20 September 2025	International Coastal Cleanup Day with Puducherry Government Department	AVMC&H, Puducherry
2	24 September 2025	Beach Clean-Up Activity	NSS Unit, SAHS

DETAILED EVENT REPORTS

1. International Coastal Cleanup Day with Puducherry Government Department

Date: 20 September 2025

Organising institution / department: AVMC&H, in collaboration with Department of Science, Technology and Environment, Government of Puducherry

Place: Ruby Beach, Veerampatinam

Event report: AVMC&H collaborated with the Department of Science, Technology and Environment, Government of Puducherry, for International Coastal Cleanup Day on 20 September 2025 at Ruby Beach, Veerampatinam. Thirty medical students participated in the coastal cleanup.



2. Beach Clean-Up Activity

Date: 24 September 2025

Organising institution/department: NSS Unit, SAHS in collaboration with Puducherry Coastal Movement

Place: Karaikal

Event report: A beach clean-up activity conducted by the NSS Unit in collaboration with the Puducherry Coastal Movement at Karaikal on 26 September 2025.


ORGANIZES
NATIONAL SERVICE SCHEME DAY

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List of VMRF (DU) Publications Made on SDG-14 in the Year 2025

S.No	Authors	Title	Year	Source title	DOI	Source
1	Elumalai L.; Nagarajan S.; Abass K.S.; Chandhirasekar K.; Singh S.; Varshney D.; Ganesan S.	Bioremediation of mercury and cadmium using marine Streptomyces sp. K13: biosorption, bioreactor and its toxicity studies	2025	Environmental Geochemistry and Health	10.1007/s10653-025-02820-2	Scopus
2	Mane M.; Patil D.V.; Mohur J.; Krishnamoorthy P.; Ahmad N.; Bhatnagar T.; Tripathy A.	Metapopulation Dynamics of Endangered Amphibians in Fragmented Wetland Networks	2025	Journal of Animal Environment	10.70102/AEJ.2025.17.2.45	Scopus
3	Mohanaprakash T.A.; Bhagyalakshmi A.; Senthilkumar S.; Patro P.; Rao N.K.K.; Boopathi S.	AI-enhanced advanced aquaponics in agricultural systems	2025	Utilizing Aeroponics Techniques for Improved Farming	10.4018/979-8-3693-2320-5.ch009	Scopus
4	Nagarajan P.; Datta D.; Begum A.; Naik Y.; Ramakrishnan M.; Kataria A.; Solanki S.	Assessing the Impact of Microplastic Pollution on Aquatic Ecosystems and Food Chains	2025	Genetics and Molecular Research	10.4238/zkf18q44	Scopus
5	Kalaivani L.; Maheswari R.V.; Vimal S.; Rajesh M.; Sitharthan R.	Optimized Deep Neural Network for Defect Recognition in Switched Reluctance Motors With Unbalanced Partial Discharge Datasets	2025	IEEE Power Electronics Magazine	10.1109/MPEL.2025.3593772	Scopus
6	Shankar S.O.; Ratheesh R.; Muthamil T.; Balamurugan A.; Rajeswari J.; Vignesh S.	Real-time Oil Spill Detection and Monitoring Using Deep Learning and Convolutional Neural Networks	2025	International Conference on Electrical Energy Systems, ICEES	10.1109/ICEES67011.2025.11213402	Scopus
7	Rajendiran D.; Harikrishnan N.; Veeramuthu K.	Heavy metal concentrations and pollution indicators in the Ennore ecosystem, east coast of Tamilnadu, India using atomic absorption spectrometry study with statistical approach	2025	Scientific Reports	10.1038/s41598-025-93484-6	Scopus