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


SDG15

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

SDG 15 – LIFE ON LAND

SDG 15 Event List

S. No.	Date	Event / Activity	Organising Institution / Department
1	Feb 2025	Mangrove Ecosystem Learning Visit to Pichavaram	Vinayaka Mission's School of Economics and Public Policy
2	25 July 2025	Tree Plantation Drive by NSS Unit	NSS Unit, SRBS PDY
3	26 July 2025	NSS Unit Visit to Mangrove Forest at Murungapakkam	NSS Unit, Vinayaka Mission's College of Nursing,PDY.
4	28 July 2025	Nature-Themed Drawing Competition	Environmental Student Club,VMACON,SALEM.
5	29 August 2025	Ek Ped Maa Ke Naam – Tree Plantation Drive	NSS Unit, VMCON, PDY
6	24 September 2025	Beach Clean-Up and Plantation Drive at Palmyra Beach	NSS Unit, School of Allied Health Sciences,PDY
7	14 October 2025	World Wildlife Week Competitions	Environmental Students Club, SAHS, Chennai
8	6 November 2025	Cleanup Drive and Tree Plantation Activity	NSS Unit and Environmental Club, SAHS, Chennai
9	10 Dec 2025	World Wildlife Conservation Day, World Soil Day and National Pollution Control Day	Department of Forensic Science Technology, SAHS
10	10 Dec 2025	Wildlife Conservation Day 2025 Observance	EVS Club, SAHS, PDY

DETAILED EVENT REPORTS

1. Mangrove Ecosystem Learning Visit to Pichavaram

Date: 1 February 2025

Organising institution / department: VSEP

Event report: Economics students from Vinayaka Mission's School of Economics and Public Policy, Chennai visited Pichavaram to explore mangrove ecosystems and learn about their environmental significance.



2. Tree Plantation Drive by NSS Unit

Date: 25 July 2025

Organising institution / department: NSS Unit, SRBS, PDY

Place: SRBS Ground

Event report: The NSS Unit, under the guidance of Mr. Vinayagamurthi, NSS Programme Officer, organised a tree plantation programme on 25 July 2025 at the SRBS Ground. The initiative aimed to promote environmental awareness, sustainable practices and ecological responsibility.

3. NSS Unit Visit to Mangrove Forest at Murungapakkam

Date: 26 July 2025

Organising institution/department: NSS Unit, Vinayaka Mission's College of Nursing, PDY

Place: Murungapakkam village

Event report: The NSS Unit of Vinayaka Mission's College of Nursing and its Programme Officer participated in an International Conservation Day visit to the mangrove forest at Murungapakkam village on 26 July 2025.



2. Nature-Themed Drawing Competition

Date: 28 July 2025

Organising institution / department: Environmental Student Club, VMACON, SLM.

Event report: The Environmental Student Club organised a drawing competition on 28 July 2025 in observance of World Nature Conservation Day. The competition focused on environmental preservation and encouraged students to express environmental responsibility through art.



5. Ek Ped Maa Ke Naam – Tree Plantation Drive

Date: 29 August 2025

Organising institution / department: NSS and RRC Units, VMCON, Puducherry.

Event report: The NSS and RRC Units organised a tree plantation drive titled “Ek Ped Maa Ke Naam” on 29 August 2025 under the guidance of Dr. Edna Sweenie J., Principal-cum-Professor, VMCON, Puducherry. The initiative highlighted environmental protection and sustainability.



6. Beach Clean-Up and Plantation Drive at Palmyra Beach

Date: 24 September 2025

Organising institution/department: NSS Unit, School of Allied Health Sciences

Place: Palmyra Beach, Puducherry

Event report: The NSS Unit of SAHS conducted a beach clean-up and plantation drive at Palmyra Beach, Puducherry, on 24 September 2025 as part of NSS Day 2025. Students cleaned the beach and planted saplings, promoting environmental awareness and community service.



7. World Wildlife Week Competitions

Date: 14 October 2025

Organising institution/department: Tamil Nadu Forest Department and Environmental Students Club, SAHS, Chennai

Event report: The Tamil Nadu Forest Department and Environmental Students Club jointly organised painting, drawing and quiz competitions on 14 October 2025 as part of World Wildlife Week. The activities promoted awareness of forest and wildlife conservation.



8. Cleanup Drive and Tree Plantation Activity

Date: 6 November 2025

Organising institution / department: NSS Unit and Environmental Club

Event report: The NSS Unit and Environmental Club organised a cleanup drive and tree plantation activity on 6 November 2025. The initiative aimed to instil environmental consciousness and social responsibility among students.



9. World Wildlife Conservation Day, World Soil Day and National Pollution Control Day

Organising institution/department: Student EVS Club, NSS and Department of Forensic Science Technology, SAHS

Date: 10 December 2025

Event report: The Student EVS Club, Young Indians (Yi) Club, NSS and Department of Forensic Science Technology jointly observed World Wildlife Conservation Day, World Soil Day and National Pollution Control Day. The observances raised awareness of biodiversity conservation, soil health, environmental protection and pollution control.



10. Wildlife Conservation Day 2025 Observance

Organising institution / department: EVS Faculty and Club SAHS, PDY

Date: 10 December 2025

Event report: The EVS Faculty and Club organised activities for Wildlife Conservation Day 2025, including energy audit and idea presentation activities, model competitions and an energy conservation pledge.



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List of VMRF (DU) Publications Made on SDG-15 in the Year 2025

S.No	Authors	Title	Year	Source title	DOI	Source
1	Arulnangai R.; Thirugnanasambandham K.; Ganesamoorthy R.; Gomathi R.; Parameswari R.	Role of TiO2 nanomaterial in the treatment of polluted Cauvery River water in Tiruchirappalli district, Tamil Nadu, India	2025	Desalination and Water Treatment	10.1016/j.dwt.2025.101216	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	Monisha S.; Charu; Kaur S.; Sar K.; Malathi H.; Nanaware J.P.; Bhati S.S.	Pollinator Network Resilience to Species Loss in Agricultural Landscape Mosaics	2025	Journal of Animal Environment	10.70102/AEJ.2025.17.4.69	Scopus
4	Monisha S.; Sangeetha S.P.	Helianthus annuus (Sunflower) and Gossypium herbaceum (Cotton) as a Phytoremediator of Chromium (Cr) in Tannery Wastewater	2025	Indian Journal of Environmental Protection		Scopus
5	Singh S.K.; Manjunath H.R.; Santhosh M.B.; Rangegowda R.; Taneja M.; Kumar R.R.; Singh P.	Genetic Variation Analysis in Drought-Resistant Crop Species Using Molecular Markers	2025	Genetics and Molecular Research	10.4238/2q6tzv26	Scopus
6	Govindharaj I.; Deva Priya W.; Soujanya K.L.S.; Senthilkumar K.P.; Shantha Shalini K.; Ravichandran S.	Advanced glaucoma disease segmentation and classification with grey wolf optimized U –Net++ and capsule networks	2025	International Ophthalmology	10.1007/s10792-025-03602-6	Scopus
7	Mohammad R.E.A.; Veerasingam S.; Suresh G.; Rajendran S.; Sadasivuni K.K.; Ghani S.; Al-Khayat F.	Tackling environmental radionuclides contamination: A systematic review of chemical, biological, and physical remediation strategies	2025	Chemical Engineering Journal Advances	10.1016/j.ceja.2025.100802	Scopus
8	Soman K.; Kanagaraj K.; Senthilkumar N.; Rajendran S.; Faraj T.K.; Alrefaei A.F.; Thirumalaivasan N.; Sundaram T.; Roy A.; Verma R.; Thomas S.; Gopi S.; Lackner M.	Nitrogen-doped carbon dots from Brahmi (Bacopa monnieri): Metal-free probe for efficient detection of metal pollutants and methylene blue dye degradation	2025	Green Processing and Synthesis	10.1515/gps-2024-0182	Scopus
9	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
10	Bagwan W.A.; Pandey N.; Gnanadass D.; Singh A.; Kapoor P.; Dash D.; Ganesh D.	Apex Predator Recolonization Effects on Mesopredator Release and Prey Community Structure in Temperate Forests	2025	Journal of Animal Environment	10.70102/AEJ.2025.17.2.44	Scopus

List of VMRF (DU) Publications Made on SDG-15 in the Year 2025

S.No	Authors	Title	Year	Source title	DOI	Source
11	Suhail M.; Suri S.; Khandual A.; Jayakumar S.S.; Ruikar S.S.; Singh T.; Krishnamoorthy S.	Genetic Diversity Assessment of Island Endemic Species Using Environmental DNA Metabarcoding	2025	Journal of Animal Environment	10.70102/AEJ.2025.17.4.68	Scopus
12	Shareef M.M.; Prasath S.; Dhall H.; Al-Fatlawy R.R.; Singh K.R.; Dwibedi R.K.	Soil Moisture Prediction with Temporal Convolutional Networks (TCN) for Precision Irrigation	2025	2025 International Conference on Automation and Computation, AUTOCOM 2025	10.1109/AUTOCOM64127.2025.10957252	Scopus
13	Thummala H.; Priyanka K.; Sayana S.B.; Kandimalla R.	MICROBIAL PRODUCTION OF BIOSURFACTANTS AND THEIR BIOCHEMICAL CHARACTERIZATION	2025	Asian Journal of Pharmaceutical and Clinical Research	10.22159/ajpcr.2025v18i11.56591	Scopus
14	Monisha S.; Sangeetha S.P.	Analysis of Plants, Helianthus annuus (Sunflower) and Gossypium herbaceum (Cotton), for the Control of Heavy Metals Chromium and Arsenic Using Phytoremediation Techniques	2025	Nature Environment and Pollution Technology	10.46488/NEPT.2025.v24i02.B4237	Scopus
15	Monisha S.; Sangeetha S.P.	Brassica juncea and Medicago sativa as Phytoremediators for the Removal of Chromium and Arsenic	2025	Nature Environment and Pollution Technology	10.46488/NEPT.2025.v24i03.B4275	Scopus
16	Mahajan S.; Mohapatra S.; Boregowda V.K.S.; Mohite A.; Singh J.; Sambasivam I.; Tomar G.	Carnivore Coexistence Mechanisms in Multi-Predator Systems Under Resource Competition	2025	Journal of Animal Environment	10.70102/AEJ.2025.17.3.79	Scopus
17	Govindaraj V.; Lakshuman C.; Mythili M.	Geospatial Approach; Identification of Soil Erosional Hazards Zone and Prioritizations of Gomukhi Watershed at Tamil Nadu State, India; Through RUSLE Model	2025	Advances in Geographical and Environmental Sciences	10.1007/978-981-96-8452-6_1	Scopus
18	Chowdhury R.M.; Rengarajan A.; Ghatage A.A.; Bhardwaj A.; Balasundaram S.; Singhvi N.; Singh P.	Seed Dispersal Services by Frugivorous Birds in Tropical Forest Regeneration Following Selective Logging	2025	Journal of Animal Environment	10.70102/AEJ.2025.17.3.78	Scopus
19	Sangeetha S.P.; Sona S.; Tapung N.; Kumar A.; Kumar S.	Assessing Phytoremediation Potential of Aloe barbadensis, Chrysopogon zizanioides and Ocimum tenuiflorum for Sustainable Removal of Heavy Metals from Contaminated Soil	2025	Nature Environment and Pollution Technology	10.46488/NEPT.2024.v24iS1.019	Scopus
20	Mohan G.D.; Venkatesan H.; Babu K.L.; Tullanithi K.M.; Sridevi M.	Modelling Structured Outcomes in Lycopodium Clavatum Formulations using Temporal Probabilistic Deep Fusion Network	2025	3rd International Conference on Emerging Applications of Material Science and Technology, ICEAMST 2025	10.1109/ICEAMST67459.2025.11335672	Scopus

List of VMRF (DU) Publications Made on SDG-15 in the Year 2025

S.No	Authors	Title	Year	Source title	DOI	Source
21	Ignasimuthu A.; Hait A.; Wathore N.; Santhi P.; Periasamy P.; Choudhary A.K.	PRECISION FRONTIERS IN FAMILIAL HYPERCHOLESTEROLEMIA: INTEGRATING PHARMACOGENOMICS AND AI FOR NEXT-GEN CARE – A SYSTEMATIC REVIEW	2025	Opera Medica et Physiologica	10.24412/2500-2295-2025-3-28-48	Scopus
22	Ganesh Babu L.; Raja M.S.; K. S.K.; Samarasam B.; R. G.; Ramachandran G.	Ethical considerations of biomedical robots and wearable devices	2025	Applied Mathematical Modeling for Biomedical Robotics and Wearable Devices	10.1016/B978-0-443-33514-3.00013-7	Scopus
23	Saravanan T.R.; Poornachandar T.; Anitha C.; Kavitha U.; Rajasekar G.; Sathishkumar V.E.	IoT-based Gradient Boosting Model for Efficient Agricultural Logistics and Transport Management	2025	Proceedings of the 4th International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2025	10.1109/ICIMIA67127.2025.11200831	Scopus