JSS ACADEMY OF HIGHER EDUCATION & RESEARCH
(DEEMED TO BE UNIVERSITY) MYSURU

Events for Conservation and Sustainable Utilisation of Land

1. EXECUTIVE SUMMARY

JSS Academy of Higher Education & Research (JSS AHER) supports and organises a broad, well-documented portfolio of events and programmes that promote conservation and the sustainable utilisation of land, forests, and wild land. This report directly addresses **SDG 15, Indicator 15.2.1** and the answer is a comprehensively evidenced **Yes**. Multiple constituent institutions — JSSCPM (formal "Yes"), SLSM (formal "Yes"), Department of Yoga (formal "Yes") — have confirmed this in their SDG 15 documentation, while JSSMC, JSSDCH, and JSSCPO have organised the most substantive field-based conservation events on record for 2025–26.

What sets JSS AHER's land conservation events apart is their **range of scales and ecosystem types**: from the **Nilgiris Biosphere** (India's first biosphere reserve, surrounding JSSCPO) where students cleaned 10 hectares of forest ecosystem and 100 bags of plastic from the Kallatti–Masinagudi–Moyar forest corridor — to the **Mysuru urban forest** (Collaborative Tree Census, Oct 2025–Mar 2026, documenting the city's tree wealth with community partners) — to **campus medicinal plant gardens** (86 species at JSSCPO; established collections at JSSDCH, JSSCPM, JSSMC). The **Government Botanical Garden Flower Show, Ooty** brought medicinal plant conservation to **over 20,000 visitors**, winning 21 prizes and generating ₹3.05 Lakh through herbal product demonstration.

The **Smart Campus Committee** provides institutional governance for land conservation — increasing the number of trees on campus, ensuring no trees are cut, incorporating local biodiversity into new construction planning, and replacing floral bouquets with sapling distributions at all institutional events. The **NSS units across all constituent colleges** serve as the operational arm for field conservation events, while the **Eco Club (JSSDCH)**, **'Prakriti' Green Club (JSSCPO)**, and the **TIFAC-CORE Centre in Herbal Drugs (JSSCPO)** provide specialist expertise.

4,596 **TREES ON JSS AHER CAMPUSES** *Campus tree census confirmed · Smart Campus Committee maintains no-cut policy*	**20,000+** **VISITORS — FLOWER SHOW MEDICINAL PLANT EXHIBITION** *Government Botanical Garden, Ooty · 21 prizes · ₹3.05 Lakh · May 2026*	**10 ha** **FOREST ECOSYSTEM RESTORATION — JSSCPO NSS** *Weeding, plantation, riverbank cleaning in collaboration with Forest Dept.*	**100 bags** **PLASTIC REMOVED FROM NILGIRIS FOREST** *World Vultures Day — Kallatti–Masinagudi forest · 40 NSS volunteers · 19 Jul 2025*
86 **TREE AND PLANT SPECIES ON JSSCPO CAMPUS** *No trees cut · biodiversity integrated into all campus planning · Nilgiris policy compliant*	**Oct–Mar** **COLLABORATIVE TREE CENSUS — MYSURU CITY** *NSS + CFAL + Mysore Grahakara Parishat · urban biodiversity documentation*	**300** **SAPLINGS — WORLD ENVIRONMENT DAY** *5 June 2025 · JSSMC Bannimantap + JSSCPM campus · community participation*	**Yes** **FORMAL 15.2.1 RESPONSE — MULTIPLE INSTITUTIONS** *JSSCPM · SLSM · Dept. of Yoga: "Yes" with weblink evidence*

2. INSTITUTIONAL FRAMEWORK — GOVERNANCE OF LAND CONSERVATION EVENTS

JSS AHER's land conservation events are not ad-hoc activities but are governed by a formal institutional framework. The question asks about events **supported and/or organised by the university as a body** — the following institutional structures demonstrate that land conservation events are systematically planned, coordinated, and resourced:

Governance Body	Role in Land Conservation Events	Key Activities
Smart Campus Committee (university-wide)	Coordinates all green campus, tree plantation, and ecosystem maintenance activities; ensures no trees are cut; biodiversity integrated into construction planning; replaced bouquets with sapling distributions	Maintains 4,596-tree campus landscape; oversees herbal gardens; coordinates World Environment Day plantation drives; ensures Smart Campus and NSS alignment
NSS Units — JSSMC, JSSDCH, JSSCPM, JSSCPO	Primary operational arm for field conservation events; organises plantation drives, forest clean-ups, tribal village outreach; coordinates with government departments (Forest Dept., Municipality)	World Vultures Day forest clean-up; NSS Special Camp ecosystem restoration (10 ha); Tree Census Mysuru; World Environment Day sapling plantation; Seedball distribution with Eco Club JSS Residential School
Eco Club — JSSDCH (Dr. Premalatha B.R., Dr. Thippeswamy H.M.)	Student-driven ecological preservation initiative; campus green drives; sustainability education; biodiversity awareness campaigns	Campus green drives; sustainability awareness events; Eco Club activities coordinated with NSS for field conservation
'Prakriti' Green Club — JSSCPO (IQAC-coordinated)	One of 7 official IQAC student clubs; dedicated to environmental conservation; launched at 64th National Pharmacy Week (Jan 2026)	QR-enabled medicinal plant garden development; biodiversity conservation activities; environmental stewardship promotion
TIFAC-CORE in Herbal Drugs — JSSCPO (Dept. of Pharmacognosy)	Specialist research and exhibition centre for medicinal plant conservation; organises and participates in annual Flower Shows at Government Botanical Garden, Ooty	Medicinal Plants Exhibition at Flower Show and Rose Show (21 prizes, 20,000+ visitors); value-added herbal products (₹3.05 Lakh); awareness on medicinal plant conservation and biodiversity
Department of Pharmacognosy — JSSCPO	Plans QR-enabled Medicinal Plant Garden for public and student education on medicinal plant conservation	QR garden enabling instant access to plant conservation information; hands-on training for external institutions on herbal standardization

JSSCPM NSS + Smart Campus + Herbal Garden Committees	Coordinated approach: NSS for field events; Smart Campus for campus green policies; Herbal Garden Committee for medicinal plant initiatives	Tree Census Mysuru; sapling plantation; reducing plastic bouquets; jute bags; biodegradable tableware

JSS COLLEGE OF PHARMACY, OOTY (JSSCPO) | *Nilgiris Biosphere · 86 plant species · Flower Show 20,000+ visitors · World Vultures Day · Forest Dept. collaboration · ISO 14001:2015*

3. JSSCPO — FLAGSHIP LAND CONSERVATION IN THE NILGIRIS BIOSPHERE

JSS College of Pharmacy, Ooty is situated within the **Nilgiris Biosphere Reserve** — India's first UNESCO-designated biosphere reserve, covering 5,520 sq. km of exceptional biodiversity. This unique ecological setting makes JSSCPO's land conservation events exceptionally significant: every activity takes place in and around one of the world's biodiversity hotspots. The college's approach is explicitly documented: ***"The College is actively engaged in preserving and expanding the ecosystems within the Nilgiris Biosphere. The biodiversity of medicinal plants is protected and nurtured within the college grounds... A total of 86 species of trees and plants are on the campus. No trees on the campus are cut down and green resilience is promoted by the College Smart Campus committee."***

3.1 Medicinal Plants Exhibition — Ooty Flower Show and Rose Show (May 2026)

JSSCPO's most impactful public conservation event is its annual **Medicinal Plants Exhibition at the Government Botanical Garden's Flower Show and Rose Show**, Ooty — one of the most visited public events in Tamil Nadu. In May 2026, the TIFAC-CORE in Herbal Drugs and Department of Pharmacognosy organised the exhibition as part of the 128th Flower Show.

EVENT: *128th Flower Show and Rose Show, Government Botanical Garden and Government Rose Garden, Ooty*
DATE: *May 2026*
ORGANISER: *TIFAC-CORE in Herbal Drugs and Department of Pharmacognosy, JSS College of Pharmacy, Ooty*

VISITOR REACH: *Over 20,000 visitors — students, researchers, healthcare professionals, tourists, general public*

CONSERVATION DIMENSION: *Showcased therapeutic importance, conservation status, and sustainable utilisation of medicinal plants — translating biodiversity conservation into public health awareness*

RECOGNITION: *21 prizes won for medicinal plant exhibits*

SUSTAINABLE LIVELIHOOD: *Value-added herbal products (eucalyptus oil and gaultheria oil) displayed and sold — ₹3.05 Lakh generated, demonstrating sustainable utilisation of plant biodiversity*

SDG 15.2.1 ALIGNMENT: *Mass public event promoting conservation and sustainable utilisation of Nilgiris medicinal plant biodiversity — the most direct fulfilment of SDG 15 Target 15.6 (fair sharing of genetic resource benefits)*

3.2 World Vultures Day — Forest Plastic Removal, Kallatti–Masinagudi Forest Corridor

On **19 July 2025**, the NSS Unit of JSSCPO, in collaboration with **Singara Forest Range** officials, organised a mass plastic removal and cleaning drive along the forest stretch from **Kallatti to Masinagudi–Moyar** — a critical wildlife corridor in the Nilgiris that connects the Mudumalai Tiger Reserve and Sathyamangalam Wildlife Sanctuary. This is an event explicitly protecting wild land and forest ecosystems.

EVENT: *World Vultures Day — Forest Plastic Removal Campaign*

DATE: *19 July 2025*

LOCATION: *Kallatti to Masinagudi–Moyar forest corridor — Nilgiris wildlife corridor*

PARTNERS: *Singara Forest Range (Government of Tamil Nadu)*

SCALE: *~40 NSS volunteers · ~100 bags of plastic waste and bottles collected*

CONSERVATION IMPACT: *Removed plastic from critical wildlife corridor protecting vultures, wildlife, and forest ecosystem from plastic contamination; tourists along the corridor educated on plastic-free Nilgiris*

SDG 15.2.1 ALIGNMENT: *Directly promotes sustainable utilisation of wild land (Nilgiris forest corridor); forest-focused event in collaboration with government forest authority; protects terrestrial ecosystem from plastic pollution*

3.3 NSS Special Camp — Forest Ecosystem Restoration (March–April 2026)

The **seven-day NSS Special Camp (29 March–4 April 2026)** at the tribal villages of Thengumarahada, Alimayar, and Kallampalayam included significant land conservation activities in collaboration with **Forest Department officials** and **biodiversity experts from the Biodiversity Conservation Trust**. On 1 April 2026, volunteers undertook environmental conservation activities including cleaning riverbanks, removing weeds and thorny bushes across nearly **10 hectares**, and carrying out plantation activities to enhance vegetation for wildlife — all in direct collaboration with Forest Department officials.

CONSERVATION ACTIVITIES: *Riverbank cleaning; weed and thorny bush removal across 10 hectares; plantation for wildlife vegetation; seed collection (soap nut, Seemai Karuvelam, Albizia); public area and water channel cleaning*

FOREST DEPARTMENT COLLABORATION: *Direct working partnership with Forest Department officials during camp — forest ecosystem restoration as joint institutional-government activity*

BIODIVERSITY CONSERVATION TRUST INTERACTION: *Interactive session on 2 April 2026 with biodiversity experts; seed collection of native species; understanding ecological significance of local flora*

TRIBAL COMMUNITY ENGAGEMENT: *Interaction with tribal communities on sustainable lifestyle and environmental practices — conservation knowledge exchange*

PORTAL LINK: *https://jssuni.edu.in/jssaher/activities-and-events/ActivityAndEventDetail.aspx?NOTICESID=7251 (SLSM/Yoga formal 15.2.1 confirmation)*

3.4 Plastic Removal at Murugan Temple Forest Area (4 February 2026)

NSS volunteers conducted a plastic removal drive at the **Murugan Temple, Ooty** on 4 February 2026, collecting and removing plastic waste from the surrounding forest area to protect wildlife and preserve the forest ecosystem. This initiative was explicitly framed to ***"preserve the biosphere of the forest"*** — protecting the Nilgiris ecosystem from plastic contamination entering through temple visitor foot traffic.

3.5 ISO 14001:2015 Environmental Management Certification

JSSCPO holds and actively maintains **ISO 14001:2015 (Environmental Management System)** certification, with the most recent external surveillance audit conducted on **7 May 2026** by auditors from Indian Register Quality Systems (IRQS). This certification provides the institutional quality framework underpinning all land conservation activities — confirming that environmental management is systematically implemented, monitored, and continually improved. Building expansion in the Nilgiris is explicitly governed by **Ministry of Forestry and HADP (Hill Area Development Programme) of Nilgiris** guidelines, with prior permission required — the highest form of land conservation governance for a campus in a biosphere reserve.

📷 **World Vultures Day — 40 NSS Volunteers Clear 100 Bags of Plastic from Kallatti–Masinagudi Forest Corridor (19 Jul 2025)**

Nilgiris Biosphere: NSS + Singara Forest Range joint plastic removal; wildlife corridor from Kallatti to Masinagudi–Moyar; vultures, wildlife protected from plastic contamination; 40 volunteers, 100 bags plastic cleared



📷 **128th Flower Show, Government Botanical Garden, Ooty — Medicinal Plants Exhibition: 21 Prizes, 20,000+ Visitors, ₹3.05 Lakh**

TIFAC-CORE + Dept. Pharmacognosy exhibit; therapeutic importance and conservation status of Nilgiris medicinal plants; value-added herbal products (eucalyptus + gaultheria oil); 21 prizes; ₹3.05 Lakh turnover



📷 **NSS Special Camp — Forest Dept. Collaboration: 10 Ha Ecosystem Restoration, Riverbank Cleaning, Plantation at Kallampalayam (Apr 2026)**

Forest Dept. officials collaborated directly; 10 ha weeding and plantation; Biodiversity Conservation Trust interactive session; seed collection (soap nut, Albizia); tribal communities engaged on sustainable land practices































Figure 3.1: JSSCPO Nilgiris land conservation events — forest plastic removal, medicinal plant exhibitions, NSS ecosystem restoration with Forest Department

JSS COLLEGE OF PHARMACY, MYSURU (JSSCPM) *| Formal "Yes" (15.2.1) · Collaborative Tree Census Mysuru · World Environment Day Sapling Plantation · Campus herbal garden*

4. JSSCPM — COLLABORATIVE TREE CENSUS AND URBAN BIODIVERSITY CONSERVATION

JSSCPM formally confirmed "Yes" to SDG 15.2.1 and has organised two of the most ambitious land conservation events in the JSS AHER portfolio: the **Collaborative Tree Census Project for Mysuru city** (October 2025–March 2026) and the **World Environment Day Sapling Plantation** (5 June 2025). The institution also confirmed the formal answer: ***"Yes. The NSS team and Smart Campus Committee actively work to conserve and improve the ecological system, including insects, plants, and trees, through regular sapling plantations and tree mobilization programs. These plants and trees are maintained using in-house manures prepared from green waste."***

4.1 Collaborative Tree Census Project — Mysuru City (Oct 2025–Mar 2026)

The **Collaborative Tree Census Project** is an extraordinary community-university conservation initiative conducted from **12 October 2025 to 1 March 2026**, coordinating the NSS Unit of JSSCPM with two civil society organisations: **Dr. Smitha Hegde, Director, Centre for Advanced Learning (CFAL), Mysuru**, and **Dr. Bhamy Shenoy, Founder, Mysore Grahakara Parishat (MGP)**. The project systematically documented Mysuru's urban tree wealth through field-based tree documentation.

PROJECT DURATION: *12 October 2025 – 1 March 2026 (approximately 5 months — the most sustained land conservation commitment in the 2025–26 portfolio)*

COLLABORATORS: *CFAL (Centre for Advanced Learning, Mysuru) + Mysore Grahakara Parishat (MGP) — academic and civic society partnership*

CONSERVATION PURPOSE: *Systematic documentation of Mysuru's urban tree wealth → creates baseline for urban biodiversity conservation → enables city administration to protect trees in development planning*

ECOLOGICAL SIGNIFICANCE: *Urban trees support biodiversity (birds, insects, bees), reduce urban heat island effect, sequester carbon, provide habitat connectivity — the census data directly informs conservation decisions*

SDG 15 ALIGNMENT: *The project addresses SDG 15 Target 15.1 (conservation of terrestrial ecosystems), specifically for urban forests and tree ecosystems — contributes to creating the biodiversity knowledge baseline required for sustainable land management*

PORTAL LINK: *https://jssuni.edu.in/jssaher/activities-and-events/ActivityAndEventList.aspx?CATCODE=ENT&OPTION=0 (Tree Census Project Mysuru)*

4.2 World Environment Day — Sapling Plantation (5 June 2025)

The NSS Unit of JSSCPM organised a **Plant Saplings event on 5 June 2025** for World Environment Day, with the theme ***"Our Land, Our Future"*** — the UN's official 2025 World Environment Day theme addressing land restoration. The event raised awareness of global warming threats and mobilised campus and community participation in creating a greener Mysuru.

THEME: *Our Land, Our Future (UN World Environment Day 2025 — directly aligned with SDG 15)*
CONSERVATION MESSAGE: *Land restoration and tree planting as the response to global warming; community pledge to build a greener planet*
SUSTAINABLE MAINTENANCE: *Trees and plants maintained using in-house manures prepared from green waste — closed-loop sustainable land care*

4.3 Campus Biodiversity — Fruit Trees and Kitchen Garden

The JSSCPM campus maintains fruit-bearing trees (**jackfruit, mango, banana, coconut, tamarind, bael fruit**) and vegetable plants (**cucumber, ladies' finger, drumstick**) that yield produce seasonally, shared with staff, students, and visitors. The Smart Campus Committee has **increased the number of trees on campus**, providing shelter to birds, insects, bees, and earthworms, while eliminating the use of amphibians and rodents in undergraduate teaching — directly protecting micro and macro-ecological systems.



Figure 4.1: JSSCPM land conservation events — Mysuru Tree Census (Oct 2025–Mar 2026) and World Environment Day sapling plantation

5. JSSMC — WORLD ENVIRONMENT DAY, SEEDBALL DISTRIBUTION, AND GREEN CAMPUS RESEARCH

5.1 World Environment Day — Sapling Plantation (5 June 2025)

The NSS Unit of JSSMC conducted a **sapling implantation programme on 5 June 2025** in the JSSMC campus garden, with participation from Principal Dr. Narayanappa D, Vice-Principals Dr. Suma M.N. and Dr. Praveen Kulkarni, Administrative Officer Mr. Sathish Chandra, and Sports Director Mr. Lokeshappa H.

Specifically, **Jackfruit saplings** were planted — a species with outstanding ecological and food security significance: its fruits feed wildlife, its leaf litter enriches soil, and its shade creates microhabitat. The Bannimantap plantation later in the year also contributed 300 saplings to community green cover.

SAPLING SPECIES: *Jackfruit (Artocarpus heterophyllus) — food security + biodiversity value; local fruit-bearing species*
PARTICIPATION: *Principal, Vice-Principals, Administrative Officer, Sports Director, NSS student volunteers — institutional leadership commitment*
SDG 15.2.1 SIGNIFICANCE: *Led by institutional leadership, documented, campus-based tree plantation event aligned with global land conservation day*

5.2 Seedball Distribution Programme (17–19 July 2025)

The **Seedball Distribution Programme (17–19 July 2025)** was organised by ICAR JSS KVK in collaboration with the **Eco Club, JSS Residential School** and the Department of School Education and Literacy, with the presence of His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji, MLA Shri B.Y. Vijayendra, and MP Shri Yaduveer Krishnadatta Chamaraja Wodeyar. The programme covered afforestation, environmental conservation, and biodiversity conservation — connecting the JSS institutional ecosystem to formal government land conservation effort.

PURPOSE: *Seedball preparation, distribution, and sowing in Forest Department-approved areas — direct contribution to afforestation*
CONSERVATION MESSAGE: *Role of Suttur Math in environment protection; climate change impact on agriculture; biodiversity conservation*
INSTITUTIONAL BREADTH: *Cross-institutional: ICAR JSS KVK + Eco Club + School Education Dept. + political and spiritual leadership*

5.3 ICMR Phytoremediation Research — Plant Wall Air Filtration (₹40.31 Lakh)

JSSMC's land conservation contribution also includes cutting-edge research: the ICMR-funded project ***"Phytoremediation of indoor air pollution in urban homes to improve air quality using innovative-sustainable technology-based plant wall air filtration system"*** (PI: Dr. Rajesh Kumar T, Biochemistry, ₹40,31,649) — which directly applies plant-based sustainable technology to solve urban environmental health problems. This research validates the role of plants in built environments, strengthening the scientific evidence base for vegetation-based land use strategies.

JSS DENTAL COLLEGE AND HOSPITAL (JSSDCH) *| Eco Club (Dr. Premalatha, Dr. Thippeswamy) · Best Out of Waste Competition · Green Campus · Medicinal Plants Garden · Environmental Sciences curriculum*

6. JSSDCH — ECO CLUB, BEST OUT OF WASTE, AND MEDICINAL PLANTS CONSERVATION

6.1 Eco Club — Student-Driven Ecological Conservation

The **Eco Club at JSS Dental College and Hospital**, led by faculty coordinators **Dr. Premalatha B.R.** and **Dr. Thippeswamy H.M.**, is the institutional hub for land conservation events at JSSDCH. It is explicitly described as "a student-driven initiative focused on promoting environmental consciousness, green campus drives, and sustainability" with active engagement in "ecological preservation." The Club operates year-round with a programme of conservation activities aligned with global environmental days.

FACULTY COORDINATORS: *Dr. Premalatha B.R. and Dr. Thippeswamy H.M. (Department of Public Health Dentistry)*
FOCUS AREAS: *Environmental consciousness · Green campus drives · Sustainability · Ecological preservation*
OPERATING MODEL: *Student-driven with faculty guidance; coordinates with NSS for field activities; connects with Smart Campus Committee for infrastructure*

6.2 Best Out of Waste Competition (25 February 2026)

The Department of Conservative Dentistry and Endodontics organised a **"Best Out of Waste" Competition on 25 February 2026** with the theme ***"Minimal Waste, Maximum Restoration!"*** — drawing a deliberate parallel between conservative dentistry (preserving tooth structure) and environmental conservation (preserving natural materials). **31 teams of BDS students (2nd, 3rd, and 4th year)** transformed discarded materials into innovative models, artwork, and functional items, many incorporating conservation principles. This event promoted the circular economy model — a sustainable land use principle by reducing manufacturing demand.

THEME: *Minimal Waste, Maximum Restoration — conservation philosophy applied simultaneously to dental practice and environmental stewardship*

CONSERVATION DIMENSION: *Waste minimisation reduces extraction of raw materials from land; promotes conservation through resource efficiency; demonstrates that conservation is relevant to health sciences*

SDG 15.2.1 SIGNIFICANCE: *Cross-disciplinary conservation event where sustainability principles are applied to professional practice — building lasting conservation values in future healthcare professionals*

6.3 Green Campus — Medicinal Plants Garden and Environmental Sciences

JSSDCH has established a **Medicinal Plants Garden** and promotes eco-friendly cultivation practices by organising a medicinal plants exhibition at JSS Urban Health Centre — connecting medicinal plant conservation to community healthcare. The institution includes **Environmental Sciences** in all courses as stipulated by UGC, organises **World Environment Day** and **World Water Day** programmes, and believes in preserving traditional medicine through its herbal garden. The Smart Campus Initiatives include landscaping around the college, ensuring green cover throughout the campus.



Figure 6.1: JSSDCH land conservation events — Eco Club programme and Best Out of Waste competition

7. SCHOOL OF LIFE SCIENCES, JSS KVK, AND UNIVERSITY-WIDE RESEARCH SUPPORTING LAND CONSERVATION

The **School of Life Sciences, Mysuru (SLSM)** formally confirmed "Yes" to 15.2.1 with the weblink NOTICESID=7251, and the **Department of Yoga** confirmed "Yes" with the same evidence link. SLSM's land conservation contribution is research-led: a 15+ publication portfolio directly addressing terrestrial ecosystem knowledge.

7.1 SLSM Research on Land Ecosystems

Publication / Research	Author / Department	Land Conservation Dimension
Preservation of a GI-tagged banana cultivar: insights from tissue culture and DNA barcoding of Nanjangud Rasabale	Bhat AR, SLSM. Indian J Hortic. 2025;82(3):297-302	Plant genetic diversity conservation; GI-tagged cultivar preservation through tissue culture; biodiversity protection of traditional food crop
Comparative soil suitability assessment for organic cultivation of red sorghum (Sorghum bicolor L.)	Maalavika N, SLSM. Int J Plant Soil Sci. 2025;37(9):367-77	Sustainable land use for agriculture; soil health assessment enabling organic farming transitions; reduces chemical input land degradation
Integrating AI for sustainable wildlife management	Sivamani Y, SLSM. Int J Environ Sci. 2025;11(24s):5922-5938	Direct wildlife management and conservation technology; AI tools for protecting terrestrial biodiversity
Epidemiological insights into canine rabies: One Health implications	Viswanathan Naveenkumar, SLSM. One Health. 2025;00:101-128	Wildlife-human-ecosystem interface; rabies as a zoonosis connecting wildlife conservation to public health (One Health model)
Meta-analysis of bovine leptospirosis prevalence in India	Kirubakaran Vinod Kumar, SLSM. Arch Razi Inst. 2025	Livestock-wildlife disease interface; leptospirosis as zoonosis; biodiversity-health nexus in land ecosystems
GABA in plants: biosynthesis, plant development, and food security (3 book chapters)	Ramu R, SLSM. Wiley; 2025. ISBN: 9781394217786	Plant biochemistry supporting biodiversity science; GABA as phytomolecule in multiple plant species

Polyphenol altilisol from Artocarpus altilis leaves — ACE inhibitory activity	Siddesha JM, SLSM. Phytomed Plus. 2025;5(4):100901	Artocarpus (breadfruit) species — tropical biodiversity utility; medicinal value of plant species from tropical terrestrial ecosystems
Multiple publications on Thunbergia mysorensis bioactive compounds	Kokila NR et al., SLSM. J Biomol Struct Dyn. 2025	Thunbergia mysorensis — a Mysuru-endemic plant species; phytochemical research supports conservation through demonstrated utility

7.2 ICAR JSS KVK — Land Conservation Events at Scale

The **ICAR JSS KVK, Suttur** (Best Sector KVK Award, 1994–present) organises land conservation events at the community scale that extend JSS AHER's conservation reach far beyond the campus. The **Vikasit Krishi Sankalp Abhiyan** reached 34,669 farmers in 131 villages promoting **natural farming, soil health, and sustainable land use** — the most direct possible form of promoting sustainable utilisation of agricultural land at scale. Training on millet-based crops promotes crop diversification and reduces monoculture land degradation.

NATURAL FARMING TRAINING: *5-day residential sessions; 42 farmers per cohort; Panchagavya, Jeevamrutha, Brahmastra — reduces chemical land degradation*

SOIL HEALTH TRAINING: *52.07% of Mysuru district soil unhealthy; soil testing and biofertelizer training restores soil biodiversity and ecosystem function*

GI-TAGGED CROP PROMOTION: *Nanjangud Rasabale, Mysuru Mallige, black paddy — promotion of traditional crop biodiversity conserving agrobiodiversity on land*

SEEDBALL DISTRIBUTION (17–19 JUL 2025): *Seeds prepared and distributed for Forest Department-approved sowing — direct contribution to afforestation*

8. MASTER EVIDENCE TABLE — INDICATOR 15.2.1

Event	Date	Organiser	Scale / Reach	Land Conservation Dimension	SDG 15 Target	Evidence Link
Medicinal Plants Exhibition — 128th Flower Show and Rose Show, Ooty	May 2026	TIFAC-CORE + Dept. Pharmacognosy, JSSCPO	20,000+ visitors; 21 prizes; ₹3.05 Lakh	Conservation and sustainable utilisation of medicinal plant biodiversity; Nilgiris biosphere species showcased; herbal product sustainable livelihoods	15.6 (fair sharing of genetic resources); 15.5 (biodiversity)	JSSCPO SDG 15 source document
World Vultures Day — Forest Plastic Removal, Kallatti–Masinagudi Forest Corridor	19 Jul 2025	NSS Unit JSSCPO + Singara Forest Range	40 NSS volunteers; ~100 bags plastic	Plastic removal from active wildlife corridor; direct forest ecosystem and biodiversity protection; government forest authority partnership	15.1 (terrestrial ecosystems); 15.5 (halt biodiversity loss)	JSSCPO SDG 15 source document
NSS Special Camp — Forest Ecosystem Restoration	1–4 Apr 2026	NSS JSSCPO + Forest Dept. officials + Biodiversity Conservation Trust	10 hectares; tribal villages; 3 days	Weeding, plantation, riverbank cleaning in 10 ha; seed collection (native species); tribal community engagement; biodiversity experts interaction	15.1 (restoration); 15.5 (biodiversity)	https://jssuni.edu.in/jssaher/activities-and-events/ActivityAndEventDetail.aspx?NOTICESID=7251
Plastic Removal at Murugan Temple Forest Area, Ooty	4 Feb 2026	NSS Unit JSSCPO	NSS volunteers; Ooty forest area	Forest ecosystem plastic removal; "preserve the biosphere of the forest" framing; protecting forest wildlife from plastic contamination	15.1 (terrestrial ecosystems)	JSSCPO SDG 15 source document

Collaborative Tree Census Project — Mysuru City	12 Oct 2025–1 Mar 2026	NSS JSSCPM + CFAL (Dr. Smitha Hegde) + MGP (Dr. Bhamy Shenoy)	5-month systematic field documentation; Mysuru urban forest	Urban biodiversity documentation; baseline for urban forest conservation; community-university-NGO collaboration	15.1 (conservation of terrestrial ecosystems); 15.5	JSSCPM SDG 15 source document; portal link
World Environment Day — Sapling Plantation, JSSCPM	5 Jun 2025	NSS JSSCPM	Campus + community; theme "Our Land, Our Future"	Tree plantation; green waste composting for tree maintenance; closed-loop sustainable land care; global land conservation day	15.2 (sustainable forest management); 15.3 (desertification/land restoration)	JSSCPM SDG 15 formal "Yes" response
World Environment Day — Jackfruit Sapling Plantation, JSSMC	5 Jun 2025	NSS JSSMC (Dr. Manu G)	Principal, VP, AO, faculty, students	Jackfruit species plantation; institutional leadership conservation commitment; local species supporting biodiversity	15.2 (sustainable forests)	JSSMC SDG 12/15 source document
Seedball Distribution Programme	17–19 Jul 2025	ICAR JSS KVK + Eco Club JSS Residential School + School Education Dept.	Political and spiritual leadership; broad community	Seedball preparation and distribution for Forest Dept.-approved afforestation areas; climate change and biodiversity conservation awareness	15.2 (sustainable forest management)	SDG 2 source document; SDG 7 prior session data
Eco Club — Green Campus Drives and Ecological Preservation, JSSDCH	Ongoing 2025–26	Eco Club, JSSDCH (Dr. Premalatha B.R., Dr. Thippeswamy H.M.)	All JSSDCH students and staff	Green campus drives; ecological preservation; biodiversity awareness; campus tree and plant maintenance	15.1; 15.5	JSSDCH SDG 15 source document

"Best Out of Waste" Competition	25 Feb 2026	Dept. Conservative Dentistry and Endodontics, JSSDCH	31 BDS teams (2nd, 3rd, 4th year)	Conservation philosophy through waste minimisation; reduces demand for raw material extraction; circular economy in professional practice	15.1 (sustainable use of resources)	JSSDCH SDG 15 source document
Tree Plantation + "Prakriti" Green Club Launch — 64th National Pharmacy Week	Jan 2026	JSSCPO + IQAC	All JSSCPO students and staff	Green Club formally launched; sapling plantation during celebrations; biodiversity awareness embedded in pharmacy education	15.5 (biodiversity)	JSSCPO SDG 15 source: Green Club section
Water Dispenser Donation + Tree Plantation — Tribal School, Devala	12 Sep 2025	NSS JSSCPO + Alumni Association	Tribal school students + community	Tree plantation at tribal school during community conservation programme; green cover in tribal area; conservation awareness	15.2; 15.b (community conservation)	JSSCPO SDG 15 source document
Vikasit Krishi Sankalp Abhiyan — Natural Farming for Sustainable Land Use	29 May–12 Jun 2025	ICAR JSS KVK	34,669 farmers; 131 villages	Natural farming = sustainable land use; Panchagavya/Jeevamrutha reduces land chemical degradation; soil health restoration at scale	15.3 (land degradation); 15.1 (ecosystems)	SDG 2.5.1 source PDF
TIFAC-CORE Training — Herbal Drug Standardization for Ayurveda and Sona	2–11 Mar 2026 and 14 Feb 2026	Dept. Pharmacognosy, JSSCPO	11 Ayurveda PGs + 2 faculty; 26 Sona College students	Training on sustainable utilisation of medicinal plants; herbal drug standardization supporting conservation through commercial	15.6 (fair sharing of genetic resources)	JSSCPO SDG 15 source document

College Students				viability; DNA barcoding for plant authentication		