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

Educational Outreach on Sustainable Land Management for Agriculture

1. EXECUTIVE SUMMARY

JSS Academy of Higher Education & Research (JSS AHER) offers the most extensive and deeply documented portfolio of educational programmes and outreach on sustainable land management for agriculture of any SDG indicator in the institution's portfolio. This report directly addresses **SDG 15, Indicator 15.2.5** and the university-level answer is a comprehensively evidenced **Yes** — anchored in the ICAR JSS Krishi Vigyan Kendra (KVK) at Suttur, which functions as a **dedicated community institution for sustainable agricultural land management education**, serving 2,229 farmers annually with structured training, plus the JSSCPO TIFAC-CORE herbal drug standardisation outreach for sustainable medicinal plant land management.

The KVK's 2025–26 sustainable agriculture education outreach operates at unprecedented scale: the **Vikasit Krishi Sankalp Abhiyan** reached **34,669 farmers across 131 villages in 15 days** (May–June 2025), providing direct on-farm education on soil health, sustainable land preparation, natural farming, and biodiversity-based crop management. Beyond this mass campaign, the KVK ran **eleven distinct structured training programmes** in 2025–26, covering: organic farming (42 farmers, 5 days), natural farming for Krishi Sakhis and CRPs (40+38 community trainers, 5 days each), mushroom farming (42 farmers), agricultural machinery (42 farmers), sheep/goat rearing (70+), legumes technology (250+ farmers), paddy production (200+), World Coconut Day (150+), beekeeping/horticulture (70+), women's food value addition (35+), and cooperative staff nutrition management (90 staff, 3 batches). Together, these represent an ecosystem of sustainable land management education unmatched in scale, depth, and community reach in the region.

34,669 **FARMERS REACHED — VIKASIT KRISHI SANKALP ABHIYAN** *131 villages · 15 days · Mysuru district · soil health, natural*	**2,229** **FARMERS TRAINED ANNUALLY — JSS KVK** *Best Sector KVK Award · structured programmes · all*	**11+** **DISTINCT TRAINING PROGRAMMES — 2025–26** *Organic farming · natural farming · mushroom ·*	**90** **COOPERATIVE STAFF — CCINM CERTIFICATE COURSE** *Certificate in Nutrition Management · 3 batches · soil health knowledge multipliers*

farming, sustainable land management	*aspects of sustainable agriculture*	*machinery · legumes · paddy · livestock · beekeeping*	

52.07% **MYSURU DISTRICT SOIL UNHEALTHY — DOCUMENTED CRISIS** *Dr. K.H. Ravi, Joint Director, Agriculture Dept. — KVK outreach directly addresses this documented land health crisis*	**1.5 Lakh ha** **NATURAL FARMING TARGET — NMNF SCHEME** *KVK Suttur = District Training Centre for NMNF; natural farming across Karnataka targeted*	**26 + 11** **EXTERNAL TRAINEES — JSSCPO TIFAC-CORE** *26 Sona College students (14 Feb 2026) + 11 JSS Ayurveda PG students (2–11 Mar 2026) — herbal sustainable land use*	**Best Sector** **KVK NATIONAL AWARD** *"Best Sector KVK Award" — national recognition for sustainable agriculture education leadership*

2. INSTITUTIONAL FRAMEWORK — JSS AHER AS A SUSTAINABLE LAND MANAGEMENT EDUCATION HUB

JSS AHER's sustainable agriculture land management education operates through three institutional arms, each serving distinct community audiences:

Institutional Arm	Programme Type	Community Audience	Sustainable Land Management Focus	Scale
ICAR JSS KVK Suttur (est. 1994)	Structured training (5-day residential, 1-day, field camps); village outreach; farmer-scientist interactions; demonstration farms	Local farmers (men and women), rural communities, women SHGs, tribal farmers, Krishi Sakhis, CRPs, cooperative staff, rural youth across Mysuru district	Soil health, organic farming, natural farming, crop diversification, integrated farming systems, agro-biodiversity, water-efficient irrigation, land restoration	2,229 farmers/year; 34,669 (VKSA); 131 villages; Best Sector KVK Award
JSSCPO TIFAC-CORE in Herbal Drugs + Dept. Pharmacognosy	Hands-on external training for students and professionals from other institutions on herbal drug standardisation and sustainable plant harvesting	Postgraduate students from JSS Ayurveda Medical College; students from Sona College of Arts and Science, Salem; practitioners and researchers from other institutions	Sustainable utilisation of medicinal plants (wild and cultivated); sustainable harvesting protocols; phytochemistry as the science behind sustainable plant agriculture; AYUSH-compliant herbal land use	26 Sona College (14 Feb 2026) + 11 JSSAMC PG students (2–11 Mar 2026)
JSS Jana Shikshana Sansthan + JSS KVK	Vocational training under Ministry of Skill Development (Govt. of India); food value-addition enterprise training for women farmers	Women farmers, Self-Help Group (SHG) members, rural women entrepreneurs from tribal and rural communities of Mysuru taluk	Food value-addition from agricultural produce — connecting land productivity to sustainable livelihoods; reducing post-harvest food waste; market-linked sustainable agriculture	35+ women (Sep 2025); tribal area TSP scheme beneficiaries

> *"JSS AHER functions as a knowledge hub and technology dissemination centre for surrounding rural and semi-urban populations... These models act as live classrooms for farmers and community members." — SDG 2.5.1 source document, JSS AHER*

3. VIKASIT KRISHI SANKALP ABHIYAN — SUSTAINABLE LAND MANAGEMENT AT NATIONAL SCALE

The **Vikasit Krishi Sankalp Abhiyan (VKSA)** (May 29–June 12, 2025) is the most significant single sustainable agriculture land management education programme in the JSS AHER portfolio. Initiated by the **Bhartiya Krishi Anusandhan Parishat (ICAR), New Delhi**, the 15-day national campaign was implemented in Mysuru district by ICAR JSS KVK Suttur in collaboration with Departments of Agriculture, Horticulture, Animal Husbandry, Fisheries, Panchayat Raj, NGOs, and progressive farmers. It reached **34,669 farmers across 131 villages** — the largest outreach figure in the JSS AHER SDG portfolio for any single programme.

3.1 Sustainable Land Management Content Covered During VKSA

Sustainable Land Management Topic	Detail Covered	Who Delivered	SDG 15.2.5 Significance
Soil health and testing	52.07% of Mysuru district soils are unhealthy (Dr. K.H. Ravi, Joint Director, Agriculture Dept.); soil testing procedures; soil sampling methods; nutrient management based on soil results	Dr. G.M. Vinay (KVK Horticulture); Dr. K.H. Ravi (Agriculture Dept.)	Direct restoration of unhealthy agricultural land through science-based soil management — the most critical sustainable land management challenge in the district
Natural farming inputs	Preparation of Jeevamrutha (fermented microbial culture), Beejamrutha (seed treatment), Gokrupamrutha, Panchagavya — natural alternatives to chemical inputs; Brahmastra and Agni Astra for pest management	Mr. Shamraj (KVK Agronomist); progressive farmer Prithviraj (Varakodu, natural farming pioneer); subject experts from KVK	Chemical-free agriculture reduces soil degradation; natural inputs restore soil microbiome; sustainable land use through traditional ecological knowledge combined with science
Organic and green manure	Use of organic and green manures including cow dung, peat, neem husk; neem-based treatments; biogas slurry as natural fertiliser	Dr. G.M. Vinay; Dr. Prasad Y.P. (Plant Protection)	Replaces synthetic fertilisers that degrade soil structure and reduce agricultural land productivity over time
Bio-fertilisers	Vermicompost, Trichoderma, Pseudomonas — biological soil health agents; application and use training	All KVK scientists	Soil microbiome restoration; biological enhancement of agricultural land fertility
Integrated pest and disease management	Biological pesticides, sticky traps, attractants; integrated management for maize, millet, rice, coconut, chillies; NBAIR Bengaluru biological control techniques	Dr. Prasad Y.P. (KVK Plant Protection); NBAIR scientists (drone demonstration)	Reduces chemical pesticide application that degrades soil ecosystems and water quality

Crop diversification and rotation	Introduction of disease-resistant varieties; seed treatment; crop selection for soil health; raised bed planting techniques; micronutrient spray; GI-tagged crops	Dr. G.M. Vinay; progressive farmers on dais; Agriculture Officer Jagannath	Prevents monoculture land degradation; maintains agrobiodiversity on agricultural land
Water-efficient irrigation	Sprinkler, drip irrigation; water conservation in crop production; rainwater harvesting for agriculture	Agriculture Dept. officials; KVK subject experts	Sustainable water use on agricultural land — prevents waterlogging and soil salinisation
Integrated farming systems	Crop + livestock + compost integrated systems; fodder management; mixed farming; sustainable dairy integration	Dr. Shivaswamy (Veterinary Research Institute, Bengaluru); Dr. Basavaraj Sajjanna	Integrated land use maximises productivity while maintaining soil health; circular economy on agricultural land
Agri-based enterprise and value-addition	Market-linked sustainable farming; agri startups; nursery production; horticulture enterprise; value-addition to reduce post-harvest waste	Dr. Dennis Chauhan (Swami Vivekananda Youth Movement); progressive farmers; KVK scientists	Economic sustainability of agricultural land use — without profitability, sustainable practices are not adopted

TOTAL REACH: *34,669 farmers across 131 villages in 15 days (May 29–June 12, 2025) — the most extensive single sustainable agriculture outreach programme in Mysuru district history*

FARM VISITS: *Progressive farms of Parashivamurthy (Kempegowdanahundi, certified organic) and Krishnegowda (Varakhodu, integrated farming) visited — farm-scale demonstration of sustainable land management*

INAUGURATION: *His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji; KVK Head Dr. B.N. Gnanesh; Joint Director of Agriculture Dr. K.H. Ravi*

PORTAL LINK: *https://jssonline.org/icar-jss-krishi-vigyan-kendra-suttur/*

Vikasit Krishi Sankalp Abhiyan — 34,669 Farmers, 131 Villages: Soil Health Testing Demo, Natural Farming Inputs, Sustainable Land Management (May–Jun 2025)
VKSA: soil testing for 52.07% unhealthy Mysuru soil; Jeevamrutha/Beejamrutha preparation; bio-fertilisers (Trichoderma, Pseudomonas); integrated pest management; GI-tagged crops; raised bed planting; micronutrient sprays; crop diversification — comprehensive sustainable land management curriculum for 34,669 farmers

VKSA District-Level Programme at T. Narasipura: 600+ Farmers, Joint Director of Agriculture, Soil Health Crisis (52.07% Mysuru Unhealthy), Multiple Departmental Experts on Dais
T. Narasipura VKSA (11 Jun 2025): Dr. K.H. Ravi (Joint Director, Agriculture); Dr. M.J. Chandregowda (ICAR-IVRI); 600+ farmers including Krishi Sakhis and Pashu Sakhis; agricultural implements exhibition; multiple government scheme awareness + sustainable farming science

VKSA Progressive Farmer Farm Visit — Parashivamurthy (Kempegowdanahundi, Organic) + Krishnegowda (Varakhodu, Integrated): Live Demonstration of Sustainable Agricultural Land Management
On-farm learning: organic farm Parashivamurthy (Panchagavya, natural methods, certified); integrated farm Krishnegowda (crop+livestock+vermicompost, mixed farming); US delegates (Dr. Scot Heriatt, Maharshi International University) also visited — international validation of sustainable Indian land management

ICAR JSS KVK — FIVE-DAY RESIDENTIAL PROGRAMMES | *Organic farming · Natural farming CRPs · Mushroom · Machinery · 42 farmers per cohort · Multi-taluk reach*

4. FIVE-DAY RESIDENTIAL TRAINING PROGRAMMES — DEEP SUSTAINABLE AGRICULTURE EDUCATION

Beyond the mass VKSA campaign, JSS KVK conducts intensive **five-day residential training programmes** that provide deep, practical sustainable land management education. The residential format allows immersive learning with field visits to progressive farms, hands-on preparation of natural farming inputs, and practical machinery training. Each programme receives 42 farmers from multiple taluks of Mysuru district — carefully selected for geographic diversity to maximise knowledge multiplier effect.

SUSTAINABLE AGRICULTURE TRAINING
18–22 Nov 2025

Five-Day Organic Farming Skills Training

ICAR JSS KVK campus, Suttur + field visit to progressive organic farm (Prabhuswamy, Suralli village, Nanjangud taluk) **42 farmers and farm women (6 from each taluk of Mysuru district)**

Content: Concept, importance, and principles of organic farming; soil, plant health, and water management; seed conservation in organic systems; seed production; animal husbandry in organic farming; organic pest and disease management; Panchagavya, Jeevamrutha, Brahmastra, Agni Astra preparation (live demonstration at progressive farmer field); marketing and value addition of organic produce

Sustainable Land Management Dimension: Eliminates chemical inputs from agricultural land; restores soil health through organic matter cycling; seeds conservation prevents monoculture land degradation; animal husbandry integration creates closed-loop sustainable land system

Supervised by KVK subject experts; Shri Shamaraj + Dr. Y.P. Prasad

SUSTAINABLE AGRICULTURE TRAINING
16–20 Sep 2025

Five-Day Natural Farming Training — CRPs under NMNF Scheme

ICAR JSS KVK campus, Suttur + live demonstration at Prithviraj's natural farm (Varakodu, Mysuru) **38 Community Resource Persons (CRPs) from multiple taluks; also 40 Krishi Sakhis (17 Sep 2025)**

Content: Natural farming principles; relevance in modern agriculture; tool preparation; crop selection for natural farming; intercropping; horticulture in natural farming; Beejamruta (seed treatment), Jeevamruta (soil inoculant); pest and disease management without chemicals; marketing of naturally grown crops; indigenous cattle breeds and their role in natural farming

Sustainable Land Management Dimension: National Mission on Natural Farming (NMNF) — target 1.5 lakh hectares across India; KVK Suttur is the district training centre; CRPs trained here then train 100+ farmers each in their own taluks — exponential community knowledge multiplication

KVK Suttur selected as District Training Centre for NMNF; Nodal Officers of NMNF commended JSS KVK at valedictory

SUSTAINABLE AGRICULTURE TRAINING
25 Nov 2025

Five-Day Mushroom Farming and Value Addition Training

ICAR JSS KVK campus, Suttur; in collaboration with Agricultural Technician Management Institute, Dept. of Agriculture, ICAR, Mysuru **42 farmers and farm women from various taluks of Mysuru district**

Content: Mushroom varieties and their environmental requirements (temperature, humidity, moisture, hygiene); production methods; value addition; income generation from mushroom cultivation as a sustainable supplement to conventional farming; enterprise development

Sustainable Land Management Dimension: Mushroom farming uses agricultural residues (land waste becomes productive substrate); provides income from otherwise unused farm land space; reduces dependency on monoculture; promotes sustainable diversification of agricultural land use

Chief guest Dr. N.N. Asha (UAS Mandya); presided by Dr. B.N. Gnanesh; progressive farmer Smt. Lalitha as resource person

Five-Day Agricultural Machinery Repair Training

SUSTAINABLE AGRICULTURE TRAINING 11–21 Nov 2025 (two batches: 11–15 and 17–21 Nov)	*ICAR JSS KVK campus + VC Farm, Mandya (practical exposure)* **42 farmers per batch from various taluks of Mysuru district**
	Content: Agricultural machinery types and operation; repair skills for common farm equipment; mechanisation in paddy cultivation; practical repair of tractors, power tillers, and farm implements; independence from centralised repair services; cost reduction in farm operations
	Sustainable Land Management Dimension: Mechanisation reduces soil compaction from repeated tillage; enables timely sowing and harvesting (critical for moisture conservation); equipment maintenance reduces fuel use and cost; self-sufficient farmers maintain machinery for optimal land management outcomes
	Dr. B.S. Basavaraju (Joint Research Director, UAS Mandya); Shri N.M. Shivashankarappa (Director Rural Development, JSS Mahavidyapeetha)

Five-Day Organic Farming Training (Nov 2025) — 42 Farmers Visit Progressive Organic Farm (Suralli, Nanjangud): Live Panchagavya, Jeevamrutha, Brahmastra Preparation; Seed Conservation; Organic Pest Management

Organic farming: 5-day residential; 42 farmers (6/taluk); ATMA Yojana + Dept. Agriculture Mysuru; field visit to Prabhuswamy farm (Nanjangud, Suralli) — live Jeevamrutha/Panchagavya/Brahmastra; soil health, seed conservation, organic pest management; marketing organic produce; closing chemical land degradation cycle

Five-Day Natural Farming Training for CRPs and Krishi Sakhis (Sep 2025) — NMNF Scheme: KVK Suttur = District Training Centre; 38 CRPs + 40 Krishi Sakhis Each Train 100+ Farmers — Exponential Community Land Management Knowledge Multiplication

NMNF: CRPs trained at JSS KVK then multiply knowledge; Krishi Sakhis implement in fields; Prithviraj (Varakodu) live demonstration (intercropping, natural rice, Jeevamruta); Dr. Rakshitraj on indigenous cattle in natural farming; 1.5 lakh hectares national target; KVK = Mysuru district hub

Beyond the flagship VKSA and five-day residential programmes, JSS KVK conducted **eight additional structured sustainable agriculture education programmes** in 2025–26, each targeting specific aspects of sustainable land management for local communities:

Programme	Date	Audience	Sustainable Land Management Content	Scale
Legumes Technology Day + PM Dhan-Dhaanya Krishi Yojana live telecast	11 Oct 2025	Farmers + 89 JSS women students	Legume cultivation: soil nitrogen fixation (reduces synthetic fertiliser need); seed treatment; pulse varieties; value addition; climate-resilient practices; soil health improvement through pulses; sustainable rainfed land management	250+ farmers and women
World Coconut Day + farmer-scientist interaction + drone demo	4 Sep 2025	Farmers + IAT Mysore + NBAIR Bengaluru scientists	Integrated coconut agroforestry; multi-cropping vs. monoculture; biological pest management (predatory/parasitic organisms; drone spraying); agricultural waste utilisation within plantation; seedling selection and nursery; water management in coconut	150+ farmers including women
National Horticulture Day + Beekeeping Training	8 Aug 2025	Farmers + KVK staff	Horticulture in sustainable farming; mango, litchi, lakshmana fruit cultivation; beekeeping to enhance	70+ farmers

			pollination and soil-to-crop productivity; honeybee decline from chemical use and solutions; value addition in horticulture produce	
Paddy Production Technologies + PM Kisan live telecast	5 Aug 2025	Farmers + Dept. Agriculture officials	Mechanisation in paddy; seedling production; balanced fertiliser use vs. barnyard manure; improved paddy varieties and seed production; seed treatment; common pest and disease control; black paddy GI varieties (Kaljeera, Chakhao); health benefits of less chemically intensive paddy production	200+ farmers
CCINM Certificate Course (3 batches)	Aug–Oct 2025	90 cooperative staff (Chamarajanagara + Mysuru district societies)	Soil fertility protection as foundation of sustainable farming; bio-fertilisers (Rhizobium, Pseudomonas, micronutrients); soil testing every 2 years; nano-fertilisers; water-soluble fertilisers; crop diversification for soil health during monsoons; trained staff become extension agents for sustainable land management knowledge	90 cooperative staff in 3 batches
Sheep and Goat Rearing Training	4 Jul 2025	Livestock farmers + entrepreneurs	Animal husbandry as sustainable land management: integrated crop-livestock systems; organic manure production from livestock; antibiotics reduction in livestock (eco-system protection); breed selection for local climatic conditions; fodder management and land productivity	70+ farmers
Women Food Value Addition Vocational Training	Sep 2025	Women farmers + SHG members	Value addition from agricultural produce: spice powders, pickles, ragi happala, cereal-based products, sandige; connection between sustainable farming and market-ready income; PMFME scheme (PM Micro Food Processing Enterprises); entrepreneurship from agricultural land products	35+ women SHG members
Seedball Distribution Programme	17–19 Jul 2025	Students + community + political + spiritual leadership	Afforestation for land restoration; "planting trees should not be limited to Environment Day but practiced throughout the year as a true gesture of respecting Mother Nature" (Shri B.Y. Vijayendra, BJP State President); environmental-agricultural balance for sustainable land use	Community-wide; MLA, MP, spiritual leader, artist participated

World Coconut Day (4 Sep 2025) — NBAIR Bengaluru Drone Demo: Sustainable Coconut Agroforestry, Biological Pest Management, Integrated Nutrient Management; 150+ Farmers + Scientists *World Coconut Day: IAT + NBAIR Bengaluru (biological pest management, drone application); Dr. Vinay (coconut varieties, intercropping, water management); Dr. Ramegowda/Dr. Prasad (integrated pest-disease management); progressive farmer Basavanna (water-use innovations); 150+ farmers on sustainable coconut land management*	**CCINM Certificate Course — 90 Cooperative Staff (3 Batches, Aug–Oct 2025): Trained as Agricultural Extension Agents for Soil Health, Bio-Fertilisers, Sustainable Land Management Across Mysuru + Chamarajanagara Districts** *CCINM: Dr. Y.N. Shivalingaiah (Director Extension, UAS Bengaluru) keynote; Smt. Jyothi Urs (Deputy Manager, Chamarajanagara Cooperatives) chief guest; 90 cooperative staff trained as "technical agents" for farmers; soil testing, bio-fertilisers, crop diversification, nano-fertilisers — knowledge multipliers for sustainable land management*

JSSCPO TIFAC-CORE IN HERBAL DRUGS + DEPT. PHARMACOGNOSY | *Hands-on training for Ayurveda PG students + Sona College students on herbal plant standardisation · Sustainable medicinal plant land management*

6. JSSCPO — SUSTAINABLE MEDICINAL PLANT LAND MANAGEMENT EDUCATION FOR EXTERNAL COMMUNITIES

JSSCPO's TIFAC-CORE in Herbal Drugs and Department of Pharmacognosy offer hands-on training programmes that constitute an important form of sustainable land management education: they teach communities and institutions how to **sustainably cultivate, harvest, standardise, and utilise medicinal plants** — a critical dimension of SDG 15.2.5 since medicinal plants occupy significant cultivated and wild land, and sustainable management of their land use is essential to both conservation and healthcare supply chains.

SUSTAINABLE AGRICULTURE TRAINING **14 February 2026**	**Hands-On Training: Phyto-pharmacy, Biotechnology, and Herbal Standardisation — Sona College of Arts and Science, Salem**
	TIFAC-CORE and Dept. of Pharmacognosy, JSSCPO **26 students from Sona College of Arts and Science, Salem (Tamil Nadu) — an entirely external, non-JSS institution**
	Content: Phyto-pharmacy: herbal drug formulation techniques; pharmacognostic evaluation; phytochemical screening. Biotechnology: plant tissue culture techniques; DNA barcoding for plant authentication; microbial contamination analysis. Herbal Standardisation: HPLC quality control; AYUSH guidelines; moisture content, ash values, extractive values determination
	Sustainable Land Management Dimension: Sustainable utilisation of medicinal plants through quality standardisation reduces adulteration and over-harvesting of wild plants; DNA barcoding authenticates cultivated vs. wild-harvested herbs; tissue culture provides sustainable cultivation alternatives to wild harvesting from land
	Dr. R. Rajesh Kumar (Pharmaceutical Biotechnology); Dr. R. Vadevelan (Pharmacology); TIFAC-CORE facilities

SUSTAINABLE AGRICULTURE TRAINING **2–11 March 2026 (10 days)**	**Hands-On Training: Physicochemical and Phytochemical Analysis — JSS Ayurveda Medical College PG Students**
	TIFAC-CORE and Dept. of Pharmacognosy and Phytopharmacy, JSSCPO **2 faculty + 9 PG students from Dept. of PG Studies in Dravyaguna, JSS Ayurveda Medical College, Mysuru — practitioners of traditional medicine prescribing plant-based drugs**
	Content: Physicochemical analyses: moisture content; ash values; extractive values; quality control parameters for herbal medicines. Preliminary phytochemical screening: identification of

	phytoconstituents in medicinal plants. Laboratory demonstrations; data interpretation; standard operating procedures for herbal drug research
	Sustainable Land Management Dimension: Ayurveda practitioners who know how to standardise herbal drugs will source sustainably cultivated, authenticated plant material rather than wild-harvested herbs — directly reduces pressure on wild land ecosystems; builds capacity for sustainable medicinal plant agriculture
	JSS Ayurveda Medical College, Mysuru; Dept. of PG Studies in Dravyaguna; 10-day intensive programme

JSSCPO TIFAC-CORE Herbal Standardisation Training — 26 Sona College Students (Salem, Tamil Nadu): DNA Barcoding, HPLC, Tissue Culture — Sustainable Medicinal Plant Land Use Science (14 Feb 2026)

Sona College training: phytochemical screening (sustainability of plant compounds under different harvesting conditions); tissue culture (alternative to wild harvesting from natural land); DNA barcoding (authenticates correctly-sourced vs. adulterated plant material); AYUSH compliance for sustainable commercial cultivation

TIFAC-CORE + JSS Ayurveda Medical College PG Training — 11 Ayurveda Students: Physicochemical Analysis, Phytochemical Screening — Sustainable Harvesting of Medicinal Plants for Dravyaguna Practice (2–11 Mar 2026)

JSSAMC Dravyaguna: Ayurveda practitioners learn to prescribe sustainably cultivated herbs; ash value/moisture content testing ensures quality from agricultural land (not over-processed); TIFAC-CORE knowledge transfer builds sustainable herbal land management capacity in traditional medicine communities

7. CAMPUS DEMONSTRATION MODELS — LIVE CLASSROOMS FOR SUSTAINABLE LAND MANAGEMENT

The SDG 2.5.1 source document explicitly describes JSS AHER's campus infrastructure as educational: ***"These models act as live classrooms for farmers and community members."*** The campus demonstration models are themselves educational outreach tools for sustainable land management:

Campus Model	Location	Sustainable Land Management Education Content	Community Audience
Organic kitchen garden (hostel campus model)	JSSMC campus, Mysuru	Chemical-free vegetable cultivation; composting; natural pest management; biodiversity through multi-crop cultivation; zero external input farming; soil health maintenance through diversity	Students (future community healthcare professionals) + hostel staff cooks (documented as teaching farmers and sharing knowledge with rural background)
Biogas plant (300 kg/day) with organic manure output	JSSMC campus, Mysuru	Food waste → clean energy + organic fertiliser (biogas slurry); demonstration that agricultural and food waste can restore soil health; closed-loop sustainable land management model; replaces chemical fertiliser on campus greenery	Farmers visiting KVK (adjacent Suttur campus); community members; students; "biogas plants at JSS campuses also serve as demonstration units educating farmers on converting food waste into clean energy and organic fertilizer"

Vermicompost production	JSS KVK campus + farmer technology transfer	Earthworm-based organic compost production; soil biological activity restoration; earthworm ecosystem support; practical demonstration of converting agricultural waste to soil amendment	Farmers participating in KVK training programmes; progressive farmers Krishnegowda (Varakhodu) practising vermicompost on own farm after technology transfer from KVK
Medicinal plant garden (multiple campuses)	JSSDCH, JSSCPM, JSSCPO, JSSMC	Sustainable cultivation of medicinal plants; eco-friendly practices; biodiversity in agricultural plots; conservation-through-cultivation model; traditional knowledge preservation in living garden form	Community visitors; healthcare professionals at JSS Urban Health Centre; pharmacy students who then serve communities
Model Pulse Villages (3 villages)	Surrounding Suttur/Nanjangud area	LBG 791 improved pulse variety + Rhizobium + PSB + Trichoderma package; soil nitrogen restoration through legume cultivation; sustainable intensification of pulse production on agricultural land	275+ farmers in model villages + 80+ SC/ST farmers at Akkur village; each model village becomes a living demonstration of sustainable pulse land management

8. MASTER EVIDENCE TABLE — INDICATOR 15.2.5

Programme	Date	Audience	Sustainable Land Mgmt Content	Formal Response	Scale / Evidence
Vikasit Krishi Sankalp Abhiyan (VKSA)	29 May–12 Jun 2025	34,669 farmers; 131 villages; Mysuru district	Soil health, natural farming, bio-fertilisers, crop diversification, integrated farming, water management, agri-enterprise	Yes — documented in SDG 2.5.1 source; JSS KVK SDG evidence	34,669 farmers; 131 villages; 15 days; ICAR nation programme
Five-Day Organic Farming Skills Training	18–22 Nov 2025	42 farmers (6/taluk of Mysuru district)	Organic principles, soil/water management, seed conservation, Panchagavya/Jeevamrutha, natural pest management, marketing	Yes — SDG 2.5.1 PDF detailed documentation	42 farmers; 5 day ATMA Yojana + Dept. Agriculture Mysuru
Five-Day Natural Farming Training — CRPs (NMNF)	16–20 Sep 2025	38 CRPs from multiple taluks	Natural farming inputs; intercropping; soil management; indigenous cattle; Beejamruta; marketing natural produce; KVK = District Training Centre for NMNF	Yes — SDG 2.5.1 PDF; KVK = NMNF District Training Centre	38 CRPs → knowledge multipliers for 10 farmers each
Five-Day Natural Farming — Krishi Sakhis (NMNF)	17 Sep 2025	40 Krishi Sakhis (Nanjangud, T. Narasipura, K.R. Nagar, Saligrama, Mysuru taluks)	Step-by-step natural farming adoption; Beejamruta; chemical reduction; field implementation guidance	Yes — SDG 2.5.1 PDF	40 Krishi Sakhis → community farm-level implementation
Five-Day Mushroom Farming and Value Addition	25 Nov 2025	42 farmers/farm women	Mushroom varieties; environmental cultivation conditions; value addition;	Yes — SDG 2.5.1 PDF	42 farmers; in collaboration wit ATMA, Agricultur Dept., ICAR Mysu

			supplementary enterprise from agricultural land		
Five-Day Agricultural Machinery Repair Training	11–21 Nov 2025 (two batches)	42 farmers per batch	Machinery repair; mechanisation; timely field operations for sustainable land management; reduced dependency and costs	Yes — SDG 2.5.1 PDF	42 farmers/batch 2 batches; VC Far Mandya field visit
Legumes Technology Day + PM Dhan-Dhaanya Yojana	11 Oct 2025	250+ farmers + 89 JSS women students	Soil nitrogen fixation through pulses; climate-resilient rainfed land management; LBG 791 seed; value addition	Yes — SDG 2.5.1 PDF	250+ farmers; 89 girl students (JSS Women's College Kollegal)
World Coconut Day + farmer-scientist interaction	4 Sep 2025	150+ farmers + IAT + NBAIR scientists	Integrated coconut agroforestry; biological pest management; intercropping; water management; nursery	Yes — SDG 2.5.1 PDF	150+ farmers; NBAIR Bengaluru (drone demonstration)
National Horticulture Day + Beekeeping Training	8 Aug 2025	70+ farmers	Horticulture in sustainable farming; mango, litchi; beekeeping for pollination; honeybee decline from chemicals	Yes — SDG 2.5.1 PDF	70+ farmers; KVK Beekeeping Lab demonstration
CCINM Certificate Course (3 batches)	Aug–Oct 2025	90 cooperative staff (Chamarajanagara + Mysuru)	Soil health, bio-fertilisers, crop diversification, soil testing — trained as extension agents for sustainable land management	Yes — SDG 2.5.1 PDF; UAS Bengaluru Director of Extension keynote	90 cooperative staff; 3 batches; Certificate distribution 26 Ju 2025
Sheep and Goat Rearing Training	4 Jul 2025	70+ livestock farmers	Integrated crop-livestock land management; organic manure from livestock; fodder management; antibiotics reduction	Yes — SDG 2.5.1 PDF	70+ farmers; Centre of Excellence Anima Husbandry (Govt. India)
Women Value Addition Vocational Training (JSS Jana Shikshana Sansthan + KVK)	Sep 2025	35+ women farmers and SHG members	Value addition from agricultural land produce; ragi/millet products; PMFME scheme; enterprise from sustainable agriculture	Yes — SDG 2.5.1 PDF	35+ women; Someshwarapur village; Ministry o Skill Developmen
JSSCPO TIFAC-CORE Training — Sona College, Salem	14 Feb 2026	26 external students (Sona College, Tamil Nadu)	Sustainable medicinal plant harvesting; tissue culture as alternative to wild-harvesting; DNA barcoding; AYUSH-compliant herbal agriculture	Yes — JSSCPO SDG 15.2.5 formal section	26 students; phytopharmacy, biotechnology, herbal standardisation
JSSCPO TIFAC-CORE Training — JSS Ayurveda Medical College	2–11 Mar 2026	11 PG students + 2 faculty (Dravyaguna, JSSAMC)	Sustainable medicinal plant quality assessment; authentication reduces over-harvesting; builds capacity for sustainable herbal land management in Ayurveda	Yes — JSSCPO SDG 15.2.5 formal section	11 PG students; 1 day intensive; Dravyaguna (traditional medicine)

All evidence:
JSSAHER and Jan Shikshan Sansthan (JSS)

In addition to the agricultural initiatives, JSSAHER University and Jan Shikshan Sansthan (JSS) work collaboratively to support skill development in rural and urban areas. While JSSAHER promotes sustainable agriculture and food security knowledge, JSS focuses on skill upgradation in diverse vocations for economically and educationally disadvantaged groups. This alignment enhances community capabilities, fostering economic resilience and sustainable livelihoods in both agricultural and non-agricultural sectors.

Five-Day Mushroom Farming and Value Addition Train-ing Held at ICAR JSS KVK, Suttur

Suttur, November 25, 2025: A five-day Mushroom Farming and Value Addition Training Pro-gramme was organised at ICAR JSS Krishi Vigyan Kendra, Suttur, in collaboration with the Ag-ricultural Technician Management Institute of the Department of Agriculture, ICAR, Mysuru.

Dr. N. N. Asha, Assistant Professor, University of Agricultural Sciences, Mandya, who arrived as the chief guest for the programme, provided detailed information on different varieties of mush-rooms and the environmental conditions required for successful cultivation, including tempera-ture, humidity, moisture and hygiene.

Addressing the participants, Smt. Lalitha, a progressive farmer, said that mushroom cultivation has emerged as an industry in recent times and is a good income-generating activity for rural communities. She added that both urban and rural women and youth can enhance their additional income by cultivating mushrooms in their spare time.

Presiding over the programme, Dr. B. N. Gyanesh, Senior Scientist and Head, JSS KVK, called upon farmers and farm women to adopt mushroom production as a supplementary enterprise alongside their regular agricultural activities. He stressed the importance of taking value addition training from skilled experts to add value to mushrooms and pointed out that good profits can be achieved through this.

Dr. Deepak extended a warm welcome, Dr. Y. P. Prasad delivered the keynote address, and Mr. Shamraj proposed the vote of thanks.

A total of 42 farmers and farm women from various taluks of Mysuru district participated in this five-day training programme.



Five-Day Agricultural Technician & Machinery Repair Training Concludes at ICAR JSS KVK, Suttur

Suttur, November 21, 2025: A five-day Agricultural Technician and Agricultural Machinery Repair Skill Training program, organised by ICAR JSS Krishi Vigyan Kendra, Suttur, in collaboration with the ATMA Project, Agriculture Department, Mysuru, and VC Farm, Mandya, concluded successfully today. The training was held from 17 to 21 November 2025 at the ICAR JSS KVK campus.

Addressing the valedictory programme, Dr. B. S. Basavaraju, Joint Research Director, University of Agricultural Sciences, Mandya, highlighted the growing shortage of labour in the agricultural sector

and emphasised that researchers have developed various farm machinery to support farmers. He urged farmers to adopt these technologies to improve productivity and maximise benefits.
Shri N. M. Shivashankarappa, Director of Rural Development, JSS Mahavidyapeetha, Mysuru, said the training was designed to empower farmers to use and repair agricultural machinery independently, and expressed satisfaction that the participants had made good use of the opportunity.
Presiding over the event, Dr. B. N. Gnanesh, Senior Scientist and Head, JSS KVK, advised farmers not to depend on a single crop but to embrace a holistic farming system. He stressed the importance of both effective utilisation and timely repair of agricultural machinery, and encouraged participants to share their newly acquired skills with fellow farmers in their respective areas.
Trainer Smt. Sridevi, Professor, University of Agricultural Sciences, Mandya, also participated in the programme.
Farmers Shri H. D. Ramesh, Shri Shafiullah, and Shri Girish shared their experiences and impressions of the five-day training.
The event was attended by Shri S. J. Hemanth, Assistant Technical Manager, Agriculture Department, Mysuru; Smt. H. V. Divya; and Dr. Deepak. A total of 42 farmers from various taluks of Mysuru district benefited from this specialised training programme.



Live Telecast of PM Kisan Samman Nidhi and Agricultur-al Equipment Repair Training Held at JSS KVK, Suttur

Suttur, November 20, 2025: The ICAR JSS Krishi Vigyan Kendra (KVK), Suttur, organized a special programme featuring the live telecast of Prime Minister Shri Narendra Modi's address on the occasion of transferring ₹18,000 crore to farmers as the first instalment under the PM Kisan Samman Nidhi Scheme, along with the inauguration of the South India Organic Farming Sum-mit–2025, at its premises.
In his introductory address, Dr. B. N. Gnanesh, Head and Senior Scientist, JSS KVK, explained that PM Kisan Samman Nidhi is a Government of India scheme under which an amount of ₹6,000 per year is provided to eligible farmers as minimum annual income support. He informed that this scheme was first introduced in Telangana as the 'Raitha Bandhu Yojana' and was later extended across the country by the Ministry of Agriculture and Farmers Welfare on February 1, 2019. To avail the benefits provided by the Agriculture Department, beneficiary farmers must ob-tain Farmer Identity Cards and link them with their Aadhaar card and bank account. He further emphasized that the amount received under PM Kisan Samman Nidhi should not be diverted for other purposes and must be utilized only for agricultural activities.
As part of the programme, a practical demonstration on agricultural equipment repair was con-ducted by Shri Arun and Shri Shafiulla from SLN Agritech, Mysuru, and representatives from Maruti Krishi Udyog Samsthe, Nelamangala. Shri Chandru and Shri H. D. Ramesh were also pre-sent on the occasion.

Progressive farmer Shri Mahadevu of Kikkeri Village, Hanagodu Hobli, who has been inde-pendently carrying out agricultural implements repair work for the last 10 years, and Shri Manju, a progressive farmer as well as mushroom and sericulture farming expert from Saraguru Village, Biligere Hobli, were felicitated during the programme.

More than 200 farmers, both men and women, along with the staff of JSS KVK, actively partici-pated in the event.



Five-Day Training on Agricultural Technology and Equipment Repair Held at ICAR JSS KVK, Suttur

Suttur, November 19, 2025: The ICAR JSS Krishi Vigyan Kendra (KVK), Suttur, in association with the ATMA Program, Department of Agriculture, Mysuru, and VC Farm, Mandya, organized a five-day training programme for farmers on agricultural technologies and agricultural equipment repair skills at JSS KVK, Suttur, from November 11, 2025.

The programme was inaugurated by Dr. Sridevi, Professor, Agriculture University, Mandya. In her address, she called upon farmers to develop skills to repair their own agricultural equipment. She noted that this programme, jointly organized by ICAR JSS KVK, the Agriculture Department and the Agriculture University, Mandya, is an important first step towards imparting agricultural equipment repair skills, and informed that participants would also be taken to VC Farm, Mandya, for practical training.

In his address, chief guest Shri Raghuveer, Agriculture Officer, advised participants to share the skills they acquire here with fellow farmers in their villages. He also provided complete information about the subsidies available from the Agriculture Department for purchasing agricultural equipment.

Presiding over the programme, Dr. B. N. Gnanesh, Head and Senior Scientist, JSS KVK, Suttur, observed that at present farmers need to visit their nearest taluk headquarters to get their agricultural equipment repaired, which involves both time and high expenses. This training programme has been organized to help farmers undertake repairs in their own villages, thereby saving both time and money. He urged all participants to make the best use of this opportunity.

A total of 42 farmers from various taluks of Mysuru district are participating in this five-day training programme. The training is being supervised by Smt. H. V. Divya, Subject Expert, JSS KVK, and Shri Gangappa Hipparagi, Manager, VC Farm, Mandya.



Five-Day Organic Farming Skills Training Held at ICAR JSS Krishi Vigyan Kendra, Suttur

Suttur, November 18, 2025: ICAR JSS Krishi Vigyan Kendra, Suttur, in collaboration with ATMA Yojana, Department of Agriculture, Mysuru, organized a five-day Organic Farming Skills Training programme at the ICAR JSS Krishi Vigyan Kendra campus in Suttur.

The programme was inaugurated by Shri Satish, Deputy Project Director, ATMA Yojana, Department of Agriculture, Mysuru. The event was presided over by Dr. B. N. Gyanesh, Senior Scientist, ICAR JSS Krishi Vigyan Kendra, who highlighted the growing demand for organic farming products and urged farmers and farm women to adopt organic farming systems and achieve success in this sector.

During the five-day training, participants were introduced to the concept of organic farming, its importance, core principles, recommended practices, and the standards to be followed. Sessions also covered soil, plant health and water management, and their relationship with human health. Detailed information was provided on seed conservation in organic farming, seed production, animal

husbandry in organic systems, organic farming techniques, and organic pest and disease management. The programme also included guidance on marketing and value addition of organic farming produce.
As part of the practical exposure, the farmers visited the fields of Sri Prabhuswamy, an organic progressive farmer from Suralli village, Nanjangud taluk, and Sri Prithviraj Chauhan, a progressive natural farmer from Varakodu village, Mysuru taluk. During these visits, they were given hands-on information on the preparation and use of Panchagavya, Jeevamrutha, Brahmastra and Agni Astra, which are widely used in natural farming.
A total of 42 male and female farmers, including six farmers/farm women from each taluk, participated in the programme and acquired technical knowledge and practical skills related to organic farming. The training was supervised by subject experts of Krishi Vigyan Kendra, with Sri Shamaraj and Dr.



Legumes Tech & Value-Addition Training Held at ICAR JSS KVK, Suttur; Live Telecast of PM's 'PM Dhan-Dhaanya Krishi Yojana' & 'Mission for Aatmanirbharta in Pulses'

Suttur, October 11, 2025: ICAR JSS Krishi Vigyan Kendra (KVK), Suttur, in association with the Department of Agriculture, organized a one-day "Legumes Agricultural Technologies and Value-Addition Training" along with the live telecast of the Prime Minister's launch of Pradhan Mantri Dhan-Dhaanya Krishi Yojana and the Mission for Aatmanirbharta in Pulses (Pulses Self-Reliance Mission) at its campus on Saturday.
The program was attended by Shri Ravi, Assistant Director, Agriculture Department, Nanjangud Taluk; Shri Nanjundaswamy, President, Biligere GP; progressive farmers Smt. Shylaja, Shri Ratnashekar, and Shri S. Shantamurthy; and Dr. B. N. Gnanesh, Senior Scientist & Head, JSS KVK. Dr. Y. P. Prasad anchored the proceedings, Dr. G. M. Vinay delivered the welcome address, and Shamraj proposed the vote of thanks. More than 250 farmers (men and women) participated, along with 89 girl students from JSS Women's College, Kollegal.
Speaking on local agronomic priorities, Shri Ravi noted that the importance of legumes has declined in Nanjangud and T. Narasipura taluks because cereal crops are cultivated in both seasons. He urged farmers to reintroduce legumes particularly in rainfed fields and in areas with pumpsets, highlighting that legumes enhance soil fertility and are protein-rich, and encouraged farmers to increase dietary intake of pulses.
Dr. P. Mahadevu, Assistant Director (Research), University of Agricultural Sciences, Mandya, called on farmers to think like entrepreneurs—to focus on soil health, grow high-quality crops aligned to market demand, and pursue value-addition to realize better profits.
Presiding over the event, Dr. B. N. Gnanesh emphasized that the Government of India's Mission for Aatmanirbharta in Pulses (2025–31) aims to increase indigenous production of pulses, reduce import dependence, raise farm incomes, and save foreign exchange. The Union Cabinet has approved the Mission for six years (2025-26 to 2030-31) with a financial outlay of `11,440 crore, with priorities that include climate-resilient practices, improving soil health, and productive use of wastelands; he encouraged phased adoption of organic methods.
In the technical session, Smt. H. V. Divya briefed farmers on selecting suitable pulse varieties, seed treatment, best-practice cultivation techniques, and value-addition opportunities. Progressive farmers Shri Ratnashekar, Shri Shantamurthy, and Smt. Shylaja also shared field experiences and practical tips with attendees.



[Five-Day Natural Farming Training Program for CRPs Organized under NMNF Scheme at JSS KVK Suttur]

Suttur, September 20, 2025: A five-day Natural Farming Training Program for Community Resource Persons (CRPs) and Krishi Sakhis was organized from September 16 to 20, to September 20, 2025 at ICAR JSS Krishi Vigyan Kendra (KVK), Suttur, in collaboration with the Department of Agriculture, Mysuru, under the National Mission on Natural Farming (NMNF) Scheme.

The training was inaugurated in the presence of experts and practitioners who guided the participants on various aspects of natural farming. Shri Satish, Deputy Director of Agriculture, Mysuru and Nodal Officer of the NMNF Scheme, explained how Krishi Sakhis should implement natural farming in farmers' fields and effectively work under the scheme. Dr. G. M. Vinay of JSS KVK elaborated on the principles of natural farming, its relevance in the present-day agricultural scenario, preparation of tools, crops suitable for natural farming, intercropping, and horticultural crops.

Dr. Gyanesh, Senior Scientist and Head of KVK, spoke on the importance of soil and its management, while Mr. Shamraju, Agronomist from KVK, delivered a session on soil management, cropping systems, integrated farming systems, and the steps to be taken from sowing to harvesting. Mrs. Divya, discussed the role of Beejamruta in natural farming and the importance of seed production.

Farmer Master Trainer Mr. Prithviraj conducted a live demonstration on his farm covering intercropping practices in coconut, natural rice cultivation, and preparation of formulations such as Jeevamruta, Beejamruta, and Brahmastra. Dr. Rakshitraj of KVK highlighted the importance of cattle in natural farming and the management of indigenous breeds, while Dr. Basavanagouda, Horticultural Scientist from Taralabalu KVK, Davanagere, explained the role of horticultural crops in natural farming and how farmers are achieving good yields by adopting these practices. Dr. Deepak addressed value addition and marketing of naturally grown crops, followed by Dr. Prasad Y.P. who gave insights on pest and disease management in natural farming. Experienced natural farmer Mr. Shivakumaraswamy

from Heggavadipur in Chamarajanagar district shared his expertise on horticultural crops suited for natural farming, different methods of preparing Jeevamruta, cultivation of fruit crops requiring less water, and chemical-free cultivation and marketing techniques.

At the valedictory session, the Nodal Officers of the NMNF Scheme, who participated as chief guests, commended the ICAR JSS KVK for providing extensive knowledge and urged the CRPs to extend their support to farmers in adopting natural farming practices.

Presiding over the program, Dr. Gyanesh, Senior Scientist and Head, JSS KVK, congratulated the Mysuru Agriculture Department and the CRPs for their active participation and successful completion of the program.

Certificates were distributed to all the participants. In total, 38 CRPs took part in the five-day training and greatly benefited from the sessions.





Two-Month Food Value Addition Vocational Training Program Inaugurated at Someshwarapur

Suttur, September 15, 2025: A two-month Food Value Addition Vocational Training Program was inaugurated on Monday at Someshwarapur village, Mysuru taluk, in collaboration with ICAR JSS Krishi Vigyan Kendra (KVK), Suttur and JSS Jana Shikshana Sansthan, Mysuru, under the scheme of the Ministry of Skill Development and Entrepreneurship, Government of India.

The program was presided over and inaugurated by Smt. Leela Shivakumar, Vice President of JSS Jana Shikshana Sansthan, who encouraged women to actively participate in vocational training and aspire to become entrepreneurs. She further motivated them to achieve self-reliance by learning diverse skills such as bag making, tailoring, beautician training, and other vocational trades.

Addressing the gathering, Mr. Ramesh, Director of JSS Janashikshana Sansthan, emphasized that value addition in food products can enhance women's income. He explained that the current training program under skill development and entrepreneurship initiatives will help women gain knowledge and confidence to start their own enterprises. Through the training, participants will learn to prepare spice powders, pickles, sambar pudi, rasam pudi, and different varieties of happala (papads).

Dr. Deepak, Home Scientist at ICAR JSS KVK Suttur, highlighted that this two-month training is especially beneficial for women farmers and members of self-help groups. He urged women to take full advantage of the program by preparing and marketing value-added products through their groups, thereby increasing household income. He also noted the growing demand for traditional foods in the market, explaining that the training will equip women to prepare ragi happala, cereal-based happala, sandige, spice powders, and pickles. He encouraged participants to become entrepreneurs by availing subsidies and support from the Central and State Governments under the Prime Minister's Small Food Processing Enterprises Regulatory Scheme (PM-SFME).

The program began with a welcome by Mrs. Saubhagya, Program Coordinator of JSS Jana Shikshana Sansthan, and concluded with a vote of thanks by Mrs. Roja.

More than 35 women and members of self-help groups from Mysore taluk participated in the training program and benefitted from it.



ICAR JSS KVK Suttur Conducts 5-Day Training for Krishi Sakhis under National Mission on Natural Farming

Suttur, 17 September 2025: ICAR JSS Krishi Vigyan Kendra (KVK), Suttur, in collaboration with the Department of Agriculture, Mysuru, organized a **five-day training program for** *Krishi Sakhis* under the Government of India's **National Mission on Natural Farming (NMNF)** scheme.

Inauguration & Guidance

The program was inaugurated by **Shri Ravi**, Assistant Director of Agriculture, **Nanjangud Taluk**. Addressing the *Krishi Sakhis*, he emphasized the importance of natural farming and **urged participants to fully utilize the five days** to learn the step-by-step process for adopting natural farming practices. He called on them to **share the learnings with other farmers** after the training and to **direct farmers to experts** at the Department of Agriculture or **ICAR JSS KVK, Suttur,** for further guidance.

Department Leadership & Implementation Focus

Shri. Satish, Deputy Director of Agriculture, Department of Agriculture, **Mysuru**, and **Nodal Officer, NMNF Project**, encouraged farmers to **absorb all inputs provided by KVK scientists** and to **commit to the successful implementation** of the Natural Farming Project across Mysore district.

KVK's Role & Mission Context

Presiding over the program, **Dr. Gyanesh B. N.**, Head, **Krishi Vigyan Kendra**, noted that the **Central Government launched NMNF** to promote natural farming in response to the **rising use of chemical inputs** in agriculture. He highlighted that **KVK Suttur has been selected as the district training center** for effective implementation and **called for optimal use of the expert-led sessions** delivered at the center.

Training Objectives & Scale

Setting the context in his introductory remarks, **Dr. Vinay G. M.**, Horticulturist, **KVK**, explained that the **core objective** is to **reduce chemical usage** by adopting **naturally available inputs and tools**. To build confidence among farmers, **selected agricultural friends (***Krishi Sakhis***) are being trained first**. He added that the project aims to **implement natural farming on approximately 1.5 lakh hectares across India**.

Farmer Perspective & Practice First

Mr. Prithviraj, a natural farmer from **Varakodu** village, urged participants to **first practice natural farming on their own fields** and then **motivate and guide fellow farmers** based on hands-on experience.

Program Conduct & Participation

Mr. Shamraj, the **lead trainer** for KVK's natural farming program, **presented the training plan**. **Dr. Rakshitraj** delivered the **welcome address**, and **Dr. Deepak** proposed the **vote of thanks**. **Mrs. H. V. Divya** and the **KVK staff** were present.

Approximately **40 Krishi Sakhis** from the taluks of **Nanjangud, T. Narasipura, K. R. Nagar, Saligrama, and Mysuru** participated in the training.



ICAR JSS KVK Suttur Hosts Training on Value Addition & Entrepreneurship for Women Farmers under TSP and PMFME

Suttur, September 10, 2025: The ICAR JSS Krishi Vigyan Kendra (KVK), Suttur, in association with ODP, Mysuru and the Chandramouleshwara Women Producers Society, Madapura (H.D. Kote Taluk), organised a training programme for women farmers on processing of agricultural crops, value addition, and entrepreneurial opportunities under the TSP (Tribal Sub Plan) scheme, Govt. of Karnataka, and the PMFME (Prime Minister's Micro Food Processing Enterprises) scheme, Govt. of India.

The programme was inaugurated by Dr. B. N. Gnanesh, Senior Scientist and Head, ICAR JSS KVK, Suttur. In his address, he urged women farmers to cultivate an entrepreneurial mindset, prioritise value addition in agricultural and horticultural produce, make effective use of State and Central government schemes, and work towards doubling their income.

Chief guest Smt. Lalitha, Programme Coordinator, ODP, Mysuru, congratulated ICAR JSS KVK for organising training and awareness programmes on processing of food articles from agriculture and horticulture. She encouraged participants to utilise such programmes fully, spread awareness among other farmers, and enhance profits and enterprises through collective effort.

Another chief guest, Smt. Lavanya, CEO, Chandramouleshwara Women Producers Society, Madapura, emphasised that self-reliance for women is best achieved through entrepreneurship.

Dr. Deepak, Home Science Subject Expert, ICAR JSS KVK, delivered a technical session on preparing a wide range of products, including millet cookies, bread, buns, pasta, noodles, and other bakery items, as well as traditional products such as ragi papad, millets malt, ragi unde, ragi mixture, sandige, and more. He also provided comprehensive information on subsidies available from the State and Central governments under the PMFME scheme, and outlined the types of food processing units that can be established under this programme.

A live demonstration on the preparation and value addition of products like ragi cookies, ragi mixture, and ragi papad was conducted.

The programme began with a welcome address by Dr. Vinay G. M. It was anchored by Smt. Divya H. V., and concluded with a vote of thanks by Dr. Prasad Y. P. More than 35 women farmers and Self-Help Group (SHG) members participated and benefited from the training.



World Coconut Day marked at ICAR JSS KVK, Suttur with training, farmer–scientist interaction and drone demo

Suttur, September 4, 2025: Suttur, Mysuru (Karnataka) — On World Coconut Day, ICAR JSS Krishi Vigyan Kendra (KVK), Suttur—along with the Institute of Agricultural Technologists (IAT), Mysore Unit; ICAR–National Bureau of Agricultural Pest Resources (NBAIR), Bengaluru; and Shobhit Nanjegowda Farm, Kennalu—jointly organized a day-long programme themed "Let's spread the power of coconut to the world." The event featured training on improved coconut cultivation practices and a farmer–scientist interaction at ICAR JSS KVK, Suttur.

The programme was inaugurated by Shri N. M. Shivashankarappa, Director of Horticulture, JSS Mahavidyapeetha, with a ceremonial watering of a coconut sapling.

Addressing the gathering, Dr. K. R. Ravindra, Secretary, IAT (Mysore Unit) and retired Assistant Director of Agriculture, delivered a keynote on the significance of World Coconut Day. He urged wider outreach on the importance and potential of coconut and introduced the working style of the Agricultural Technicians' Association. He welcomed participants and emphasized that adopting coconut in multi-cropping and integrated farming systems is more beneficial than cultivating it as a sole crop.

Dr. Gundappa, Senior Scientist, NBAIR, Bengaluru, highlighted NBAIR's ongoing work on the biological management of key coconut pests, including spiral whitefly and the blackhead worm—and noted that interested farmers would be trained in the production of predatory and parasitic organisms.

Presiding over the programme, Dr. B. N. Gyanesh, Senior Scientist & Head, ICAR JSS KVK, Suttur, described coconut as a mythological tree whose every part is useful. Observing the rise in coconut cultivation, he cautioned that farmers are often confused while selecting quality seedlings and face

non-availability issues. He provided guidance on selecting and raising good seedlings and explained how agricultural waste available in coconut plantations can be used to manage the plantation holistically.

Progressive farmer Basavanna of Ayarahalli shared the water-use technologies and other innovations he has implemented in his coconut garden and urged farmers to adopt scientific practices. Chandrashekhar of Shobhit Nanjegowda Farm encouraged farmers to set up coconut nurseries as a pathway to enterprise.

Dr. Vinay G. M., Horticultural Scientist, JSS Krishi Vigyan Kendra, Suttur, delivered technical sessions covering coconut varieties, plant production, integrated nutrient management, intercropping, and water management.

Dr. Selvarajan Kehiriya, Senior Scientist, NBAIR, Bengaluru, conducted a drone demonstration on spraying Iceria fumarosa for whitefly management in coconut.

In the subsequent farmer–scientist interaction, Dr. Ramegowda and Dr. Prasad Y. P. explained the symptoms and integrated management of major pests and diseases in coconut, including rhinoceros beetle, red snout beetle, nits, whitefly, sap-sucking disorders, fungal diseases, downy mildew, and other related problems.

The event saw active participation from scientists of the Agricultural Science Center, Mrs. Divya H. V., Shamraj, and other staff members—along with members of the Agricultural Technicians' Association, progressive farmers from Farmers' Associations, and over 150 farmers, including women farmers, who took part and benefited from the knowledge shared.





National Horticulture Day & Beekeeping Training Held at ICAR JSS KVK, Suttur

Suttur, August 8, 2025: ICAR JSS Krishi Vigyan Kendra (KVK), Suttur organized a National Horticulture Day and Beekeeping Training Programme today to mark the birth anniversary of Dr. M. H. Marigowda, widely regarded as the father of horticulture in India.

Opening the session, Dr. Vinay G. M. informed participants that August 8 is celebrated as Horticulture Day to honour Dr. Marigowda's vision, contributions, and achievements in the horticulture sector.

Inaugurating the programme, Dr. Boregowda, K.A.S. (Retd.), said Dr. Marigowda made horticulture his life's mission and, owing to his work, farmers now earn higher incomes from horticultural crops—so much so that Karnataka is known as a horticulture state. He urged farmers to adopt value addition for horticulture produce and to increase yields naturally by practicing beekeeping. He also encouraged them to share their experiences in cultivating mango, lakshmana fruit, litchi, and other new crops.

Presiding over the programme, Dr. B. N. Gnanesh, Senior Scientist & Head, JSS KVK, said the KVK conducts Horticulture Day training every year, which farmers actively attend and benefit from. Noting the recent decline in honeybee populations due to increased chemical use in agriculture, he advised farmers to cultivate honey (beekeeping) to enhance pollination and improve yields. Mr. Kashappa, District Manager, National Fertilizers Limited, attended as Guest.

Plant Protection Expert Dr. Y. P. Prasad emphasized that beekeeping is integral to agriculture: it boosts crop pollination and, when practiced as an enterprise or sideline, can deliver substantial returns.

Mr. Ravi, a progressive bee farmer and the resource person for the training, provided an overview covering: the history of honey, origins of beekeeping, information on honey bees, stinging bees and

stingless bees, other bee species, the work and roles of bees, and scientific methods of beekeeping. He also demonstrated experimental beekeeping and honey extraction at the Beekeeping Lab of the Agricultural Science Centre.
Subject matter experts Ms. Divya H. V., Mr. Shamraj, and Dr. Deepak from JSS KVK, staff members, and more than 70 farmers participated and benefited from the programme.






Workshop on Paddy Production Technologies and Live Telecast of 20th Instalment of PM Kisan Samman Nidhi Held at Suttur

Suttur, August 5, 2025: The **ICAR JSS Krishi Vigyan Kendra**, in association with the Department of Agriculture, organized a **workshop on "Paddy Production Technologies for Monsoon Crop"** and facilitated the **live telecast of the 20th instalment of the Prime Minister's Kisan Samman Nidhi scheme**.
Inaugurating the workshop, **Shri Ravi**, Assistant Director, Agriculture Department, emphasized the importance of acquiring scientific knowledge in farming. "Farmers often approach our offices only to avail subsidies on sowing seeds, but rarely seek information on crop technologies," he said. "Yield loss is often due to unscientific usage of chemical fertilizers. I urge farmers to consult experts from **ICAR JSS KVK** and officers from the Agriculture Department to avoid such losses," he added.
He further informed that the Department provides not just subsidized sowing seeds, but also **biofertilizers** and **agricultural implements on rental basis** at reduced rates. Farmers were encouraged to make full use of these facilities.
Progressive farmer Shri Gopal delivered an insightful talk on **black paddy varieties with medicinal value**, specifically *Kaljeera* and *Chakhao*. He also highlighted the **health benefits** and **growing market opportunities** for black rice.
Subject matter experts from JSS KVK — **Shri Shamraj, Smt. H.V. Divya, and Dr. Y.P. Prasad** — presented detailed information on:

- Mechanization in paddy cultivation
- Seedling production techniques
- Balanced usage of chemical fertilizers and barnyard manure
- Improved paddy varieties and seed production

- Seed treatment methods
- Common pests, diseases, and control measures

In his address, **Dr. Puneeth** from Ayurveda College, Mysuru, spoke on the **health impacts of excessive chemical fertilizer use**. He strongly advocated for a **shift toward organic farming** and explained how **many health issues can be managed using traditional household remedies**.
Presiding over the program, **Dr. B.N. Gnanesh**, Head of ICAR JSS Krishi Vigyan Kendra, encouraged farmers to **explore and adopt new paddy varieties available in the market**. He emphasized growing crops with **Geographical Indication (GI) tags**, which can significantly increase profitability. He also briefed the audience about the **benefits extended under the 20th instalment of PM Kisan Samman Nidhi** and various **government schemes introduced for the welfare and advancement of farmers**.
Shri Prabhuswamy, President of **Bharatiya Kisan Sangha (Nanjangud unit)**, also graced the occasion.
The event witnessed enthusiastic participation from **agriculture department officials, JSS KVK staff members, and a large number of men and women farmers**.



Seedball Distribution Programme Promotes Environmental Stewardship at Suttur

MLA and BJP State President Shri B.Y. Vijayendra inaugurates the Seedball Distribution Program at Suttur Srikshetra, organized by JSS Residential School in association with the Department of School Education and Literacy, Government of India, and ICAR JSS Krishi Vigyan Kendra. The event was held in the divine presence of His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji. Also seen in the picture are Shri Subbanna, Smt. Malavika Avinash, Dr. Shylendra Beladale, Shri Yaduveer Krishnadatta Chamaraja Wodeyar, and Shri T.S. Shrivatsa.

Suttur, July 19, 2025: "Conservation of the environment is the responsibility of each one of us," observed Shri B.Y. Vijayendra, State President of the Bharatiya Janata Party and MLA, while participating in the Seedball Distribution Programme held at the ICAR JSS Krishi Vigyan Kendra, Suttur. The event was organized by the Eco Club of JSS Free Residential School, Suttur, in line with the directions of the Department of School Education and Literacy, Government of India.
The programme was held in the divine presence of His Holiness Jagadguru Shri Shivarathri Deshikendra Mahaswamiji. Addressing the gathering, Shri Vijayendra emphasized the impact of unchecked environmental harm and rising global warming, noting that the entire human race is facing serious consequences. Urging students to reduce plastic usage and be conscious about environmental conservation, he stressed that planting trees should not be limited to Environment Day, but practiced throughout the year as a true gesture of respecting Mother Nature.
Delivering his blessings, His Holiness Jagadguru Shri Shivarathri Deshikendra Mahaswamiji said that a balanced environment is essential for the physical and mental well-being of all living beings. He remarked that access to clean air, water, and food is crucial to health, and that environmental imbalance leads to increasing dependence on medicines. Emphasizing the importance of fostering nature, he said that planting and protecting trees is the greatest gift one can offer to the country.
Member of Parliament Shri Yaduveer Krishnadatta Chamaraja Wodeyar expressed appreciation for the contributions of Suttur Math in the fields of education, health, anna dasoha, and environmental protection. He highlighted the role of tree planting in preventing natural disasters and shared his joy at participating in the programme on the birthday of Shri Jayachamarajendra Wodeyar. He also acknowledged the special bond between the Mysuru Palace and Suttur Math.
Shri T.S. Shrivatsa, MLA of Krishnaraja Assembly Constituency, noted with concern that the environment is being destroyed due to human greed, and forests are vanishing in the name of development, calling it a form of self-destruction. He appealed to everyone to protect nature and prevent irreversible damage.

Dr. Shylendra Beldale, MLA of Bidar; Shri Subbanna, President of the Mysuru Rural BJP unit; several officers from JSS Mahavidyapeetha; the Administrative Officer of JSS Educational Institution, Suttur; heads of various departments; staff members; and students also took part in the programme.

Renowned Kannada movie artist and advocate Smt. Malavika Avinash delivered the introductory address. The programme began with an invocation by the students, and symbolic seedball distribution was carried out during the event. Shri G. Shivaswamy welcomed the dignitaries and attendees, Kum. H.M. Savitha proposed the vote of thanks, and Shri S. Chandramouleshwara conducted the programme.



Seedball Distribution Program to be Held at JSS School, Suttur on July 18

Suttur, July 17, 2025: In a bid to foster environmental consciousness among students and support afforestation efforts, the Eco Club of the JSS Free Residential School, Suttur, in collaboration with ICAR JSS Krishi Vigyan Kendra, is organizing a Seedball Distribution Program on Friday, July 18, 2025, at 11:00 AM at the school premises.

The program is being conducted under the guidance of the Department of School Education and Literacy, Government of India, and will take place in the divine presence of His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji.

The event will witness the participation of distinguished guests including Shri Yaduveer Krishnadatta Chamaraja Wodeyar, Member of Parliament; Shri B.Y. Vijayendra, MLA and BJP State President; Shri C. Javagal Srinath, renowned cricketer; and Smt. Malavika Avinash, advocate and artist.

As part of the program, seedballs will be symbolically distributed to selected beneficiaries. The larger initiative involves sowing the seedballs in designated areas after receiving the necessary permissions from the Forest Department.

This initiative highlights the institution's ongoing commitment to sustainability and environmental stewardship.

Training on Sheep and Goat Rearing Conducted at JSS Krishi Vigyan Kendra, Suttur

Head, JSS KVK and Heads of various departments seen at the trianing program.

Suttur, July 04, 2025: The ICAR JSS Krishi Vigyan Kendra, Suttur, organized a three-day training programme on sheep and goat rearing to benefit livestock entrepreneurs and farmers from the region. The training was inaugurated by Dr. H. Teggi, Joint Commissioner, Centre of Excellence for Animal Husbandry (CEAH), Government of India, Hesaraghatta, Bengaluru. In his address, he emphasized the potential of animal husbandry as a daily income-generating profession and its critical role in promoting organic and natural farming. He encour-aged farmers to consider sheep farming and dairy as sustainable subsidiary income sources for achieving financial stability. Dr. Teggi also cautioned against the use of un-scientific antibiotics, noting the risks associated with the misuse of 4th and 5th genera-tion antibiotics, and advised farmers to consult veterinary experts before administer-ing any medication to livestock.

Presiding over the programme, Dr. B.N. Gnanesh, Senior Scientist and Head, JSS KVK, advised farmers to stay informed about market trends and to seek expert guidance be-fore initiating sheep or goat rearing. He stressed the importance of starting with breeds suited to local climatic conditions and recommended scaling up livestock numbers only after gaining adequate experience and confidence.

Dr. U.M. Rakshitraj, Veterinary Science Expert at JSS KVK, delivered the introductory note. Sri Shamraj of JSS KVK, Dr. Prasad, Dr. Deepak, and other staff members were also present during the training.

The programme witnessed participation from over 70 farmers, including men and women. Progressive farmers such as Sri Puttanna from Hulimavu village and Pavan and Yogesh from Kalkunda also took part in the training.

Certificate Distribution Program Held for CCINM Training Course at JSS Krishi Vigyan Kendra

Dr. Y.N. Shivalingaiah, Director of Extension, University of Agricultural Sciences, Bengaluru, inaugurates the Certificate Distribution Program of the CCINM course for staff members of Cooperative Societies from Chamarajanagara and Mysuru districts, held at ICAR JSS Krishi Vigyan

Kendra, Suttur. Also seen are Dr. R. Narayanareddy, Coordinating Officer, UAS Bengaluru & SAMETI (South), Smt. Jyothi Urs, Deputy Manager, Chamarajanagara District Cooperative Society, Dr. B.N. Gnanesh, Senior Scientist and Head, JSS KVK, Sri J.G. Rajanna, and KVK staff.

Suttur, June 26, 2025: The ICAR JSS Krishi Vigyan Kendra (KVK), in association with the National Agricultural Extension Management Institute, Hyderabad, the Bengaluru Chapter of the Staff Training Institute–SAMETI (South), and the Extension Directorate, University of Agricultural Sciences, jointly organized a Certificate Course in Nutrition Management (CCINM).

The training program was conducted in three batches at JSS KVK between August 2025 and October 2025, and trained a total of 90 participants. The Certificate Distribution Ceremony was held on June 26, 2025 at the JSS KVK campus.

Dr. Y.N. Shivalingaiah, Director of Extension, University of Agricultural Sciences, Bengaluru, inaugurated the program. In his keynote address, he urged the trainees to act as technical agents, equipping farmers with complete scientific and technical knowledge. He emphasized the importance of educating farmers on the use of nano fertilizers and water-soluble fertilizers, and recommended crop diversification during monsoons to protect soil health.

Dr. R. Narayanareddy, State Nodal Officer (Desi) and Coordinating Officer, University of Agricultural Sciences, Bengaluru, SAMETI (South), advised trained staff to function as part-time agricultural extension officers. He stressed the need to provide timely and accurate information to farmers regarding fertilizers and pesticides, which would help reduce overall production costs.

Smt. Jyothi Urs, Deputy Manager, Chamarajanagar District Cooperative Societies, in her address as Chief Guest, encouraged trainees to keep in regular contact with scientists to learn about new seed varieties and fertilizers, and to effectively communicate these advancements to farmers.

Presiding over the program, Dr. B.N. Gnanesh, Senior Scientist and Head, ICAR JSS KVK, highlighted the need to protect soil fertility as a foundation for sustainable farming. He encouraged the use of bio-fertilizers such as Rhizobium, Pseudomonas, and micro-nutrients, and advised farmers to conduct soil testing at least once every two years. He urged the trainees to share knowledge on soil health and the benefits of soil testing with fellow farmers and reminded them that JSS KVK scientists are always available for consultation.

The program was attended by all 90 trainees who had successfully completed the course. Sri J.G. Rajanna delivered the introductory note, Dr. Deepak welcomed the guests and audience, Sri Shamraju delivered the vote of thanks, and Dr. Y.P. Prasad served as the master of ceremonies.





[Vikasit Krishi Sankalp Abhiyan Concludes in Suttur with Outreach to Over 34,000 Farmers Across 131 Villages]

Suttur, June 13, 2025: The ICAR JSS Krishi Vigyan Kendra, in collaboration with agricultural scientists from various research institutes and officers from the Departments of Agriculture, Horticulture, Animal Husbandry, Fisheries, Panchayat Raj, along with representatives of NGOs and progressive farmers, successfully concluded the 15-day *Vikasit Krishi Sankalp Abhiyan* in Mysuru district. This national campaign, initiated by the Bhartiya Krishi Anusandhan Parishat, New Delhi, was held from May 29 to June 12, 2025.

The campaign was inaugurated on May 29, 2025, in the divine presence of His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji at Sri Sutturkshetra. Over the course of the program, field visits and awareness sessions were conducted in 131 villages, with 131 meetings organized to directly engage with a total of 34,669 farmers. These interactions provided vital insights and demonstrations on modern agricultural techniques and sustainable farming practices.

Farmers received detailed information on land preparation, seed selection, and the introduction of disease-resistant crop varieties, along with guidance on seed treatment procedures and the importance of soil testing. Emphasis was placed on nutrient application based on soil health, and farmers were educated on the use of bio-fertilizers like vermicompost, Trichoderma, and Pseudomonas. Practical knowledge was also shared on the preparation of Jeevamrutha, Beejamrutha, and Gokrupamrutha, horticulture techniques, nursery production, dairy farming, plant protection methods, value addition, and agri-based startups.

The valedictory event was held on June 12, 2025, at the Swami Vivekananda Youth Movement Training Center in Kenchanahalli village. Addressing the gathering, Dr. B.N. Gnanesh, Senior Scientist and Head of ICAR JSS Krishi Vigyan Kendra, stated that the farmers had gained a wealth of knowledge through the campaign. He assured the participants that the initiative would continue beyond the 15 days and encouraged them to approach the experts at JSS KVK for continued support.

Dr. Vinay G.M., Horticulture Expert, advised farmers on crucial monsoon precautions, stressing the importance of soil testing and demonstrating proper sampling methods. He guided them on crop selection, nutrient management based on soil results, and the use of organic and green manures such as cow dung, peat, and neem husk. He also introduced raised bed planting techniques and micronutrient spray applications to boost yields.

Dr. Prasad Y.P., Plant Protection Expert, shared integrated disease and pest management practices suitable for monsoon crops like maize, millet, rice, coconut, chillies, and cereals. He highlighted the use of biological pesticides, sticky traps, and attractants as effective eco-friendly solutions.

Speaking on animal health, Dr. Basavaraj Sajjanna from the Indian Veterinary Research Institute, Bengaluru, explained the symptoms and treatment of udder abscesses and sores in livestock. He emphasized the importance of proper barn management and informed farmers about various central government schemes supporting animal husbandry.

Agriculture Officer Jagannath from Saragur briefed farmers on the latest schemes offered by the Department of Agriculture. These included the Krishi Bhagya Yojana, agricultural wells, sprinkler irrigation, farm mechanization programs, the Karnataka Raitha Suraksha, Pradhan Mantri Fasal Bima Yojana, and the Natural Agriculture Scheme.

Presiding over the valedictory function, Dr. Dennis Chauhan, Director of the Socio-Economic Empowerment Program of the Swami Vivekananda Youth Movement, praised the outreach efforts of the scientists and the Krishi Vigyan Kendra. He urged farmers to make full use of the scientific expertise available to them and adopt informed, technology-driven farming methods by engaging actively with the experts.

During the campaign activities held in Ketupura village, Sosale hobli, T. Narasipura taluk, Dr. Shamaraja elaborated on integrated management techniques for coconut, horticultural crops, and rice, along with crop-specific pest control strategies. He encouraged farmers to visit the KVK to enhance their knowledge and adopt scientific practices for higher agricultural productivity.

Adding to the discussions, Dr. Shivaswamy from the Veterinary Research Institute, Bengaluru, shared information on improving milk quality, fodder management, mixed farming systems, and balanced feeding strategies. He also introduced various cattle breeds and government welfare schemes for livestock farmers.

Scientist Dr. Sabarinath advised farmers on livestock health and disease prevention, particularly the timely vaccination of calves against foot and mouth disease. He also covered prevention and care for lumpy disease, udder abscess, and hygienic practices before milking.

The campaign saw the participation of Swami Vivekananda Youth Movement officers, farmer leaders, and numerous progressive farmers, who contributed to making the initiative impactful and far-reaching. The *Vikasit Krishi Sankalp Abhiyan* concluded on a high note, leaving farmers empowered with scientific knowledge and renewed motivation to adopt sustainable and profitable agricultural practices.

Vikasit Krishi Sankalp Abhiyan Covers 122 Villages, Benefits Over 30,000 Farmers in Mysuru District

Dr. K.H. Ravi, Joint Director, Agriculture Department inaugurating the District-level Vikasit Krishi Sankalp Abhiyan program, at JSS Sabha Bhavana, in T. Narasipura. (From left to right) Progressive

farmers Sri Shivamallappa, Dr. B.N. Gnanesh, Senior Scientist and Head, ICAR JSS KVK, Dr. Nagaraju, Deputy Director, Department of Animal Husbandry and Veterinary Services, Sri Manjunath Angadi, Deputy Director, Horticulture Department, Mysuru, Dr. Kajal Shankaroy, Senior Scientist, ICAR NIAPN Institute, Sri Kurubur Siddesh and Smt. Mahadevamma are seen in the picture.

Suttur, June 12, 2025: The **Vikasit Krishi Sankalp Abhiyan**, organized by the **ICAR JSS Krishi Vigyan Kendra (KVK)** in association with the **Agriculture Department** and other allied departments of Mysuru, was held at the **JSS Sabha Bhavan in T. Narasipura** on June 11, 2025.

In his introductory remarks, **Dr. B.N. Gnanesh**, Senior Scientist and Head of JSS KVK, informed the gathering that the campaign commenced on **May 29, 2025**, with the blessings of **His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji**. Since its inception, the Abhiyan has covered **122 villages** and conducted **366 meetings**, directly benefitting **30,204 farmers**. The campaign aims to disseminate information about modern agricultural technologies and ongoing research in laboratories, thereby increasing awareness among farmers regarding **advanced techniques** and **new seed varieties** in various crops.

Dr. Gnanesh further noted that **agriculture scientists from research institutes**, officials from the **Departments of Agriculture, Horticulture, Animal Husbandry, and Fisheries**, representatives from the **Panchayat Raj Department**, **NGOs**, and several **progressive farmers** have extended their support and participated in the program.

Presiding over the event, **Dr. K.H. Ravi**, Joint Director, Agriculture Department, emphasized the urgent need to address **soil health**, stating that **52.07% of the soil in Mysuru district is unhealthy**, with only **48% considered healthy**. He advised farmers to undertake timely **soil health assessments** and adopt measures to improve soil quality. He also highlighted various **government insurance schemes** and urged farmers to utilize these benefits.

Sri Manjunath Angadi, Deputy Director, Horticulture Department, served as the Chief Guest. He elaborated on the core objectives of the Vikasit Krishi Sankalp Abhiyan and how various allied departments are collaborating to ensure its success. He encouraged farmers to take advantage of the **loan facilities and schemes** available through the Horticulture Department.

Dr. Nagaraju, Deputy Director, Department of Animal Husbandry and Veterinary Services, spoke about the **13-day district-wide campaign**, wherein a team of experts from multiple departments, along with JSS KVK officials, is sharing crucial insights with farmers on **crop and livestock diseases**.

Dr. M.J. Chandregowda, Principal Scientist at **ICAR–Indian Veterinary Research Institute (IVRI), Bengaluru**, participated as a special invitee. He stressed that **agriculture is the backbone of India**, and true national empowerment can only be achieved by empowering farmers. He noted that India continues to depend on other nations for several agricultural products, and there is an urgent need to strive for **self-sufficiency** in agriculture. He advised farmers to conduct **soil testing at least once a year** and apply nutrients accordingly.

Dr. Kajal Shankaroy, Senior Scientist at **ICAR-National Animal Nutrition Institute (NAINP), Bengaluru**, shared her experiences from the field visits conducted during the Abhiyan. She remarked that interactions with farmers in their villages provided valuable insights into the **real-world impact** of ongoing research, which would motivate researchers to enhance their efforts further.

Progressive farmers such as **Sri Kurubur Siddesh, Smt. Mahadevamma, and Sri Shivamallappa** were present on the dais. **Kirgasuru Sri Shankar** raised several farmer-related issues during the interactive session with departmental officials. An **agricultural implements exhibition** was also organized as part of the event.

Staff members from **JSS KVK**, officials from the **agriculture, horticulture, animal husbandry, and veterinary departments**, and more than **600 farmers**, including **Krishi Sakhis and Pashu Sakhis**, actively participated in the program.

Dr. B.N. Gnanesh extended a warm welcome, **Dr. G.M. Vinay** proposed the vote of thanks, and **Dr. Y.P. Prasad** served as the master of ceremonies.





Vikasit Krishi Sankalp Abhiyan: Awareness Drive on Agriculture and Allied Department Schemes Benefits Over 1000 Farmers

Suttur, June 11, 2025: On the 13th day of the Vikasit Krishi Sankalp Abhiyan, the ICAR JSS Krishi Vigyan Kendra, Suttur, in association with the Agriculture Department, organized extensive awareness and outreach programs across multiple villages—Kampalapura and Panchavalli in Periyapatna Taluk; Mellahalli, Gopalapura, and Mulluru in Mysuru Taluk; and Alamburu and Basavanapura in Nanjangud Taluk.

The program focused on disseminating information about various schemes and initiatives offered by different agriculture-related departments. Smt. Aruna, Agriculture Officer, spoke in detail about the numerous schemes available under the Agriculture Department, including loan facilities accessible to farmers. Dr. G.M. Vinay, Horticulture Subject Expert at JSS KVK, elaborated on the various welfare schemes and support programs offered by the Horticulture Department to benefit farmers engaged in fruit, vegetable, and flower cultivation.

Dr. U.M. Rakshiraj, Veterinary Science Expert, provided insights into the various initiatives under the Animal Husbandry and Veterinary Sciences Department. He stressed the importance of integrated livestock practices and government support mechanisms. Dr. Y.P. Prasad, an expert in Plant Protection, introduced Central Government schemes aimed at enhancing crop health and pest control, and spoke on the importance of adopting scientific methods for sustainable farming.

Sri Shamraj, Cultivation Expert from JSS KVK, explained the range of subsidies available for agricultural equipment. He also informed farmers about the ICAR JSS KVK's initiative of providing farming equipment on rent—free of cost for Scheduled Caste and Scheduled Tribe farmers, and at subsidized rates for others, encouraging wider access to mechanized farming tools.

Additionally, experts from ICAR, Bengaluru—Dr. Kajal Shankarroy, Dr. Shivaswamy, Dr. Sabarinath, and Dr. Basavaraj Sajjanna—shared valuable guidance on cattle care and animal health management. Their sessions addressed issues related to cattle nutrition, disease prevention, and scientific livestock rearing practices.

More than 1000 farmers from the participating villages attended the event and benefitted from the expert interactions and detailed information on government-supported agricultural schemes. The outreach initiative aimed to empower farmers with the knowledge needed to leverage various departmental benefits for improved livelihood and sustainable agricultural growth.





Field Outreach Highlights Animal Husbandry and Dairy Development under Vikasit Krishi Sankalp Abhiyan

Suttur, June 10, 2025: The ICAR JSS Krishi Vigyan Kendra, in collaboration with the Department of Agriculture, Mysuru, conducted a series of field visits and information dissemination programs on June 8, 2025, as part of the 10th day of the ongoing Vikasit Krishi Sankalp Abhiyan. These programs were held at Jayapura and Daaripura in Mysuru Taluk, and Machabayanahalli in Hunsur Taluk, with the aim of spreading awareness about government schemes and best practices in agriculture and animal husbandry.

During the outreach, Dr. Rakshitraj provided an overview of various schemes launched by the Government of India related to agriculture and animal husbandry. He emphasized the importance of integrated farming practices and the cultivation of nutritious fodder crops to support livestock health.

Dr. Kajal Shankarroy, Chief Scientist at the National Veterinary Food and Shareerakriya Shastra Institute, Bengaluru, delivered a detailed talk on managing infertility in cattle. She highlighted the benefits of using mineral mixtures and hormonal treatments to address reproductive issues in livestock. Dr. Shankarroy also explained how deficiencies affecting milk fat content and quality can be addressed by incorporating nutritional products such as bypass fat and KMF Samruddhi into cattle diets.

Adding further value to the event, Dr. Shivaswamy, Scientist at the National Dairy Research Institute, encouraged farmers to adopt dairy farming alongside traditional agriculture. He stressed that such integrated approaches not only improve farm sustainability but also serve as a viable source of supplementary income for rural households.

The programs witnessed enthusiastic participation from local farmers, who gained valuable insights into scientific practices, government support mechanisms, and entrepreneurial opportunities within the livestock and dairy sectors.







Vikasit Krishi Sankalp Abhiyan: Foreign Delegates Visit ICAR JSS KVK and Interact with Farmers

Suttur, June 10, 2025: As part of the 10th day of the ongoing Vikasit Krishi Sankalp Abhiyan, the ICAR JSS Krishi Vigyan Kendra (KVK), Suttur, welcomed distinguished international guests Dr. Scot Heriatt, Vice-President of Educational Affairs and Management Professor from the United States, and Sri Bernard Marcus, Psychology Researcher at Maharshi International University.

The guests were warmly received by Dr. B.N. Gnanesh, Senior Scientist and Head of JSS KVK, who gave an overview of the KVK's functions and objectives. The visitors toured various model farms at the center and appreciated the efforts being made towards sustainable agriculture and farmer empowerment. They also participated in the field program organized at Devanuru village in Nanjangud Taluk and engaged in meaningful discussions with local farmers.

Dr. Vinay G.M., Scientist at JSS KVK, explained the importance of soil testing in agriculture and horticulture and its role in enhancing productivity. He provided insights on preparatory methods for monsoon crops, use of green compost such as Senabu, Diancha, and Sasugunnikayi, and the benefits of waste compost enriched with Trichoderma, Pseudomonas, and Metarhizium. He also spoke about vermicompost applications and the advantages of using light nutrient blends in crops like vegetable samruddhi and baale samruddhi.

Dr. Prasad of JSS KVK detailed disease management strategies in banana cultivation, including control of Panama disease, leaf spot, and Nendra banana-specific infections. He emphasized integrated bio-management, pest control measures for Rhinoceros beetles, white flies, and the effective use of protective nets.

Dr. Satish Yevunje, Senior Scientist at the Central Institute of Freshwater Aquaculture (CIFA), Bengaluru, addressed the participants on pisciculture practices and their significance in doubling farmer incomes.

Simultaneously, Dr. Sujatha Nair and Dr. Anuradha Sane, Scientists from ICAR-IIHR, Bengaluru, visited the Abhiyan program held in Aatahalli village, Bannur Hobli, T. Narasipura Taluk. They provided guidance on horticultural crop management, seed selection, and advanced cultivation techniques.

Sri Shivanna, Technical Manager of the ATMA Program, Agriculture Department, T. Narasipura Taluk, briefed the farmers on the various schemes and support programs offered by the department.

Sri Shamraj, Cultivation Subject Expert from JSS KVK, discussed the major crops grown in the region, current challenges faced by farmers, and shared recommendations on field preparation for the monsoon season, selection of improved crop varieties, seed treatment, and integrated nutrient management.

The program highlighted the continued commitment of ICAR JSS KVK and its partners to strengthen the farming community through technical knowledge, global collaboration, and practical solutions tailored to local needs.





Vikasit Krishi Sankalp Abhiyan: Field Visits and Farmer Engagement Mark 9th Day of Campaign

Suttur, June 7, 2025: As part of the ongoing Vikasit Krishi Sankalp Abhiyan, a team of agricultural scientists, including experts from ICAR JSS Krishi Vigyan Kendra (KVK), Suttur, conducted extensive field visits across multiple villages in Mysuru Taluk on June 6, 2025, marking the 9th day of the campaign.

The team visited the farm of Shri Parashivamurthy in Kempegowdanahundi Village, a progressive farmer trained in organic agriculture. He has adopted organic practices in cultivating banana, arecanut, and coconut, using vermicompost produced on his farm. The scientists examined his field and encouraged surrounding farmers to consider phased adoption of organic farming methods to enhance sustainability and soil health.

The team also visited the integrated farm of Shri Krishnegowda in Varakhodu Village, where they advised him on diversifying farming activities by incorporating animal husbandry, poultry, and sheep farming along with regular crop cultivation to improve income and resource utilization.

At Bommenahalli Village in Yelwala Hobli, Sri Shamraj, Cultivation Expert at JSS KVK, engaged with local farmers and educated them on improved cultivation techniques for cereals, soil health management, soil and water conservation, and rainwater harvesting. He also shared technical knowledge on rainfed crop cultivation methods suited to local conditions.

Sri Virupaksha, Officer from the Department of Agriculture, informed farmers about the various schemes, subsidies, and facilities available through the department to support agricultural development. The Taluk Agriculture Officer, in charge of the ATMA (Agricultural Technology

Management Agency) program, elaborated on the benefits and implementation of the ATMA initiatives in the region.

Dr. Sujatha Nair and Dr. Anuradha Sane, Scientists from ICAR-IIHR, Bengaluru, provided farmers with valuable insights into mango variety selection, mango orchard management, and flower cultivation techniques that can enhance productivity and quality.

The field outreach activities of the day benefited over 418 farmers across the visited villages, reflecting the Abhiyan's continued commitment to knowledge-sharing, sustainable farming practices, and farmer empowerment.



Vikasit Krishi Sankalp Abhiyan Continues to Em-power Farmers in Varuna Village

Suttur, June 5, 2025: The seventh day of the Vikasit Krishi Sankalp Abhiyan was held at Varuna Village in Mysuru Taluk, with the active participation of various allied de-partments of agriculture. The initiative, aimed at enriching farmers with both tradi-tional knowledge and scientific farming practices, witnessed a strong turnout and en-thusiastic response from the local farming community.

Shri Hemanth, Agriculture Officer of Varuna, addressed the farmers about the varieties of crops suitable for the monsoon season and the various facilities offered by the agri-culture department. He emphasized the importance of natural farming and introduced traditional crop varieties such as Rajamudi and Siddasanna. He also encouraged farm-ers to construct agricultural ponds under the Krishi Bhagya Scheme to facilitate drip irrigation and improve water use efficiency.

Dr. Vinay G.M., representing the ICAR JSS Krishi Vigyan Kendra, Suttur, discussed the selection of monsoon crops, pre-monsoon land preparation techniques, soil testing methods, and their practical benefits. He elaborated on the use of green compost, cli-mate-resilient crop choices, and nutrient management strategies suitable for the rainy season. Dr. Vinay also introduced light nutrient-requirement crops like Baale Samrud-dhi (Banana), Maavu Samruddhi (Mango), Shunti Samruddhi (Ginger), Arishina Samruddhi (Turmeric), and Tarakari Samruddhi (Vegetables), which are ideal for sus-tainable cultivation.

Dr. Satish Yevunje, Senior Scientist from the Indian Institute of Soil & Water Conserva-tion, Regional Research Institute, Bengaluru, shared insights into the institute's role in promoting soft water agriculture. He highlighted the health and economic benefits of fisheries and explained how the Pradhan Mantri Matsya Sampada Yojana, Fisheries and Aquaculture Infrastructure Development Fund, and Pradhan Mantri Matsya Krishik Samruddhi programs can help farmers double their income through aquaculture.

Dr. B.N. Gnanesh, Senior Scientist and Head of ICAR JSS KVK, stated that under the Vi-kasit Krishi Sankalp Abhiyan, the KVK has organized various training sessions throughout Mysuru District. He noted that three expert teams are actively visiting vil-lages to provide technical guidance. He urged farmers to take full advantage of these opportunities and also visit the JSS KVK center to receive more information about cli-mate-suitable crops and modern cultivation techniques. He advised them to conduct soil testing at least once every two years to make informed decisions about crop selec-tion and nutrient application.

Dr. Deepak addressed the participants on the importance of food processing and the value addition of agricultural produce. Agriculture Officer Anand spoke about the facili-ties available specifically for women farmers under various departmental schemes.

The program was presided over by Shri Siddaraju, Gram Panchayat Member, who ex-pressed that the event was highly beneficial for local farmers. He encouraged partici-pants to seek guidance from scientists and apply their knowledge to improve crop yield and income.

In T. Narasipura Taluk, similar sessions were held at Muguru and Hosahemmige villag-es, where Sri Shamraj, Cultivation Expert from JSS KVK, interacted with farmers to un-derstand their cropping patterns and the challenges they face. He offered insights into monsoon field preparation, the selection of improved seed varieties, seed treatment, and integrated nutrient management techniques.

Dr. Sujatha Nair and Dr. Anuradha Sane of ICAR IIHR, Bengaluru, addressed the farmers on effective horticultural crop management, focusing on seed selection and best cultiva-tion practices. Sri Shivanna, Taluk Technical Manager for the ATMA Program, shared details about government agriculture schemes and how farmers can benefit from them.

The event concluded on a high note, reflecting the continued impact and success of the Vikasit Krishi Sankalp Abhiyan in empowering farmers with actionable knowledge and support systems.



[Vikasit Krishi Sankalp Abhiyan: Empowering Farmers with Practical Insights and Scientific Knowledge]

Suttur, June 4, 2025: As part of the ongoing Vikasit Krishi Sankalp Abhiyan, the ICAR JSS Krishi Vigyan Kendra (KVK), Suttur, organized a day-long awareness and training program for farmers at the District Training Center, Naganahalli, Mysuru, on June 3, 2025.

The program was inaugurated by Dr. Dhananjaya, Deputy Director, Agriculture Depart-ment, and Dr. B.N. Gnanesh, Senior Scientist and Head, ICAR JSS KVK, Suttur. Noted sci-entists Dr. Sujatha Nair from IIHR, Bengaluru and Dr. Anuradha Sane were present as chief guests.

In his inaugural address, Dr. B.N. Gnanesh urged farmers to undertake soil testing, proper land preparation, and crop selection before sowing to ensure better yields. He advised the use of disease-resistant seed varieties, emphasized seed treatment, and en-couraged farmers to grow jowar as a sustainable alternative to tobacco, mentioning that produce could be sold to Glowco Company at prices above the minimum support price.

In a related session at Kuruburu village, T. Narasipura Taluk, farmers were trained in integrated nutrient management and pest and disease control in Sugandharaja crop. Dr. Sujatha Nair recommended replacing Sugandharaja with high-yielding Arka Prajwal, and adopting drip and uphill irrigation techniques to combat root rot and nematodes.

At Jeemaranahalli village in Nanjangud Taluk, Dr. Anuradha Sane inspected tissue-cultured banana plantations facing challenges and provided on-ground recommenda-tions to farmers.

Similar educational programs were held in Tayuru, Ishwaragowdanahalli, Nerale, and Halepura villages in Nanjangud Taluk, in collaboration with local Agriculture Depart-ment officials and Gram Panchayats.

Dr. Vinay G.M., ICAR JSS KVK, shared insights on soil testing techniques, monsoon land preparation, green composting, crop and variety selection, and nutrient management in crops. He also introduced farmers to Samruddhi light nutrient banana and vegetable varieties, highlighting their benefits.

Dr. Prasad addressed common monsoon crop diseases and pests, emphasizing biologi-cal control methods, especially for paddy crop management.

Dr. Satish Evunje, Senior Scientist, Central Freshwater Aquaculture Research Institute, Bengaluru, discussed the activities of the institute and provided valuable details about the Pradhan Mantri Matsya Sampada Yojana and other state-supported fisheries pro-grams.

In Hanumanahalli, Beejanahalli, and Mirle villages of Saligrama Taluk, Dr. U.M. Rakshitraj provided training on livestock health, including management of foot and mouth disease in cattle. Dr. Deepak engaged farmers with insights on value addition in crops, nutritional benefits of kitchen gardening, and related practices.

The series of sessions provided hands-on knowledge and interactive learning opportu-nities for hundreds of farmers across Mysuru District, helping them adopt modern, sci-entific, and sustainable agricultural practices.





[Vikasit Krishi Sankalp Abhiyan: Empowering Farmers Through Knowledge and Innovation]

Mysuru, June 3, 2025: The ICAR JSS Krishi Vigyan Kendra (KVK), Suttur, has launched the Vikasit Krishi Sankalp Abhiyan program in Mysuru District, with the aim of spreading scientific agricultural knowledge and practical farming solutions among rural communities. As part of the initiative, three dedicated teams comprising officials from the Agriculture Department and agricultural research scientists have been deployed across the district.

On June 2, 2025, a program was held in Gungralchatra village, Mysuru Taluk, where Dr. Vinay G.M. of JSS KVK spoke on critical farming topics such as land preparation, the use and benefits of green compost, and monsoon-specific precautionary measures.

Dr. Gundappa B., from the National Bureau of Agricultural Insect Resources (NBAIR), Bengaluru, informed farmers about the Bureau's ongoing research and its relevance to crop protection. He discussed pest control in jowar and coconut crops, highlighting biocontrol strategies and disease prevention.

Dr. Siddappa, from Horticulture University, Mysuru, addressed issues related to Thottapatti crops, nutrient management in coconut farming, and the importance of utilizing new crop varieties. Dr. Shivakumar, also from the university, explained soil testing, soil conservation, organic matter enhancement, and how to identify and manage nutrient deficiencies in crops.

Dr. Tanveer, Horticulture Department, Bagalkote, shared updates on the latest technologies and facilities offered by the department, particularly through the Raitha Seva Kendra, Ilwala. Sri Venkateshmurthy, Horticulture Officer, outlined schemes and benefits available through the department such as drip irrigation, support for GI-tagged crops like Mysuru Mallige, Nanjangud Rasabale, and Mysuru beetle leaves, and employment generation through government schemes.

The program saw active interaction between farmers and scientists, with over 75 farmers (including women) participating. The team also visited KG Halli, Beechanahalli, Chakahalli, and Jayapura villages in HD Kote Taluk, where they engaged with local farmers on topics like nutrient management, jowar crop diseases, biocontrol methods, and soil testing.

Farmers also received insights into ginger crop disease management, proper soil sample collection, and State and Central Government schemes available to support farming.

Dr. B.N. Gnanesh, Head and Senior Scientist, JSS KVK, encouraged farmers to visit the KVK center to gain hands-on knowledge about horticulture, animal husbandry, vermicomposting, and scientific farming methods.

Other experts present included Dr. Shamraj of JSS KVK, Dr. M. Sampathkumar of ICAR-ANBA, Bengaluru, and Dr. P. Preeti, Scientist, IIHR. The program benefited over 50 farmers, including both men and women.



Farmers Should Prioritize Chemical-Free Agricultural Practices: Suttur Sri

Sri H.M. Nagaraju inaugurating the Vikasit Krishi Sankalp Abhiyan program held at Sri Sutturkshetra, organized by the ICAR JSS Krishi Vigyan Kendra, in the divine presence of His Holiness Jagadguru Sri Shviarathri Deshikendra Mahaswamiji. Sri Mallayya Swami, Sri M. Madangopal, Prof. Mallepuram G. Venkatesh, Sri Mahima Patel and progressive farmers are seen in the picture.

Suttur, May 31, 2025: His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji emphasized the importance of chemical-free farming while speaking at the **Viksit Krishi Sankalp Abhiyan** program held at Suttur on **May 29, 2025**. The event was organized by the **ICAR JSS Krishi Vigyan Kendra (KVK).**

In his benedictory address, His Holiness expressed concern that excessive use of chemical fertilizers has led to soil degradation and food toxicity. "Farmers must give importance to organic farming. Just as human beings undergo regular medical check-ups, soil too should be examined periodically to maintain its health," he said. He urged farmers to combine ancient agricultural wisdom with modern technology and to seek guidance from agricultural science centers to improve their farming practices.

Sri H.M. Nagaraju, Joint Director of the Horticulture Department, Mysuru, highlighted the core purpose of the Viksit Krishi Sankalp Abhiyan—farmer education. He noted that Karnataka ranks first in the country in horticultural crop production and encouraged farmers to adopt **drip irrigation** for water efficiency, prioritize organic methods, and take advantage of government schemes and programs.

Sri M. Madangopala, IAS (Retd.), remarked that a nation's prosperity depends on the well-being of its farmers. He pointed out that India now leads the world in rice production and advised farmers to select crops suitable to each season.

Former MLA Sri Mahima Patel urged ICAR JSS KVK officials to guide farmers on cultivating rain-dependent crops. He warned against excessive use of chemicals and stated, "Along with organic farming, organic politics is also needed today."

Prof. Mallepuram G. Venkatesh, former Vice-Chancellor, emphasized that farmers are the backbone of the country and society. He called upon governments to work toward farmers' welfare and encouraged traditional agricultural practices.

Dr. B.N. Gnanesh, Head of ICAR JSS KVK, provided insights into the objectives of the Viksit Krishi Sankalp Abhiyan.

The event began with an invocation by Matrushri Parvathamma and team. Sri G.L. Tripurantaka delivered the welcome address, while Sri K.P. Basavaraju offered the vote of thanks. The program was compered by Sri Mahadevaprasad.

HH Jagadguru Sri Shivarathri Deshikendra Mahaswamiji Launches 'Viksit Krishi Sankalp Abhiyan' at Suttur

Suttur, May 30, 2025: The 'Viksit Krishi Sankalp Abhiyan' was formally launched at Suttur by His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji, marking a major initiative to disseminate scientific agricultural knowledge and modern technologies among farmers across Mysuru District.

Speaking on the occasion, Dr. B.N. Jnanesh, Head of ICAR JSS Krishi Vigyan Kendra (KVK), Suttur, shared key details of the campaign. The ICAR JSS KVK will organize 200 meetings across 135 villages in Mysuru District between **May 2 and June 12.** These meetings aim to bridge the gap between agricultural research and practice by taking cutting-edge laboratory innovations directly to the farmers' fields.

"Our objective is to reach out to **22,000 farmers** under this initiative," said Dr. Jnanesh. "The program will create awareness on new seed varieties, advanced farming technologies, and sustainable agricultural practices."

A wide array of stakeholders will actively participate in the campaign, including:

- Agricultural scientists from premier research institutes
- Officials from the departments of agriculture, horticulture, dairy farming, and fisheries
- Representatives from non-governmental organizations (NGOs)
- Progressive farmers from the region

The campaign reflects a collaborative and inclusive approach to empower the farming community, boost productivity, and promote region-specific best practices for long-term agricultural development.











Horticultural Crops Helpful for Financial Independence: Shri H.M. Nagaraju

Group photo of the participants of the 'Farmers Camp', held at Sri Sutturkshetra, jointly organized by the Jagadguru Shri Veerasimhasana Mahasamsthana Math, Shri Shivarathreeshwara Dharmika Datti and JSS Mahavidyapeetha. Shri B.N. Nagesh, Chief Manager, SBI Lead Bank, Shri H.M. Nagaraju, Joint Director, Horticulture Department and Convener of the program are seen in the picture.

Suttur, May 06, 2025: "Horticultural crops are helpful in attaining financial independence," observed Shri H.M. Nagaraju, Joint Director, Horticulture Department, while addressing the valedictory function of the farmers camp held at Sri Sutturkshetra on May 05, 2025.

In his address to the farmers, Shri Nagaraju emphasized the importance of organic farming. "Farmers should prioritize organic practices. Using organic manure enriches soil fertility by providing essential nutrients. Drip irrigation must be adopted, and regular soil and water testing should be conducted. The Horticulture Department offers subsidies for cultivating crops such as arecanut, coconut, mango, banana, and ornamental flowers," he informed.

Shri B.N. Nagesh, Chief Manager, SBI Lead Bank, expressed his belief that participants had gained valuable insights into effective agricultural practices. "Banks prioritize agriculture and offer loans accordingly. Farmers must ensure they utilize their agricultural land efficiently. Processing and selling their own produce directly to consumers can fetch better prices," he advised.

Shri G. Krishnaprasad of the Sahaja Samruddha Samsthe stressed the foundational role of seeds in agriculture. "Always choose sowing seeds suited to your land and climatic conditions. Desi seeds are currently in high demand. The success of agricultural yield depends not only on the quality of seeds but also on the method of farming. Avoid harmful and toxic farming practices," he urged.

Progressive farmer Shri P. Shivakumaraswamy described cultivation as an experimental and dynamic process. "Farming methods vary from region to region. Cultivation itself holds elements of entrepreneurship. Farmers should understand the market demand, cultivate accordingly, and ensure profitability. With the right mindset and confidence, financial self-reliance is achievable," he said.

Shri N. Keshavamurthy, Executive, Akashavani, Mysuru, spoke on the cultural significance of Indian agriculture. "India has a farming legacy of over 5,000 years. Agriculture was once the very essence of Indian life. The festivals we celebrate are deeply tied to our agricultural traditions. Agriculture continues to unite communities and is central to our identity," he observed.

Camp participants Shri Swamilavana, Shri H.R. Shivamadu, Shri M.P. Ramashetty, Smt. S.B. Sheetal, and Shri K.S. Pradeep shared their thoughts and experiences.

The camp report was presented by Shri Y.S. Manju Patel, while Smt. Dhanya rendered the invocation. Dr. U.M. Rakshitraj delivered the welcome address, Dr. B.N. Jnanesh proposed the vote of thanks, and Dr. G.M. Vinay compered the event.



Nature is the True Teacher of Agriculture: Dr. Halathi Somashekar

Farmers taking part in the 'Kapilarati' on the banks of Kapila river as part of the farmers camp held at Sri Sutturkshetra, jointly organized by the Jagadguru Sri Veerasimhasana Mahasamsthana Math, Sri Shivarathreehswara Dharmika Datti and JSS Mahavidyapeetha. The participants offered arati to Kapila river, expressing their devotion.

Suttur, May 05, 2025: "Nature itself is a teacher for agriculture," said Dr. Halathi Somashekar, noted agricultural expert, while addressing farmers at a special camp organized at Sri Sutturkshetra.

In his address, Dr. Somashekar highlighted the importance of returning to traditional agricultural practices inspired by nature and ancient wisdom. "In ancient times, saints and monks were also farmers. They began their daily agricultural activities by offering prayers to the gods of fire, wind, and rain," he said. He encouraged those practicing 'Vedakrishi' (Vedic agriculture) to treat their fields as laboratories and share this agricultural heritage with fellow farmers. "We must strive to grow and provide chemical-free crops," he added.

Sri Vinod, Manager, State Bank of India, emphasized the immense contribution of farmers to national development. "Both state and central governments have introduced various loan schemes for farmers. It is important that farmers become aware of these schemes and utilize them effectively," he said. He appealed to farmers not to lose hope during times of crisis. "Instead of resorting to suicide, adopt financial discipline and continue your efforts with determination," he urged.

Dr. B.N. Shadaksharimurthy spoke about mixed farming as a modern and sustainable agricultural practice. He specifically highlighted the benefits of dairy farming as a path to financial independence. "Breeds such as Gir, Sindhi, Rati, and Hallikar are ideal. Rearing local cattle varieties not only supports organic farming through natural manure but also ensures nutritious dairy products for the people," he noted.

The camp activities included early morning mass prayers followed by yoga. In the afternoon, participants watched the animated movie *Suttur Guruparampare*, enjoyed traditional desi games in the evening, visited nearby shrines and temples, and received blessings. They also participated in evening prayers on the banks of the Kapila River, including the *Kapilarati*, followed by vibrant cultural programs.

Farmers from various districts across the state enthusiastically took part in the camp.



ICAR-JSS KVK and Boruka Charities Conduct Urad Cultivation Training and Input Distribution for Farmers in Model Pulse Villages

Suttur, March 26, 2025: The ICAR-JSS Krishi Vigyan Kendra (KVK), Suttur, in collaboration with Boruka Charities, T. Narasipura, organized a training program on scientific cultivation techniques for the high-yielding Urad Dal variety LBG 791 in Madapura, C.B. Hundi, and Jalahalli villages under the Model Pulses Village Program.

Dr. B.N. Gnanesh, Senior Scientist and Head of ICAR-JSS KVK, explained the objectives of the initiative, while Seed Technology expert Smt. H.V. Divya guided farmers on improved cultivation practices. She highlighted the benefits of the disease-resistant LBG 791 variety, which offers higher yields with lower input costs, and demonstrated proper seed treatment using biofertilizers like Rhizobium, PSB, and Trichoderma at 200 grams per acre. Farmers were advised on soil preparation with Trichoderma-mixed manure (4 tons/acre) or organic manure (2 tons/acre) applied 2–3 weeks before sowing, along with balanced chemical fertilizer application based on soil test results (10:20:10 kg NPK per acre).

Detailed recommendations were provided for urea, SSP, MOP, and DAP combinations, along with weed management using herbicides. The program concluded with the distribution of LBG 791 seeds to participating farmers.

Smt. Mangala, Program Coordinator of Boruka Charities, along with JSS KVK experts Dr. Vinay G.M., Dr. Y.P. Prasad, Dr. Deepak, and field assistants, facilitated the sessions held on March 21–22, 2025, which saw enthusiastic participation from over 275 farmers across the villages.

This initiative aims to enhance pulse productivity, reduce cultivation risks, and improve farm incomes through sustainable agricultural practices.



ICAR JSS Krishi Vigyan Kendra and Boruka Charities Collaborate to Empower SC/ST Farmers with Urad Cultivation Training and Seed Distribution

Narasipur, March 24, 2025: In a significant step toward empowering Scheduled Castes (SC) and Scheduled Tribes (ST) farmers, ICAR JSS Krishi Vigyan Kendra (KVK) and Boruka Charities, T. Narasipur, organized a comprehensive training program on the cultivation, seed treatment, and seed production of the high-yielding urad variety LBG 791. The program, held at Akkur village of T. Narasipur taluk, aimed to equip farmers with advanced agricultural techniques to enhance productivity and profitability.

Dr. B.N. Gnanesh, Senior Scientist and Head of ICAR JSS Krishi Vigyan Kendra, emphasized the organization's commitment to introducing new and improved crop varieties tailored to farmers' needs. He highlighted the importance of training programs in guiding farmers to achieve higher yields and sustainable farming practices.

Key Recommendations for Urad Cultivation:

Smt. H.V. Divya, Seed Technologist at KVK, addressed the challenges faced by farmers in the region, who predominantly cultivate the T9 or local urad varieties, which are prone to diseases and yield low output. She recommended the LBG 791 variety as a superior alternative, citing its resistance to yellow leaf disease and higher yield potential.

To ensure healthy crop growth and maximize yield, Smt. Divya provided detailed guidance on seed treatment, soil preparation, and fertilizer application:

1. **Seed Treatment:**
    - Treat seeds with organic fertilizers such as Rhizobium, PSB, and Trichoderma at a rate of 200 grams per acre.
2. **Soil Preparation:**
    - Apply manure mixed with Trichoderma at a rate of 4 tons per acre or 2 tons of organic manure 2-3 weeks before sowing.

3. **Chemical Fertilizers:**
    - Based on soil test results, apply chemical fertilizers in the ratio of 10:20:10 kg nitrogen: phosphorus: potash per acre. Specific recommendations include:
        - Urea 21.7 kg + SSP 125 kg + MOP 16.7 kg, or
        - 10:26:26 (38.5 kg) + Urea 13.4 kg + SSP 62.5 kg, or
        - DAP 43 kg + Urea 4.7 kg + MOP 16.7 kg.
4. **Weed Management:**
    - Spray the herbicide Sodium Acefluorfen 16.5% + Clodinafop-Propargyl 8% EC (Patela) at a rate of 3.5-4 ml per liter of water within 15-24 days of sowing when the soil is moist.

Smt. Divya assured farmers that the LBG 791 variety would not only yield higher outputs but also reduce cultivation costs due to its disease-resistant properties. She encouraged farmers to select high-quality plants and preserve seeds for future sowing.

Seed Distribution and Farmer Participation:

Following the training session, urad seeds of the LBG 791 variety were distributed to all participating farmers. Detailed records of the beneficiaries were maintained to ensure effective follow-up and support.

The event saw the presence of Mrs. Mangala, Program Coordinator of Boruka Charities, along with KVK's subject matter experts, including Dr. Vinay G.M., Dr. Y.P. Prasad, and Dr. Deepak. Field assistants Akshay, Mahendra, and Mahadevaswamy also contributed to the program's success. Over 80 farmers from the region actively participated, gaining valuable insights into modern urad cultivation practices.

Conclusion:

This collaborative initiative by ICAR JSS Krishi Vigyan Kendra and Boruka Charities underscores their shared commitment to empowering marginalized farming communities through knowledge dissemination and resource support. By adopting the LBG 791 variety and implementing recommended practices, SC/ST farmers in T. Narasipur are poised to achieve higher yields, reduced costs, and improved livelihoods.

PM Kisan Yojana 19th Installment Financial Assistance Transfer Program to be Held on February 24, 2025

Suttur, February 20, 2025: The 19th instalment financial assistance transfer program under the PM Kisan Yojana is scheduled to be held on February 24, 2025, at 2:00 PM. As part of this program, a special dialogue on agricultural issues will be organized at ICAR JSS Krishi Vigyan Kendra (KVK), Suttur, Nanjangud Taluk, at 11:00 AM on the same day.

The session will provide an opportunity for farmers to discuss key agricultural challenges, advancements, and government support initiatives. Following this, the live broadcast of the PM Kisan Yojana financial assistance transfer program will be conducted at the KVK premises in the afternoon.

Farmers and women farmers are encouraged to participate in both the interactive session and the live broadcast in large numbers. This event serves as an important platform to gain insights into government schemes, financial aid, and modern agricultural practices.

For further details, interested farmers can contact ICAR JSS Krishi Vigyan Kendra, Suttur.





Farmers Encouraged to Utilize National Livestock Mission for Sustainable Growth

Suttur, February 17, 2025: The ICAR JSS Krishi Vigyan Kendra (KVK), Suttur, successfully conducted a three-day workshop on 'Scientific Methods of Animal Husbandry' to educate farmers on modern livestock farming practices.

Addressing the valedictory session, Dr. Shivanna, Joint Director, Department of Animal Husbandry and Veterinary Services, Mysuru, emphasized the need to adopt scientific methods in animal husbandry to meet the increasing nutritional demands of India's growing population. He highlighted the findings of the Indian Medical Research Centre, which recommend a daily intake of 300 ml of milk, half an egg, and 33 gm of meat per person for adequate nutrition.

Dr. Shivanna also informed farmers about the Government of India's National Livestock Mission, which provides a 50% subsidy for sheep, goat, and swine farming, as well as fodder and animal feed units. He urged farmers in Mysuru district to take advantage of this scheme and apply online for subsidies and bank loans to promote self-employment.

Dr. H. Teggi, Joint Director, Animal Husbandry Excellence Centre, encouraged participants to utilize government schemes to strengthen their economic position. Dr. Nagaraju, Assistant Director, Sheep and Wool Corporation, stressed that dairy farming has been instrumental in improving farmers' financial stability and advised them to adopt scientific livestock farming techniques for higher profits.

Speaking on the occasion, Dr. Jnanesh, Senior Scientist & Head, ICAR JSS KVK, highlighted that the Kendra regularly organizes training programs, seminars, and workshops to support farmers in enhancing their income through modern agricultural techniques.

The event saw participation from progressive farmers, scientists, and over 65 farmers. Experts including Dr. Raghavendra, Dr. Vijeth, Dr. Chetan, Dr. Deepak, Dr. Rakshit Raj, and Sri Ashwatappa also contributed to the discussions.



Three-Day Training Program on Scientific Animal Husbandry Practices Held at ICAR JSS Krishi Vigyan Kendra

Suttur, February 2025: A three-day training program on scientific animal husbandry practices was successfully organized at ICAR JSS Krishi Vigyan Kendra (KVK), Suttur, Nanjangud Taluk, in collaboration with the Center of Excellence in Animal Husbandry, Government of India, and the Department of Animal Husbandry and Dairying.

Dr. H. Teggi, who inaugurated the program as the chief guest, emphasized that the government is conducting various training programs for farmers at JSS KVK and other institutions to enhance their knowledge of animal husbandry and help them increase their income. He encouraged farmers to take advantage of these programs and adopt scientific practices in dairy, sheep, goat, and poultry farming.

Shri Arvind S.C., Joint Director, KMF Training Center, highlighted the importance of scientific dairy farming with modern technology to ensure success. He pointed out that farmers can increase their profits not only from milk but also by raising calves, stressing the need for pure milk production in a competitive market.

Dr. Nagaraju, Deputy Director, Animal Husbandry and Veterinary Services Department, Mysuru District, underscored the importance of providing quality nutritious fodder to cattle. He advised

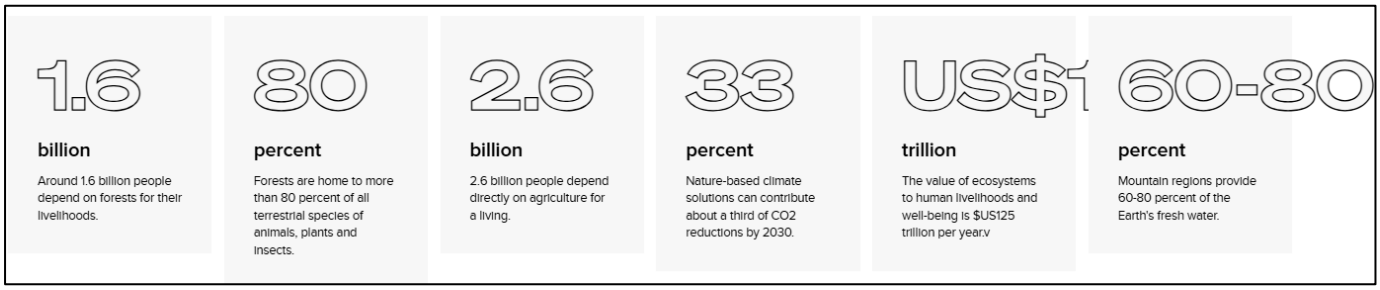
farmers to dedicate 15-20% of their land to growing fodder and encouraged them to share their training knowledge with fellow farmers to promote sustainable and profitable animal husbandry.
Dr. B.N. Gyanesh, Senior Scientist and Head, ICAR JSS Krishi Vigyan Kendra, who presided over the event, urged farmers to develop a bond with their cattle and suggested integrating agriculture with animal husbandry to double their income.
The training program witnessed participation from experts, including Dr. Mallikarjuna Swamy, Dr. Balaraj, Shri Ashwathappa, Dr. Vinay G.M., Dr. Rakshit Raj, and Dr. Deepak, along with KMF officials and over 60 farmers.
This initiative provided valuable insights into scientific livestock management, fodder cultivation, and sustainable dairy farming, equipping farmers with the skills needed to improve their productivity and earnings.





One-Day Training Program on Water User Cooperative Societies Successfully Conducted

Suttur, February 13, 2025: A one-day training program for Water User Cooperative Societies was successfully organized on February 13, 2025, in collaboration with ICAR JSS Krishi Vigyan Kendra, Suttur, and CADA, Mysuru, at the JSS KVK Training Hall.
The program was inaugurated by Shri Mariswamy, President, CADA, Mysuru, who interacted with the farmers about the functioning of water user societies and emphasized the importance of addressing existing challenges and inefficiencies.
Dr. Chandra Kalajat, Director of Agriculture, CADA, Mysuru, attended as the chief guest and provided insights into the Command Area Development Authority's (CADA) plans and initiatives aimed at improving water management and agricultural productivity.
Presiding over the program, Dr. B N Gyanesh, Senior Scientist & Head, ICAR JSS Krishi Vigyan Kendra, Suttur, highlighted the importance of bio-fertilizers in sustainable agriculture and their role in improving soil health.
The event featured expert sessions from agriculture and horticulture specialists:
Mr. Shamaraja, Subject Expert, Agriculture, JSS KVK, delivered a lecture on soil and water test-based fertilizer management, management of paddy, alkaline and swampy soils, and integrated crop management in catchment areas. Dr. GM Vinay, Subject Expert, Horticulture, JSS KVK, educated farmers on integrated crop management of horticultural crops in the catchment area.
The program concluded with a vote of thanks delivered by Dr. Deepak, Subject Expert, Home Science, JSS KVK.
This training initiative provided valuable knowledge and practical solutions to farmers, equipping them with the necessary skills to enhance water management, soil health, and crop productivity in their respective regions.





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1. S Rajeshwari, Abu Safana Biswas, Suresh J, Erica Alves, Gurupadayya BM, Archana Pilli, Subba Rao M V S S T, Pattaluchetty P. Phytochemicals from corn plant as Anti-Inflammatory Agents: Molecular Insights and Therapeutic Perspectives. Pharmacological Research - Natural Products. 2026 Jan;100497. doi:10.1016/j.prenap.2026.100497.
2. Saraswathi S, Venkataravanappa JT, Nambiar C, et al. Plant-derived neuroprotective compounds and nanoformulations targeting Parkinson's disease: a semi-systematic review of mechanisms and

therapeutic potential. Metabolic Brain Disease,2026 May;41:101. doi:10.1007/s11011-026-01868-

Sl No	Title of the project	Principle investigator(s)	Department(s)	Funding agency	Amount sanctioned
1.	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	ICMR	40,31,649.00
2.	Development of millet-based dietary fiber for protection of allergic asthma by modulating gut microbiome-derived short-chain fatty acids	PI: **Dr. Kiran** Co-PI: **Dr. Rajesh Kumar T**	School of Life Sciences Biochemistry	ICMR	40,00,000.00

y.

3. Mouvanal Sajana, Mutthuraj Dasegowda, MS Brunda A, K R Arjun, Kanthesh M Basalingappa. Emerging Research on Bioactive Compounds and Cancer Stem Cells. Medicinal Plants and Their Bioactives in Human Diseases. 2025 Oct;293-329. doi:10.1007/978-3-032-01356-9_13.

Research Projects

SUSTAINABLE AGRICULTURE (Kitchen Garden in the hostel campus)

The kitchen garden in the hostel campus promotes sustainable agriculture by encouraging the cultivation of fresh vegetables and plants using eco-friendly practices. It supports environmental conservation, enhances biodiversity, and creates awareness about sustainable food production among students. The initiative also reduces the environmental impact associated with food transportation and promotes healthy living. Through this practice, JSS Medical College reinforces its commitment to SDG 13 – Climate Action by encouraging sustainable resource use and environmental stewardship



Water Observation Community

Regular water and conducted on college, and by the team Department of Medicine.

Sanitation by the Medicine team.

assessments of sanitation are the hospital, hostel premises from the Community

The hospital and college premises have well-established water disinfection and RO facilities. Water is treated with liquid chlorine using a 12% Sodium Hypochlorite solution.



Label with tank capacity and dates of storage tank cleaning.



Chlorination Pump

World Hand Hygiene Day 2026

As part of its commitment to promoting sanitation, hygiene, and infection prevention, JSS Hospital observed World Hand Hygiene Day on 5 May 2026**,** organized by the Infection Prevention and Control Committee (IPCC**)** in association with the Department of Microbiology and the Special Interest Group

(SIG): Building Healthcare Resilience for Combating Hospital-Acquired Infections**.** The program aligned with the World Health Organization's *"Save Lives: Clean Your Hands"* campaign and aimed to reinforce effective hand hygiene practices among healthcare professionals while strengthening the institution's commitment to patient safety and infection prevention. The event featured awareness sessions on WHO-recommended hand hygiene guidelines, reinforced the 'Five Moments for Hand Hygiene', recognized hospital departments demonstrating exemplary hand hygiene compliance, and emphasized the critical role of hand hygiene in reducing healthcare-associated infections. The program also promoted a culture of patient safety and institutional excellence in infection prevention and control, directly contributing to the objectives of SDG 6: Clean Water and Sanitation, particularly Target 6.2 on improving hygiene practices.





Foundation Course – Biomedical Waste Management and Hand Hygiene

As part of the Foundation Course held on 3 October 2025, the Department of Microbiology organized orientation sessions on Biomedical Waste Management and Hand Hygiene to instill essential infection-prevention and patient-safety practices among newly admitted medical students. The sessions provided comprehensive training on the Biomedical Waste Management Rules, 2016**,** emphasizing the importance of color-coded segregation, safe handling and disposal of biomedical waste, and compliance with statutory guidelines. Participants were also sensitized to the WHO Hand Hygiene Guidelines**,** including the importance of hand hygiene in preventing healthcare-associated infections. Additional topics included needle-stick injury prevention**,** occupational exposure risks, and post-exposure prophylaxis (PEP) protocols, equipping students with the knowledge and skills required to maintain a safe healthcare environment. Through this initiative, the institution reinforced responsible waste management practices and promoted a culture of hygiene and infection prevention, contributing to the achievement of SDG 6: Clean Water and Sanitation, particularly Targets 6.2 (sanitation and hygiene) and 6.3 (reducing pollution through safe waste management)**.**



Gamified Hand Hygiene Education

As part of its innovative teaching initiatives during the 2025 academic year, the Department of Microbiology introduced gamified hand hygiene education to promote infection prevention and improve students' understanding of hygiene practices. The department developed creative educational tools, including hand hygiene poems and other gamified learning resources, to make learning interactive, engaging, and memorable. These innovative approaches enhanced students' awareness of proper hand hygiene practices, reinforced the importance of infection prevention and control, and encouraged long-term retention of essential public health concepts. By integrating active learning methodologies into microbiology education, the department fostered behavioral change and strengthened students' commitment to safe healthcare practices, thereby contributing to SDG 6: Clean Water and Sanitation, particularly Target 6.2, which promotes adequate sanitation and hygiene for all.

Plastics Policy:

JSS AHER has adopted a Plastic Policy to protect the environment by minimizing plastic use on campus. The institution is committed to minimizing plastic waste and promoting a clean, healthy and sustainable environment by reducing the use of single-use plastics and encouraging environmentally responsible practices.

The main aim of the policy is:
1. Minimize the use of plastic on campus by auditing & setting standards, i.e., banning plastic less than 50 microns & use of only recyclable plastic on campus.
2. Encourage innovative recycling methods for recycling & work with the stakeholders to develop capability & capacity for recycling of plastic. Work in partnership with research bodies, universities, suppliers & other stakeholders to meet these policy objectives.
3. Maintaining the housekeeping standards at the campus to address plastic litter. Ensure proper segregation & collection of plastic waste.
4. Expanding the campaign by promoting the plastic hazard program to promote awareness programs about the minimization of use of plastic on the campus.
5. Support & encourage staff, students and the community to remove plastic waste from the environment.
6. The policy mainly relates to Swatchh Bharat Mission (Urban) guidelines, Govt. of India &

National conservation strategy and policy statement on environment and development.

Plastic Free Campus



Signage - Ban on use of plastics inside the JSS AHER campus premises

NSS – Swachhatha Abhiyana: 10-01-2026

Swachhatha Abhiyana was organized by Mysuru City Corporation at Kukkarahalli Kere on the eve of “Swatch Sarvekshan 2025-26” on 10-01-2026. The event aimed at promoting hygiene and environmental awareness among the general public. The event commenced at 7:00 am and saw enthusiastic participation from >300 students eager to contribute to this noble cause. From JSS MC, 15 medical students joined the event.

Throughout the morning, the students collected and filled numerous garbage bags, clearing the area of plastic waste, wrappers, and other debris. This hands-on experience not only enhanced the students' understanding of the importance of cleanliness but also highlighted the significant impact collective action can have on maintaining a sustainable environment.

The drive concluded with a brief reflection session, during which participants shared their experiences and discussed the need for continued efforts to promote cleanliness. This NSS initiative aligns with the broader goals of the Swachh Bharat mission, inspiring future generations to prioritize cleanliness and environmental stewardship. The event was a resounding success, leaving a lasting impression on both the students and the community.

The event was coordinated by Dr Manu G, NSS Program Officer, JSSMC, Mysuru.









Biomedical Waste Management









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Lecture series on Disposal of Biomedical Waste & Hazardous materials.

The series of sessions commenced with Dr. Preethika Ravi, Senior Resident in the Department of Microbiology, who delivered an insightful overview of biosafety. She explained the objectives of biosafety, containment principles, risk groups, hazardous procedures, and the four biosafety levels. She further discussed biomedical waste categories, the consequences of improper disposal, the color-coded segregation system mandated under the Biomedical Waste Management Rules, 2016, and commonly used waste management methods.

The next session, by Dr. Arun M., Professor in the Department of Forensic Medicine and Toxicology, focused on Reflective Writing. Through an activity-based approach, he explained the concept, layers, levels, and models of reflection. He highlighted its role in enhancing clinical reasoning, bridging theory and practice, improving patient care, and fostering lifelong learning.
Sri S. R. Satish Chandra, Administrative Officer, JSS Medical College, delivered a motivating talk on Positive Attitude, emphasizing optimism, resilience, adaptability, and effective stress management.

This was followed by Dr. Sujatha S R, Assistant Professor, Department of Microbiology, who detailed hand hygiene practices, WHO guidelines, needle-stick injuries, occupational exposure risks, and post-exposure prophylaxis recommendations.

The day concluded with Kannada language learning by Dr. Bheemaraju Eeregowda, Assistant Professor, School of Life Sciences, JSSAHER, who introduced essential vocabulary and encouraged interactive peer learning.



Biosafety Institutional Committee (IBSC)

In accordance with the Rules for the use and storage of hazardous microorganisms/ genetically engineered organism/plants/cells, Government of India, under the Environment Protection Act, 1986, has enforced rules and regulations on the biosafety and biocontainment of hazardous, recombinant DNA, synthetic nucleic acids, and use of hazardous biomaterials of any kind. Under the guidelines of this Act, JSS Academy of Higher Education & Research, Mysuru, has constituted an Institutional Biosafety Committee (IBSC) in accordance with the DBT guidelines of the Government of India.

Mission

The primary mission of the IBSC is to ensure the safety of faculty and researchers involved in biological research at our institute, and to protect the general public and the environment from the adverse consequences of the proposed research.

Purpose of IBSC

The IBSC is responsible for reviewing projects that involve, but are not limited to, recombinant DNA, RNAi, pathogens, human materials (specimen repositories) and other potentially infectious materials, as well as transgenic animals, genetically modified plants and seeds, CRISPR and Gene knockouts, and bacterial- and viral vector-based transfections. The IBSC provides recommendations for controlling biohazards associated with the use of microbiological agents, their vectors, and related research.

The IBSC will determine approval or make recommendations regarding the proposed experiments by reviewing the application submitted by the principal investigator, along with supporting materials. This review and oversight involve independent assessment of the proposed biosafety containment level for the work and, through coordination with the biological safety officer, assessment of the facilities, procedures, practices, training, and expertise of the personnel involved in the research.

Specifically, the IBSC will review research proposals with the following potentially hazardous biological agents and experiments

Infrastructure

Center for Experimental Pharmacology and Toxicology, JSS Academy of Higher Education & Research (JSS AHER) has endowed an extensive ABSL2 preclinical facility “Center for Experimental Pharmacology and Toxicology” to support the comprehensive research activities of its constituent colleges (medical, dental, pharmacy, life sciences) and departments. The facility is licensed (261/PO/ReBi/S/2000/CPCSEA) by the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA), Government of India, to conduct experiments on small-animal models and to breed for in-house use. The vivarium is located in a serene, peaceful setting on the University campus. A built space of 7000 sq ft primarily comprises a rodent barrier facility, small-animal clinicopathology labs, and supportive suites. The animal facility plant is built in compliance with the guidelines of the National Institutes of Health (NIH), USA, and CPCSEA, Government of India

Physical Plant

• PT is a BSLII barrier facility with dual corridors, temperature, humidity, light, noise, and differential air pressure monitored 24X7
• Epoxy terrazzo-coated floor, concrete masonry walls, and moisture-resistant ceilings
• Facility is provisioned with isolated ventilated cages
• Clinicopathology, test item control office, archive on site

Animal care is monitored on a daily basis including weekends and holidays

• Health monitoring within the animal facilities is ensured through a sentinel program, supplier reports, and environmental testing by trained veterinarians
• Sterilised Bedding, food, and portable mineral water
• Consistent healthcare from study initiation to study completion
• Practice in force on humane endpoints policy to minimize pain and discomfort

Experience with and equipped to conduct studies in a wide array of species

• Rat
• Mouse
• Rabbit
• Guinea Pig

Scientific services- With cutting-edge technologies in scientific research along with a wide range of experienced professionals, CPT alliances with its partners to bring forth an endless variety of disease models and preclinical services in the following areas- Pharmaceuticals, Medical devices, Agrochemicals and Pesticides, Food products and Nutraceuticals, Folklore Remedies

Collaborations

International

• NIAAA, NIH, USA
• Macquarie University, Australia
• Sultan Qaboos University, Oman
• University of Saskatchewan, Canada
• Seton Hall University, USA
• University of Johannesburg

National

• CSIR Central Food Technological Research Institute, Mysuru
• CSIRIITR, Lucknow
• IIT, Madras
• Department of Chemistry, University of Delhi
• National Institute of Mental Health and Neurosciences (NIMHANS), Bangalore
• Birla Institute of Technology and Science, Hyderabad
• Annamalai University, Tamil Nadu

Animal House facilities



Plants on the campus





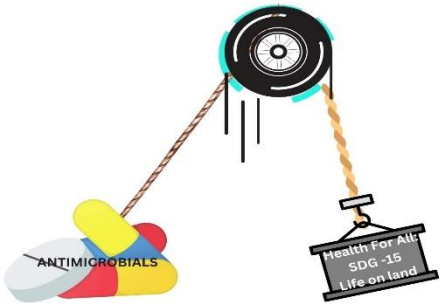
Related Activities Conducted
AMR Awareness Week (18th–23rd November 2024)

Antimicrobial resistance (AMR) has become a significant global health challenge, requiring urgent attention to promote rational antibiotic use. JSS Medical College and Hospital for AMSP actively contributed to AMR Awareness Week (18th–23rd November 2024) by organizing a series of innovative, interactive activities, including games, talks, and training sessions, to educate diverse groups about the irrational use of antimicrobials and strategies to mitigate AMR. The initiatives targeted healthcare professionals, students, and the community to raise awareness of antimicrobial resistance and enhance understanding of prudent antimicrobial use, particularly in clinical and community settings, using a One Health approach.









Innovative Teaching for Antimicrobial Stewardship (2026)

The Department of Microbiology adopted innovative gamified and origami-based teaching methodologies to strengthen students' understanding of antimicrobial stewardship and infectious diseases. Interactive educational tools covering MRSA and MSSA infections, enteric fever, acute undifferentiated fever, lower respiratory tract infections, sepsis, and rational antibiotic use enhanced student engagement, diagnostic reasoning, and awareness regarding appropriate antimicrobial use. These initiatives support the One Health approach by promoting responsible antimicrobial practices and awareness of antimicrobial resistance.

Faculty Capacity Building in Antimicrobial Stewardship (20/01/2026)

As part of efforts to strengthen institutional capacity in antimicrobial stewardship and support the One Health approach, four faculty members from the Department of Microbiology, JSS Medical College, Mysuru—Dr. Sowmya G.S., Professor; Dr. Raghavendra Rao, Professor; Dr. Vidyavathi B.C., Associate Professor; and Dr. Neetha S. Murthy, Assistant Professor—successfully completed the Stanford Medicine Antimicrobial Stewardship Course on 20 January 2026. The program enhanced faculty expertise in the judicious use of antimicrobials, antimicrobial resistance surveillance, infection prevention, and evidence-based stewardship practices, thereby contributing to responsible management of microbial ecosystems and supporting the One Health principles.



Sustainable Development Goal 15 strives to ensure the protection, restoration, and sustainable utilization of terrestrial ecosystems, including the responsible management of forests, the fight against desertification, the reversal of land degradation, and the preservation of biodiversity. Preserving the variety of life on land necessitates targeted endeavors to conserve, restore, and sustainably utilize terrestrial and other ecosystems. Goal 15 focuses on sustainable forest management, land restoration, desertification control, the reduction of degraded habitats, and the cessation of biodiversity loss. Collectively, these efforts aim to secure the long-term benefits of land-based ecosystems, including sustainable livelihoods, for future generations.

The nine outcome targets include conserving and restoring terrestrial and freshwater ecosystems, ending deforestation and restoring degraded forests, combatting desertification and restoring degraded land, ensuring the conservation of mountain ecosystems, protecting biodiversity and natural habitats, safeguarding access to genetic resources and ensuring fair sharing of benefits, eliminating poaching and trafficking of protected species, preventing the invasion of alien species in terrestrial and aquatic ecosystems, and integrating ecosystem and biodiversity considerations in governmental planning.

The three means of achieving targets involve increasing financial resources for the conservation and sustainable use of ecosystems and biodiversity, providing financial incentives for sustainable forest management, and combating global poaching and trafficking.

Human beings rely on the Earth and the oceans for their existence. This goal aims to establish sustainable livelihoods that can be enjoyed by future generations. Plant life, which constitutes 80% of the human diet, is a crucial economic resource through agriculture. Forests, covering 30% of the Earth's surface, provide essential habitats for countless species, offer clean air and water, and play a critical role in combating climate change. Terrestrial ecosystems provide various goods, such as raw materials for construction and energy, as well as ecosystem services like carbon capture, soil quality maintenance, habitat provision for biodiversity, water quality regulation, water flow regulation, and erosion control, which reduce the risks of natural disasters and help regulate climate while sustaining agricultural productivity. Preserving these ecosystems significantly supports efforts in climate change mitigation and adaptation. Protecting our land resources must be a top priority to facilitate the transition towards a more sustainable society. It is crucial to adopt an inclusive approach that promotes the conservation and sustainable utilization of biodiversity across different sectors such as agriculture, forestry, fisheries, and tourism. These sectors are interconnected with food security, economic growth, human health, improvements in living conditions, and the enjoyment of a healthy environment. Therefore, the preservation of biodiversity enhances the provision of these vital services.

Land and forests form the bedrock of sustainable development. Forests play a vital role in addressing climate change, safeguarding biodiversity, ensuring food security, and serving as habitats for indigenous communities. These natural reserves are home to over 80% of terrestrial animal, plant, and insect species. Furthermore, approximately 1.6 billion people, including 70 million indigenous individuals, rely on forests for their livelihoods.

Our existence and well-being depend on both land and sea. Plants, which constitute 80% of the human diet, and agriculture, as a significant economic resource, are essential for our sustenance. Forests, covering 30% of the Earth's surface, serve as crucial habitats for millions of species, purvey clean air and water, and play a pivotal role in combatting climate change. Despite the protection of 15% of land, biodiversity remains under threat. Illegal trade has endangered nearly 7,000 species of plants and animals. Wildlife trafficking not only depletes biodiversity but also fosters insecurity, fuels conflicts, and nurtures corruption.

Urgent measures are required to curtail the loss of natural habitats and biodiversity, which are part of our shared heritage and contribute to global food and water security, climate change mitigation and adaptation,

as well as peace and security. Hence, Goal-15 aims to safeguard, restore, and promote sustainable utilization of terrestrial ecosystems, ensure the sustainable management of forests, combat desertification, reverse land degradation, and halt the loss of biodiversity. These efforts are instrumental in fostering the flourishing of life on Earth.

Green campus initiatives

The Institution also has included a subject Environmental Sciences in all courses as stipulated by UGC and organizes Environment Day and Water Day. The Institution believes in preserving traditional medicine and has established medicinal plants garden and promotes eco-friendly cultivation practices by organizing medicinal plants exhibition in JSS Urban Health Centre. To meet the needs and sustainable management of fresh water, the rainwater harvesting, and utilization systems have been established in all the campuses of the university to aid towards the greater objectives of water management and conservation and increasing recharge of groundwater by capturing and storing rainwater, rainwater harvesting from rooftop run-offs and natural water bodies and the community development. The below mentioned models are established in the various buildings based on the size of the building and the extent and topography of the land. • Simple roof water collection systems - Most of the rooftop rainwater harvesting has been completed by constructing five water storage structures with a storage capacity of 1000 m^3. • Land surface catchments – a simple way of collecting rainwater by retaining the flows (including flood flows) of small creeks and streams in small storage reservoirs (on surface or underground) created by low-cost dams • Collection of storm water – The surface runoff collected in storm water ponds/ reservoirs is subject to a wide variety of contaminants and every effort is made to keep these catchments clean.

- Rain water harvesting and retention facility in the campus
- Collection of storm water and every effort is made to keep these catchments clean.
- Save water reminders

Centre For Experimental Pharmacology and Toxicology JSS Academy of Higher Education & Research (JSS AHER). Centre For Experimental Pharmacology and Toxicology JSS Academy of Higher Education & Research (JSS AHER) has endowed an extensive ABSL2 preclinical facility “Centre for Experimental Pharmacology and Toxicology” to support the comprehensive research activities of its constituent colleges (medical, dental, pharmacy, life sciences) and departments. The facility is licensed (261/PO/ReBi/S/2000/CPCSEA) by Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA), Government of India, to conduct experiment on small animal models and breeding for in-house use. The vivarium is in a serene and peaceful ambiance within the University campus. A built space of 7000 sq ft primarily constitutes rodent barrier facility, small animal clinicopathology labs and supportive suites. Animal facility plant is built in compliance with guidelines of National Institutes of Health (NIH), USA and CPCSEA, Govt of India

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• Department of Chemistry, University of Delhi
• National Institute of Mental Health and Neurosciences (NIMHANS), Bangalore
• Birla Institute of Technology and Science, Hyderabad
• Annamalai University, Tamil Nadu

Biochemistry lab



PPE changing rooms



Rodent room



Clean corridor



Cage autoclave



IVC cage





Greenery in campus











Smart Campus Initiatives:

- Replacement of 50% of regular bulbs with LED bulbs
- Landscaping around the college
- Providing water purifiers in every floor of the institution
- Initiation of G health Digital store software

- Installation of two effluent treatment plants
- Software for patient management and payment

Programs aligning to SDG 15

Publications in alignment with Goal 15

1. Koduru Sravani, Ashwin Prabhu, Pallavi Nanaiah, Archana R Naik, Anupama Aradya, Pradeep Chandra K - Animal models in Periodontal research: Insights into disease pathogenesis and therapeutic strategies - RGUHS Journal of Dental Sciences - Jun 2025; 17(2):1-6 ISSN: 0976-9439, National In Alignment with Goal 15

2. Krubaa P, Renuka Sharma, Anitha Subbappa, Swathi Priya AK, Suchitra MR, Parthasarathy S - Evaluating the Effectiveness of Nutraceutical as supportive Therapies in Cancer Treatment - Health Leadership and Quality of life - July 2025; 4():605 ISSN:3008-8488, International In Alignment with Goal 15.

3. Sanjay C J - Burden of 375 diseases and injuries, risk attributable burden of 88 risk factors, and healthy life expectancy in 204 countries and territories, including 660 subnational locations, 1990-2023: a systematic analysis for the Global Burden of Disease study 2023 - Lancet - October 2025 :18(406) 1873-1922 ISSN:0140-6736, International In Alignment with Goal 15.

4. Payal Tripathi, Shubham Patel, Evolina Dutta, Sakshi, Sunila B S, Ganiga Channaiah Shivakumar - The Dentist in palliative care addressing oral health for holistic end of life support - Journal of Pharmacy and Bioallied Sciences - December 2025;17(4)-223-225 ISSN:0975-7406, International In Alignment with Goal 15.

5. Indira M Devarj, Girish MS, Sushma K, Brahmananda Dutta, Kanika S Dhull - Oral Health Status and oral Health related quality of life among children born preterm A cross sectional study - International journal of clinical pediatric Dentistry - December 2025: 18(12)1454-1460 ISSN:0974-7052, International In Alignment with Goal 15.

Programs aligning to SDG 15

Best Out of Waste Competition Conservative Dentistry and Endodontics Day 2026



The judges are reviewing the competition entries to determine and announce the prize winners

The Department of Conservative Dentistry and Endodontics, JSS Dental College and Hospital, organized a “Best Out of Waste” Competition on 25th February 2026 as part of the celebrations of Conservative Dentistry and Endodontics Day (5th March 2026).

Centered on the theme “Minimal Waste, Maximum Restoration!”, the event reflected the core philosophy of conservative dentistry — preserving maximum tooth structure while minimizing unnecessary removal — while also promoting environmental responsibility and sustainability.

The event was hosted by Dr. Suneeth Shetty (Reader), Dr. Sowmya (Senior Lecturer), and Dr. Harini (Tutor) under the guidance of the Head of the Department, Dr. Ashwini T.S. The program was efficiently coordinated by postgraduate students Dr. Deepti, Dr. Gouri, and Dr. Kartik.

A total of 31 teams comprising 2nd, 3rd, and 4th year BDS students participated enthusiastically. Participants showcased exceptional creativity by transforming discarded materials into innovative models, artwork, and functional items, many incorporating dental concepts and conservation principles.

The competition successfully promoted sustainability, innovation, teamwork, and the philosophy of minimal intervention dentistry. The department expresses its sincere gratitude to the management of JSS Dental College and Hospital and JSS Academy of Higher Education & Research for their continued support, and to the Principal, Dr. Dhakshaini M. R., for her guidance and encouragement.

International Yoga Day 2026



JSS Dental College & Hospital, Mysuru, celebrated International Yoga Day 2026 with great enthusiasm on its campus. The programme was organized by the National Service Scheme (NSS) Unit of the institution with the objective of promoting physical fitness, mental well-being, and holistic health among students, faculty members, and non-teaching staff.

The event was graced by Dr. Dhakshaini M. R., Principal, JSS Dental College & Hospital. Speaking on the occasion, Dr. H. P. Jaishankar, Vice Principal, emphasized the importance of incorporating yoga into daily life to achieve physical, mental, and emotional balance. He highlighted the significance of International Yoga Day as a global movement that encourages healthy living and overall wellness.

The yoga session witnessed the participation of 40 students and staff members. The session was conducted by Mr. Maltesh, Dental Hygienist at JSS Dental College & Hospital and a certified yoga and meditation practitioner. He guided the participants through various yoga asanas, pranayama exercises, and meditation techniques, explaining their benefits in improving flexibility, concentration, stress management, and overall health.The programme was coordinated by Dr. Sharath Wodeyar, NSS Programme Officer and Faculty, Department of Periodontology, along with Dr. Alok U. A., Assistant NSS Programme Officer and Faculty, Department of Orthodontics, with valuable support from Dr. Ravi M. B., Faculty, Department of Prosthodontics.

Participants actively engaged in the session and appreciated the initiative, which reinforced the importance of yoga as an effective means of achieving a healthy and balanced lifestyle. The programme concluded with a vote of thanks and a collective pledge to incorporate yoga into daily life for personal well-being and community health

World No Tobacco Day 2026







In observance of World No Tobacco Day 2026, a comprehensive awareness campaign was organized to educate the public about the harmful effects of tobacco use, tobacco smoking, and smokeless tobacco exposure. The campaign benefited more than 250 participants, including schoolchildren, degree college students, and members of the general public

Following the directives of the Government of India and the 2026 campaign theme, “Unmasking the Appeal – Countering Nicotine and Tobacco Addiction,” the Departments of Oral Medicine & Radiology, Periodontics, and Public Health Dentistry, in collaboration with the Tobacco Control and Cessation Centre (TCC), JSS Dental College & Hospital, Mysuru, organized and participated in a series of awareness activities on 31st May 2026

As part of the observance, Dr. Suman Basavaraj, Professor and Head, Department of Periodontics, coordinated with All India Radio (AIR) for a special radio talk. Dr. Avinash B.S. delivered an

informative session on the World No Tobacco Day theme and highlighted the role and services of Tobacco Control and Cessation Centres

Several community outreach activities were conducted in collaboration with the Primary Health Centre (PHC), Suttur, under the coordination of Dr. Poornima S.P., Staff and In-charge, JSS Hospital Dental Unit, Suttur. The programme was graced by Dr. Ramya M., Medical Officer, PHC Suttur, and Mr. Nagaraj, Head Master, Government School, Suttur, as Guests of Honour

A public awareness rally (Jatha) involving government school students, teachers, and ASHA workers was organized to spread awareness about the detrimental effects of tobacco use. A human chain was also formed to convey a strong anti-tobacco message to the public. An educational health talk was delivered emphasizing the adverse health consequences of nicotine addiction. The economic burden imposed on families due to tobacco consumption

Information, Education, and Communication (IEC) materials were procured from the District Health and Family Welfare Office (DHO) and distributed among the public. Oral healthcare products and educational pamphlets promoting tobacco cessation and oral hygiene were also distributed

The programme was conducted under the guidance and support of Dr. Dhakshaini M.R., Principal, JSS Dental College & Hospital, Dr. Karthikeya Patil, Professor and Head, Department of Oral Medicine & Radiology, Dr. Thippeswamy H.M., Professor and Head, Department of Public Health Dentistry, and was coordinated by Dr. Maurya M., Member, Tobacco Control and Cessation Centre (TCC)

The event successfully raised awareness regarding the health risks associated with tobacco use and reinforced the importance of tobacco cessation for a healthier

International Meditation Day



The Department of Periodontology commemorated International Meditation Day on Saturday, 20th December 2025, by organizing a refreshing and meaningful meditation session aimed at promoting mental well-being and mindfulness among staff members.

The session was led by Mr. Maltesh, Dental Hygienist, Department of Periodontology, a trained meditation practitioner. Utilizing singing bowl and rain stick meditation techniques, the session offered a deeply calming and immersive experience to the 30 participants in attendance. The tranquil environment allowed participants to momentarily step away from daily professional pressures and reconnect with themselves.

Through simple explanations and guided practice, Mr. Maltesh highlighted the significance of mindfulness and meditation in enhancing mental clarity, emotional balance, and overall well-being. The session fostered a sense of relaxation, awareness, and inner calm among the participants.

The event was thoughtfully initiated under the guidance of Dr. Suman Basavaraju, Head of the Department of Periodontology, whose vision and leadership played a pivotal role in ensuring the success and impact of the program. The active participation of staff members from various roles further enriched the collective spirit of the event, creating a warm, supportive, and harmonious atmosphere.

Eco club 2025



The Eco Club at JSS Dental College and Hospital (JSSDCH), Mysuru, is a student-driven initiative focused on promoting environmental consciousness, green campus drives, and sustainability. Led by faculty coordinators like Dr. Premalatha B.R. and Dr. Thippeswamy H.M., the club actively engages students in ecological preservation.

Fire Safety Training





Training Program: Fire Safety Training Program (Code Red)
Duration: 2 Days
Dates: July 21, 2025 & July 22, 2025
Venue: Fire Station Mysuru
Training Type: Theory and Hands-on Practical

EXECUTIVE SUMMARY

A comprehensive two-day Fire Safety Training Program was successfully conducted for JSS Dental College & Hospital staff from July 21-22, 2025, at Fire Station Mysuru. The program focused on Code Red emergency response procedures, combining theoretical knowledge with practical hands-on training. A total of 10 staff members participated in the program, representing various departments including maintenance, electrical, and general attendees.

TRAINING PARTICIPANTS

Total Participants: 10 Staff Members

Sl No	Name	Designation	Training Status
01	Mr. Shivarudrappa N	Maintenance Mechanic	Completed
02	Mr. Kishor L	Electrician	Completed
03	Mr. Girisha C	Attender	Completed
04	Mr. Mahadevaswamy S	Attender	Completed
05	Mr. Chethana H N	Attender	Completed
06	Mr. Rajesh M	Attender	Completed
07	Mr. Dinesh V	Attender	Completed
08	Mr. Mahadevaswamy R	Attender	Completed

Sl No	Name	Designation	Training Status
09	Mr. Kiran S	Attender	Completed
10	Mr. Mahesha S	Attender	Completed

TRAINING CURRICULUM

Day 1 (July 21, 2025): Theoretical training covering fire safety fundamentals, Code Red protocols, and emergency procedures.

Day 2 (July 22, 2025): Hands-on practical training including fire extinguisher operation, evacuation drills, and emergency response simulation.

TRAINING OUTCOMES

Knowledge Areas Covered

- **Code Red Protocols:** Understanding of emergency activation and response procedures
- **Fire Prevention:** Identification and mitigation of fire hazards in hospital environment
- **Equipment Usage:** Proper handling and operation of fire safety equipment
- **Emergency Response:** Systematic approach to fire emergency situations
- **Team Coordination:** Effective communication and coordination during emergencies

Skills Developed

- Fire extinguisher operation
- Emergency evacuation leadership
- Code Red activation procedures
- Incident reporting and communication
- Basic fire suppression techniques

CONCLUSION

The two-day Fire Safety Training Program was highly successful, achieving 100% participation and certification rates. All staff members demonstrated excellent understanding of fire safety procedures. The training has significantly enhanced the hospital's emergency response capabilities and strengthened our commitment to patient and staff safety.

JSSCPM

Objectives with regard to achieving SDG-15

1. Alternatives to animal testing
2. Medicinal plants and uses
3. 3R's Principles in research
4. CPCSEA and ICH guidelines for conducting research
5. Green initiatives to save the environment

List of activities planned to achieve the set objectives

1. Conducting awareness programs on green initiatives like rainwater harvesting and use of solar energy
2. **Tree Census Project for Mysuru city**
3. Seminar on alternatives to animal experimentation.
4. Reduce and replace the use of plastics
5. Training students in proper waste disposal practices and sensitizing them on using the services of biomedical disposal certified agencies.
6. Encourage students to plant trees and adopt animals.

Poster competition, essay writing competition, role play on World Environment Day celebration

Plant a sapling on the occasion of World Environment Day celebration

The National Service Scheme (NSS) Unit of JSS College of Pharmacy, Mysuru, organized a Plant Saplings event on the occasion of World Environment Day (5th June 2025), with the theme 'Our Land, Our Future'. The main aim of this occasion was to raise awareness of the growing threat of global warming and to protect our natural world and planet Earth. It is a day that reminds everyone on the planet to get involved in environmentally friendly activities. People come together to pledge to build a greener planet.





Collaborative Tree Census Project – Mysuru

As part of the institution's continued commitment to environmental sustainability, biodiversity conservation, and community engagement, the NSS Unit of JSS College of Pharmacy, Mysuru, undertook a Collaborative Tree Census Project in Mysuru from 12 October 2025 to 1 March 2026, contributing directly to the objectives of United Nations Sustainable Development Goal (SDG) 15 – Life on Land.

The initiative was carried out in collaboration with Dr. Smitha Hegde, Director, Centre for Advanced Learning (CFAL), Mysuru, and Dr. Bhamy Shenoy, Founder, Mysore Grahakara Parishat (MGP). The project was envisioned as a community-oriented environmental initiative to document Mysuru's urban tree wealth, promote awareness of urban biodiversity, strengthen environmental stewardship, and encourage active community participation in the protection and conservation of green spaces.

Through systematic field-based tree documentation, the initiative provided students with an opportunity to engage directly with the local environment and develop a greater understanding of the ecological significance of urban trees. Such activities contribute to the creation of a reliable baseline of urban vegetation while encouraging citizens and students to recognize the importance of trees in supporting biodiversity, enhancing urban ecological resilience, improving environmental quality, and sustaining healthy communities.

The Collaborative Tree Census Project represents a meaningful grassroots contribution to SDG 15 – Life on Land, particularly by promoting urban biodiversity conservation, sustainable management of terrestrial ecosystems, environmental awareness, and community-based

conservation practices. Beyond data collection, the initiative reflects the institution's commitment to translating sustainability goals into practical, student-driven and community-linked action.

The project also demonstrates the value of academic–community collaboration in addressing local environmental priorities. By bringing together students, academic institutions, environmental organizations, and civic stakeholders, the initiative helped foster a culture of environmental responsibility, sustainability, and active citizenship, while reinforcing the importance of collective action in safeguarding Mysuru's urban green heritage for future generations.









Q: Does your College or University support and/or organize events aimed to promote conservation and sustainable utilization of the land, including forests and wild land?

A: Yes. The National Service Scheme (NSS) team and the 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, ensuring sustainable upkeep.

Q: Does your College or University have policies to ensure that food on campus is sustainably farmed?

A: While the institution does not operate at the livestock level, the campus garden team cultivates fruit-bearing trees (jackfruit, mango, banana, coconut, tamarind, bael fruit) and vegetable plants (cucumber, ladies' finger, drumstick, etc.) that yield produce seasonally. These are shared with staff, students, and visitors. The institution is currently developing formal policies to enhance its green initiative in this area.

Q: Does your College or University work directly to maintain and extend existing ecosystems and their biodiversity, especially those under threat?

A: Yes. The Smart Campus Committee has increased the number of trees on campus, which provide shelter to birds, insects, bees, and earthworms. Additionally, the University has eliminated the use of amphibians, rodents, and similar species in undergraduate teaching and demonstration, as part of its commitment to protecting micro and macro-ecological systems.

Q: Does your College or University offer educational programmes on ecosystems (including wild flora and fauna) for local or national communities?

A: Yes. JSSAHER offers a dedicated Master's degree in Environmental Sciences, focusing on areas such as water quality analysis, energy harnessing, air quality, climate change, and green technology, producing skilled professionals for environmental stewardship.

Q: Does your College or University offer educational or outreach programmes on sustainable land management for agriculture and tourism?

A: No.

Q: Does your College or University have a policy to ensure conservation, restoration, and sustainable use of terrestrial ecosystems associated with the institution, in particular forests, mountains, and drylands?

A: The institution is in the process of developing such a policy. In the meantime, it organizes multiple programs promoting conservation, restoration, and sustainable use of terrestrial ecosystems.

Evidence: https://jssuni.edu.in/jssaher/activities-and-events/ActivityAndEventDetail.aspx?NOTICESID=3110

Q: Does your College or University have a policy to identify, monitor, and protect any IUCN Red Listed species or national conservation list species within its areas of operation?

A: No formal policy currently exists. However, the campus was developed on residentially approved land, ensuring no displacement of prominent species or habitats. The institution supports the natural ecosystem through initiatives such as green campus development, a herbal garden, a plastic-free campus, and rainwater harvesting.

Q: Does your College or University include local biodiversity considerations in planning and development processes (e.g., new buildings)?

A: Yes. The Smart Campus Committee ensures local biodiversity is incorporated into planning and development.

Q: Does your College or University have a policy to reduce the impact of alien species on campus?

A: No.

Q: Does your College or University collaborate with the local community in efforts to maintain shared land ecosystems?

A: No.

Q: Does your College or University have water quality standards and guidelines for water discharges to protect ecosystems, wildlife, and human health?

A: Yes. An Effluent Treatment Plant (ETP) is under construction to treat waste from chemical and biological laboratories separately before release into municipal drainage. Domestic wastewater will also be treated in the ETP, and the treated water will be reused for gardening, ensuring environmental safety.

Q: Does your College or University have a policy on reducing plastic waste on campus?

A: Yes. The Smart Campus and Herbal Garden Committees have implemented measures to reduce plastic usage, such as:

- Restricting plastic water bottles and files, and promoting paperless communication
- Minimizing e-waste such as CD-ROMs
- Using biodegradable plates and cups in events
- Replacing plastic-wrapped floral bouquets with sapling distributions
- Distributing jute bags during functions

The campus aims to become a fully plastic-free zone in a phased manner.

Q: Does your College or University have a policy, process, or practice on hazardous waste disposal?

A: Yes. The institution has a dedicated policy for disposing of hazardous waste, including biowaste, carcinogens, construction materials, and e-waste.

Policy Link: **https://jssuni.edu.in/jssaher/jssaher-infra/biomedical-waste-management/biomedical-waste-management-home.html**

JSSCPO

ABOUT SDG 15- LIFE ON LAND

Sustainable Development Goal 15 (SDG 15), also known as "Life on Land," is one of the 17 global goals established by the United Nations in 2015, alongside other vital resources such as water. Its core aim is to protect, restore, and promote the sustainable use of terrestrial ecosystems; sustainably manage forests; combat desertification; halt and reverse land degradation; and stop biodiversity loss. This goal features 12 targets to be met by 2030, with progress tracked through 14 specific indicators.

The nine outcome-focused targets include conserving and restoring terrestrial and freshwater ecosystems, ending deforestation and rehabilitating degraded forests, halting desertification and land degradation, ensuring the protection of mountain ecosystems, safeguarding biodiversity and natural habitats, promoting equitable benefit-sharing from genetic resources, fighting poaching and illegal trafficking of protected species, preventing the spread of invasive alien species in ecosystems, and incorporating ecosystem and biodiversity concerns into government policies. The three implementation targets focus on boosting financial support for ecosystem and biodiversity conservation, encouraging sustainable forest management, and addressing global poaching and trafficking.

By committing to these targets, we can help ensure a sustainable and flourishing terrestrial environment for current and future generations.



OUR INITIATIVES FOR LIFE ON LAND (SDG 15)

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. Our campus is rich in greenery, featuring seasonal trees and regularly maintained gardens to ensure a clean and orderly environment. The progress toward achieving the targets of SDG 15 is measured through several indicators:

- Research on land ecosystems
- Supporting land ecosystems through education
- Supporting land ecosystems through action
- Land sensitive waste disposal

Research on land ecosystems

JSS College of Pharmacy, Ooty, actively conducts interdisciplinary research supporting biodiversity conservation, sustainable resource utilization, environmental sustainability, and medicinal plant research. The institution undertakes externally funded projects, international

collaborations, and high-impact publications addressing terrestrial ecosystem conservation and sustainable healthcare. Notable initiatives include the SPARC Phase II international project, *"Plastics and People: Human Health Implications of Microplastics in the Environment,"* in collaboration with the University of Newcastle, Australia, and research on sustainable pharmaceutical packaging. The institution has also published research on the neuroprotective potential of medicinal plants, highlighting the importance of conserving plant biodiversity and promoting evidence-based herbal medicine, thereby contributing to the objectives of SDG 15 – Life on Land.

Publication

Saravanan S, Malligarjunan N, Subramanian G. Exploring phytomedicine's potential in managing Parkinson's disease: unveiling neuroprotective compounds from medicinal plants.

1. Pachiyappan JK, Marimuthu A, Natarajan J, Krishnamurthy PT, Palanisami T, Kuppusamy G, Karuppasamy PK. Hidden pathways: Detection and quantification of microplastics across treatment stages of pharmaceutical WWTPs. Journal of Hazardous Materials. 2026, 512, 142338
2. Kuttykattil A, Kumar SB, Pachiyappan JK, Chandrasekar S, Raja S, Selvakumar R, Kuppusamy G, Palanisami T. Molecular interactions and dynamics of microplastics in indoor dust with lung-inflammatory receptors: A study in academic settings. Journal of Environmental Sciences. 2026, 161, 384-390 (2026).
3. Kannan E, Logesh L, Priyadharshini S. Evaluation of Anti-Asthmatic Potential of *Emblica Officinalis* Seed Extract in RAW 264.7 Cell Lines. Asian Journal of Green chemistry. 2026, 10, 565-588.

15.2.1 Events for conservation & sustainable land use

The campus promotes green resilience and operates as a plastic-free environment. Spanning 6.45 acres, the JSS College of Pharmacy, Ooty, has 36,032 square meters covered by buildings. While our infrastructure supports a high standard of academic education within a clean, safe, and comfortable setting, the college has also been proactive since its establishment in developing a state-of-the-art SMART campus.

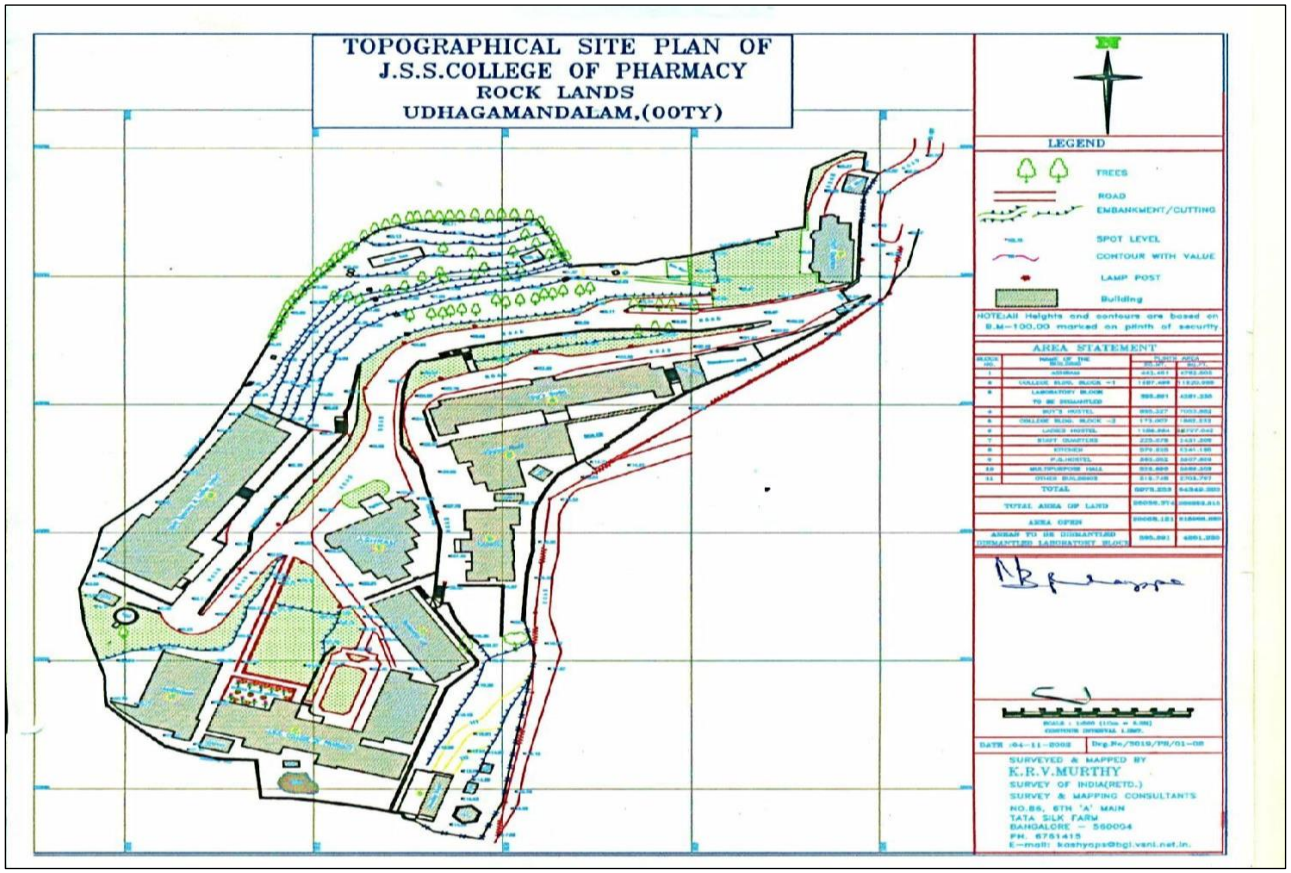



JSS ACADEMY OF HIGHER EDUCATION & RESEARCH
Drive Safely
Clean, Green Plastic Free Campus
Prohibited
Follow



Green Cover in Campus

SMART CAMPUS COMMITTEE- https://jssuni.edu.in/jssaher/college-of-pharmacy-ooty/smart-campus.html



Topographical Map of Green cover in the campus

As per the Policy of Nilgiris District, expansion of Buildings is planned in accordance with Ministry of Forestry and HADP of Nilgiris and prior permission is taken for the same.

The government policy on this is as follows- https://nilgiris.nic.in/plastic-free-nilgiris/#introduction

Medicinal Plants and Trees in Campus

In our college, biodiversity conservation efforts are integrated into our practices to raise awareness among students. Green spaces and native medicinal plants are maintained on campus to support local flora and fauna. Sustainable practices are embraced, promoting recycling and responsible waste management. 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.



showcased the therapeutic importance, conservation, and awareness among students, researchers, healthcare institution secured 21 prizes for its exhibits and attracted herbal products, including eucalyptus oil and gaultheria oil, ₹3.05 lakh. These initiatives strengthened public biodiversity, and sustainable utilization of natural commitment to SDG 15 – Life on Land..

JSS College of Pharmacy, Ooty, through TIFAC-CORE in Herbal Drugs and the Department of Pharmacognosy, actively promotes biodiversity conservation and the sustainable use of medicinal plants by organizing Medicinal Plants Exhibitions during the 128th Flower Show and Rose Show held at the Government Botanical Garden and Government Rose Garden, Ooty, in May 2026. The exhibitions sustainable utilization of medicinal plants, creating professionals, tourists, and the general public. The over 20,000 visitors. In addition, value-added were displayed and sold, generating approximately awareness of medicinal plant conservation, herbal resources while reinforcing the institution's







15.2.3 Maintain/extend ecosystems & biodiversity

The NSS Unit of JSS College of Pharmacy, Ooty, organized a seven-day Special Camp from **29 March to 4 April 2026** at the tribal villages of Thengumarahada, Alimayar, and Kallampalayam to promote environmental conservation and sustainable land use. NSS volunteers undertook plantation activities, removal of weeds and thorny bushes, and cleaning of public spaces, riverbanks, and water channels to support ecosystem restoration. The camp also included interactions with Forest Department officials and biodiversity experts, along with environmental awareness programmes for tribal communities.

































TRIO Celebrations

JSSCPO organized the “Trio Celebrations” on 20th Sep 2025 to mark three important occasions: the 110th Jayanthi of Jagadguru Dr. Sri Shivarathri Rajendra Mahaswamiji (29th Aug 2025), Teachers’ Day (5th Sep 2025) and World Pharmacists Day (25th Sep 2025). The program included cultural, academic, and community-oriented activities involving staff, students, alumni, and stakeholders.

Sustainability & Social Outreach

- Sapling plantation within the campus
- Blood donation: 25 units collected
- Support activities for differently-abled children and an orphanage
- Stationery distribution to the adopted tribal school
- Initiation of the 5th National Pharmacovigilance Week lecture series









Celebration of World Vultures Day:

On the occasion of World Vultures Day (19 July 2025), the NSS Unit of JSS College of Pharmacy, Ooty, in collaboration with the Singara Forest Range, organized a mass plastic removal and cleaning drive along the forest stretch from Kallatti to Masinagudi–Moyar. Around 40 NSS volunteers collected nearly 100 bags of plastic waste and bottles, creating awareness among tourists on maintaining a plastic-free Nilgiris.



Forest officials emphasized the importance of protecting wildlife and forest ecosystems from plastic pollution. This initiative promoted environmental conservation, reduced plastic contamination in terrestrial ecosystems, and reinforced the institution's commitment to biodiversity conservation and SDG 15 – Life onLand.









Special Camp:

On 1 April 2026, as part of the NSS Special Camp, volunteers undertook environmental conservation activities including cleaning riverbanks, removing weeds and thorny bushes across nearly 10 hectares in collaboration with Forest Department officials, and carrying out plantation activities to enhance vegetation for wildlife. The volunteers also cleaned the Primary Health Centre and nearby temple premises, contributing to ecosystem restoration and improved environmental hygiene. These initiatives promoted biodiversity conservation, sustainable land management, and community participation, supporting the objectives of SDG 15 – Life on Land.







Distribution of Water dispenser to the Trible School at Devala:

On 12 September 2025, the NSS Unit of JSS College of Pharmacy, Ooty, in collaboration with the Alumni Association, donated a water dispenser to the Government Tribal Residential School, Devala, to promote access to safe drinking water and improve environmental health. As part of the programme, a tree plantation drive was organized within the school campus to enhance green cover and promote environmental awareness among students and the local community. Conducted during the 110th Jayanthi celebrations of His Holiness Sri Rajendra Swamiji, the initiative reflected the institution's commitment to sustainable community development and biodiversity conservation in alignment with SDG 15 – Life on Land.















ra s

dicinal plant garden, Dept. of Pharmacognosy. we have academic programmes which promotes the conservation of plants and land. At Undergraduate level in B Pharm prescribed by Pharmacy Council of India– Environmental Sciences Subject is taught for conservation of land. Screenshot of it is below and syllabus is attached.

Dept. of Pharmacognosy

- To establish QR-enabled medicinal plant garden that provide students and visitors with instant access to educational content through mobile devices.

- ❖ Strengthen the Centre of Excellence in Isolation Technology by enhancing analytical capabilities and promoting consultancy and revenue-generating activities.

'Prakriti' - dedicated Green Club, one of 7 official IQAC-coordinated student clubs with elected Secretary/Joint Secretary

Student Clubs

JSS College of Pharmacy, Ooty, promotes ecosystem education and biodiversity conservation through structured academic and co-curricular initiatives. The Department of Pharmacognosy has planned the establishment of a **QR-enabled Medicinal Plant Garden**, enabling students and visitors to access digital information on medicinal plants, their therapeutic uses, conservation status, and sustainable utilization through mobile devices. To further strengthen environmental education, the institution established **'Prakriti' (Green Club)** as one of the seven IQAC-coordinated student clubs, providing a platform for student-led activities on environmental conservation and sustainable practices. The Green Club was officially inaugurated during the **64th National Pharmacy Week Celebrations (January 2026)**, reinforcing the institution's commitment to promoting biodiversity awareness, ecosystem conservation, and environmental stewardship among students and the wider community. Green Club listed among 7 student clubs launched at National Pharmacy Week 2026





Environmental Sciences and Pharmacognosy

JSS College of Pharmacy, Ooty, integrates ecosystem conservation, biodiversity, environmental sustainability, and the sustainable utilization of medicinal plants into its academic curriculum through undergraduate and postgraduate programmes. Courses such as Environmental Sciences

and Pharmacognosy provide students with theoretical knowledge and practical exposure to biodiversity conservation, medicinal plant identification, sustainable harvesting, natural resource management, and ecosystem protection. The curriculum is further strengthened through field visits, medicinal plant garden activities, and hands-on learning, enabling students to understand the ecological significance of medicinal plants and the importance of conserving terrestrial ecosystems in alignment with SDG 15 – Life on Land.

Detailed Syllabus:

Unit No.	Topics	No. of Lectures
I	**Environmental Pollution** • Definition, scope, and importance of environmental studies • Types, causes, effects, and control measures of Air, water, soil, noise, and nuclear pollution • Solid waste and hazardous waste management in pharmaceuticals • Role of pharmacists in conservation and sustainable use of resources	3 Hours
II	**Pharmaceutical Waste and Effluent Management** • Types of pharmaceutical waste: chemical, expired drugs, packaging, biomedical waste • Biomedical Waste Management Rules (2016) and CPCB guidelines • Effluent Treatment Plant (ETP) design and functioning • Water purification methods in pharmaceutical settings (RO, UV, distillation, filtration)	3 Hours
III	**Environmental Impact of the Pharmaceutical Industry** • Sources of pollution in pharmaceutical manufacturing • Types of pharmaceutical waste: solid, liquid, and gaseous • Environmental risks of active pharmaceutical ingredients (APIs) and its dosage forms. Impact of pharmaceutical residues on ecosystems and human health	3 Hours
IV	**Sustainability in the Pharmaceutical Sector** • Principles of sustainable development in pharma • Principles and Practices of Green pharmacy • Energy conservation and resource optimization.	3 Hours
V	**Government Policies, Compliance, and Practical Exposure** • Environmental laws: o Environment (Protection) Act, 1986 o Water (Prevention and Control of Pollution) Act • National Green Tribunal (NGT) and regulatory bodies (CPCB, SPCB) • Government initiatives: o Swachh Bharat Abhiyan o River rejuvenation program- Namami Gange Programme o Jal Jeevan Mission • ISO-14000	3 Hours
Recommended References *(Preferably latest editions)*: 1. Bharucha, E. *Environmental Studies*. University Grants Commission, New Delhi. 2. Rajagopalan, R. *Environmental Studies*. Oxford University Press. 3. Joseph, B. *Environmental Studies*. Tata McGraw Hill.		

Course Code	Course Title			Course Type
BP302T	**Environmental Sciences (Theory)**			Core
Credit	Hours Per Week (L-T-P)			Max. Hours
	L	T	P	
1	1	--	--	15
Maximum Marks	SE			ESE
50	20			30

COURSE OBJECTIVES:

The objectives of this course are to:

1. Explain the environmental challenges and disaster risks relevant to human health and pharmaceutical activities.
2. Demonstrate knowledge of waste management protocols and legal guidelines for pharmaceutical and biomedical waste handling.
3. Apply technical understanding of effluent and sewage treatment technologies used in the pharmaceutical sector.
4. Assess the ecological impact of APIs and recommend mitigation strategies for pollution control.
5. Explain sustainable practices and energy-efficient operations within pharmaceutical industries.

COURSE OUTCOMES (CO):

CO No.	Upon successful completion of this course, the students will be able to
1	Understand the basic concepts of environmental pollution, its types, causes, and disaster management strategies.
2	Identify and categorize different types of pharmaceutical and biomedical waste generated in the healthcare and pharmaceutical sectors.
3	Describe the design and operation of Effluent Treatment Plants (ETPs), Sewage

Course Code	Course Title			Course Type
BP708T AEC5	**Transformation of Food Waste into Medicinal Products (Theory)**			Elective
Credit	Hours Per Week (L-T-P)			Max. Hours
	L	T	P	
1	1	--	--	15
Maximum Marks	SE			ESE
50	20			30

COURSE OBJECTIVES:

The objectives of this course are to:

1. Explain the sources, environmental impacts, and regulatory aspects of food waste.
2. Describe sustainable principles and technologies used in food waste management.
3. Explore methods for converting food waste into value-added products.
4. Discuss the recovery of bioactive compounds from food waste and their potential applications.
5. Introduce the use of artificial intelligence and digital technologies in food waste management and resource optimization.

COURSE OUTCOMES (CO):

CO No.	Upon successful completion of this course, the students will be able to
1	Identify types, sources, impacts, and regulations related to food waste.
2	Apply principles and sustainable technologies for effective food waste management.
3	Explain the conversion of food waste into biofuels, biopolymers, and other value-added products.
4	Assess bioactive compounds derived from food waste and their industrial and health applications.
5	Understand the role of AI, IoT, and blockchain in smart food waste management systems.

Interactive session with the Biodiversity Conservation Trust

On 2 April 2026, during the NSS Special Camp at Kallampalayam village, volunteers participated in environmental conservation activities, including cleaning public areas and removing weeds and thorny bushes. They attended an interactive session conducted by the Biodiversity Conservation Trust, where experts highlighted the importance of biodiversity conservation, ecosystem restoration, and wildlife habitat management. Volunteers also collected seeds and leaves of native plant species such as soap nut, Seemai Karuvelam, and Albizia to understand their ecological significance. On 3 April 2026 [illegible] undertook environmental conservation activities including cleaning temple premises, nearby public a[illegible]d thorny bushes to improve the local environment. They interacted with tribal communities to underst[illegible]mental practices, while discussions with Forest Department officials provided insights into the region'[illegible]nd ecosystem conservation. These activities enhanced environmental awareness, promoted comm[illegible]olunteers' understanding of biodiversity conservation and sustainable management of terrestrial ecos[illegible]**15 – Life on Land**.





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cal College PG students on herbal drug standardization

[illegible] JSS Ayurveda Medical College (JSSAMC), Mysuru,

Hands-on Training Programme on Physicochemical and Phytochemical Analysis

A team comprising two faculty members and nine Postgraduate students from the Dept. of PG Studies in Dravyaguna, JSS Ayurveda Medical College, Mysuru, participated in a Hands-on Training Programme on Physicochemical and Phytochemical Analysis conducted at TIFAC centre

and Dept. of Pharmacognosy and Phytopharmacy from 02 to 11 March 2026 with the objective of imparting practical knowledge and technical skills in the standardization and quality evaluation of herbal drugs. The participants received hands-on exposure to various physicochemical analyses, including determination of moisture content, ash values, extractive values, and other quality control parameters. Training was also provided on preliminary phytochemical screening methods for the identification of important phytoconstituents present in medicinal plants and herbal formulations.

The programme included laboratory demonstrations, practical sessions, data interpretation, and discussions on standard operating procedures followed in herbal drug research. The participants gained valuable experience in analytical techniques and quality assessment methodologies that are essential for research and development in traditional medicine and herbal sciences.

The training programme was successfully completed, and the participants expressed their appreciation for the excellent laboratory facilities, expert guidance, and practical learning opportunities provided. The programme contributed significantly to enhancing the research capabilities and technical competencies of the participating faculty members and students.





One-day training for Sona College of Arts & Science students on herbal standardization

b. One-Day Specialized Training Programme Report

Successfully organized a one-day specialized training programme on **14 Feb 2026** for **26 students from Sona College of Arts and Science, Salem** with the objective of providing comprehensive exposure to **Phyto-pharmacy, Biotechnology, and Herbal Standardization,** while strengthening practical laboratory skills and enhancing students' understanding of herbal drug research. The participants gained hands-on experience with advanced analytical instruments and laboratory techniques employed in the extraction, isolation, and characterization of phyto-constituents from medicinal plants. The **Phyto-pharmacy** module introduced students to herbal drug formulation techniques, pharmacognostic evaluation methods, and phyto-chemical screening procedures essential for the study and development of medicinal plant-based products.

The **Biotechnology** segment provided practical training by Dr.R.Rajesh Kumar, Associate Professor, Department of Pharmaceutical Biotechnology in plant tissue culture techniques, microbial contamination analysis, and DNA bar-coding methods followed by the pharmacology training by Dr.R.Vadevelan, Professor of the pharmacology department. The session highlighted the significance of biotechnological tools in ensuring the quality, authenticity, and purity of herbal raw materials and finished products. Under the **Herbal Standardization** component, students were trained in quality control parameters, chromatographic fingerprinting techniques such as **High-Performance Liquid Chromatography (HPLC),** and regulatory requirements in accordance with **AYUSH guidelines.** The session emphasized the importance of standardization in maintaining the safety, efficacy, and consistency of herbal medicines.

The programme significantly enhanced participants' knowledge of contemporary herbal drug research, quality assurance practices, and emerging technologies in natural product sciences. It fostered scientific curiosity, encouraged research-oriented learning, and motivated students to explore higher studies and career opportunities in herbal medicine, phytopharmaceutical sciences, biotechnology, and traditional healthcare systems.

Overall, the training programme served as a valuable platform for knowledge exchange and skill development, providing students with practical insights into modern herbal drug discovery, development, and standardization processes.



15.3.1 Policy - conservation/sustainable use of land

ISO 14001:2015 (EMS) & ISO 50001 (Energy Mgmt) Surveillance Audit-II, 7 May 2026, conducted by IRQS

ISO Audit

The ISO Surveillance Audit - II (External) for ISO 14001: Environmental Management System (EMS) and ISO 50001: Energy Management System (EnMS) were successfully conducted on 7th May 2026 by Mr. R. Rajagopal, Auditor for ISO 50001 (EnMS), and Mr. Muthu Kumaravel, Auditor for ISO 14001 (EMS) from Indian Register Quality Systems (IRQS). The auditors evaluated the implementation and effectiveness of the Environmental and Energy Management Systems, reviewed the relevant documentation, interacted with faculty and staff, and verified compliance with the ISO standards. The audit was coordinated by Dr. Vadiraj K. T., Assistant Professor, and concluded successfully, reaffirming the institution's commitment to continual improvement and sustainable practices.





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0422 2404617
Email: info@ecosolutionsindia.com
Web: www.ecosolutionsindia.com

TEST REPORT

SOURCE EMISSION MONITORING	**Report No:**	**ECO/2025-26/7953**
	Report Date:	**04.04.2026**
	Sample Collected on:	01.04.2026
	Sample Received on:	02.04.2026
	Test Commenced on:	02.04.2026
	Test Completed on:	03.04.2026
Instrument Used:	Stack Monitoring Kit – Ecotech ESS 100 & Flue Gas Analyzer	
ISSUED TO:	**M/s. JSS COLLEGE OF PHARMACY.,** Post Box No:20, Rocklands, Udhagamandalam - 643001, The Nilgiris, Tamil Nadu.	

STACK EMISSION SOURCE: DIESEL GENERATOR 250 KVA

Sl.NO	DESCRIPTION	UNIT	TEST RESULTS	TEST METHOD
1	Stack Height from Ground Level	m	15	...
2	Stack Diameter	m	0.15	...
3	Ambient Temperature	°C	29	IS:11255 PART 3 2008 RA 2018
4	Stack Temperature	°C	516	IS:11255 PART 3 2008 RA 2018
5	Stack Velocity	m/sec	18.72	IS:11255 PART 3 2008 RA 2018
6	Gas Discharge	Nm^3/hr	563.0	IS:11255 PART 3 2008 RA 2018
7	Particulate Matter (PM)	g/kw-hr	0.12	IS:11255 PART 1 1985 RA 2019
8	Sulphur Dioxide (SO_2)	mg/Nm^3	BDL (D.L:5.0)	IS:11255 PART 2 1985 RA 2019
9	Oxides of Nitrogen (NO_2)	g/kw-hr	0.63	IS:11255 PART 7 2005 RA 2017
10	Carbon Monoxide (CO)	g/kw-hr	1.99	IS: 13270 1992 RA 2019
11	Hydrocarbon (HC)	g/Kw-h	0.70	IS: 13270 1992 RA 2019

< End of Report >

Permissible Limits for Emission Source

S.NO	PARAMETERS	UNIT	TNPCB Norms
1	Particulate Matter (PM)	g/kw-hr	0.2
2	Carbon Monoxide (CO)	g/kw-hr	3.5

Verified by, for **M/s. ECO SOLUTIONS & LABORATORIES (OPC) PVT LTD**

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED

CERTIFICATE OF APPROVAL

Issued by Indian Register Quality Systems
(A Division of IRCLASS Systems and Solutions Private Limited)

This is to certify that the Environmental Management Systems of

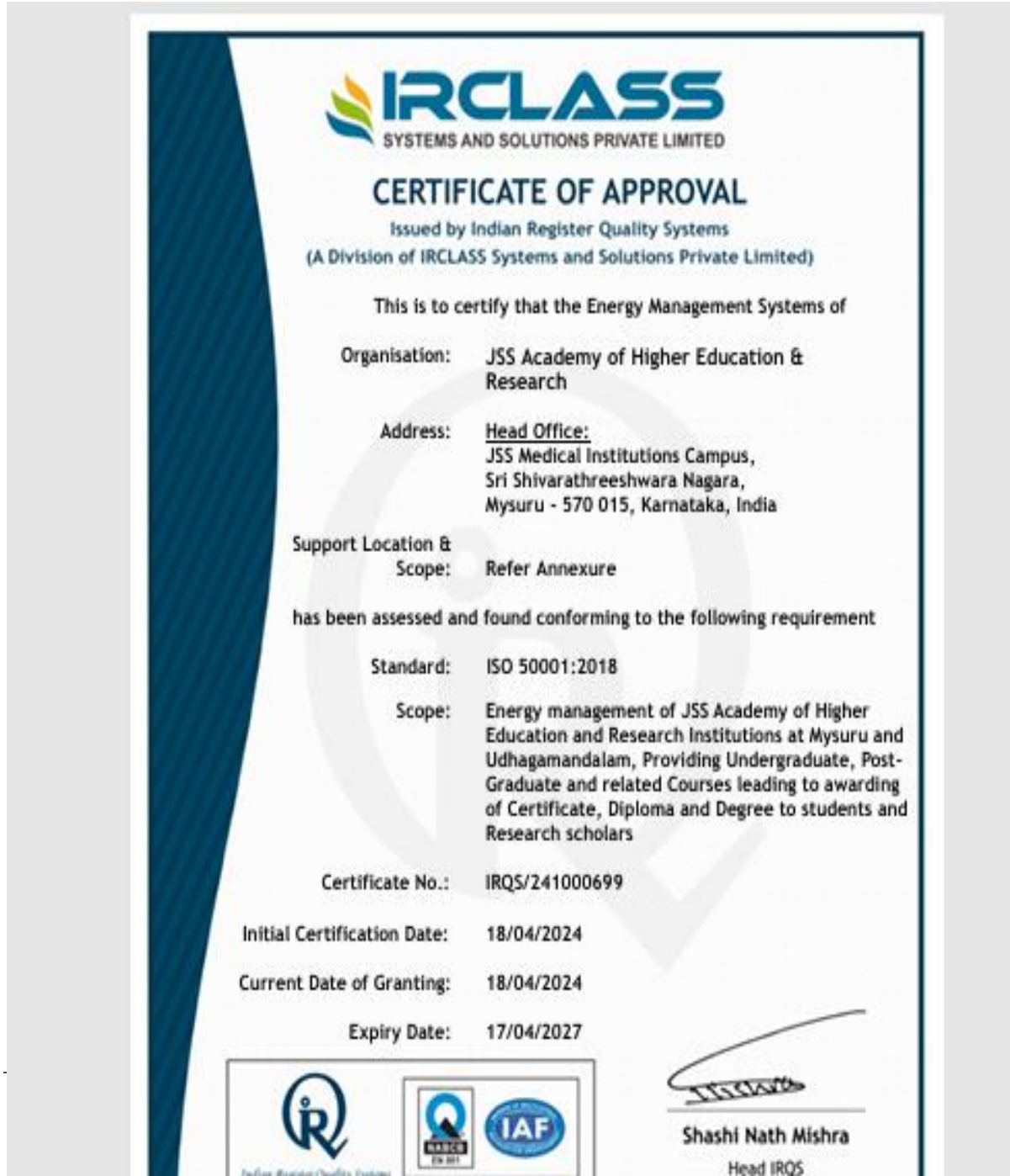
Organisation:	JSS Academy of Higher Education & Research
Address:	Head Office (University): JSS Academy of Higher Education & Research, JSS Medical Institution Campus, Sri Shivarathreeshwara Nagara, Mysuru - 570 015, Karnataka, India
Support Location & Scope:	Refer Annexure

has been assessed and found conforming to the following requirement

Standard:	ISO 14001:2015
Scope:	Providing Undergraduate, Post Graduate, and related courses in Medicine, Pharmacy, Life Sciences and Dentistry leading to awarding of Certificate, Diploma and Degree to students and Research Scholars
Certificate No.:	IRQS/240300698
Initial Certification Date:	16/04/2024
Current Date of Granting:	16/04/2024
Expiry Date:	15/04/2027

Indian Register Quality Systems

Shashi Nath Mishra
Head IRQS



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This is to certify that the Energy Management Systems of

Organisation: JSS Academy of Higher Education & Research

Address: Head Office:
JSS Medical Institutions Campus,
Sri Shivarathreeshwara Nagara,
Mysuru - 570 015, Karnataka, India

Support Location & Scope: Refer Annexure

has been assessed and found conforming to the following requirement

Standard: ISO 50001:2018

Scope: Energy management of JSS Academy of Higher Education and Research Institutions at Mysuru and Udhagamandalam, Providing Undergraduate, Post-Graduate and related Courses leading to awarding of Certificate, Diploma and Degree to students and Research scholars

Certificate No.: IRQS/241000699

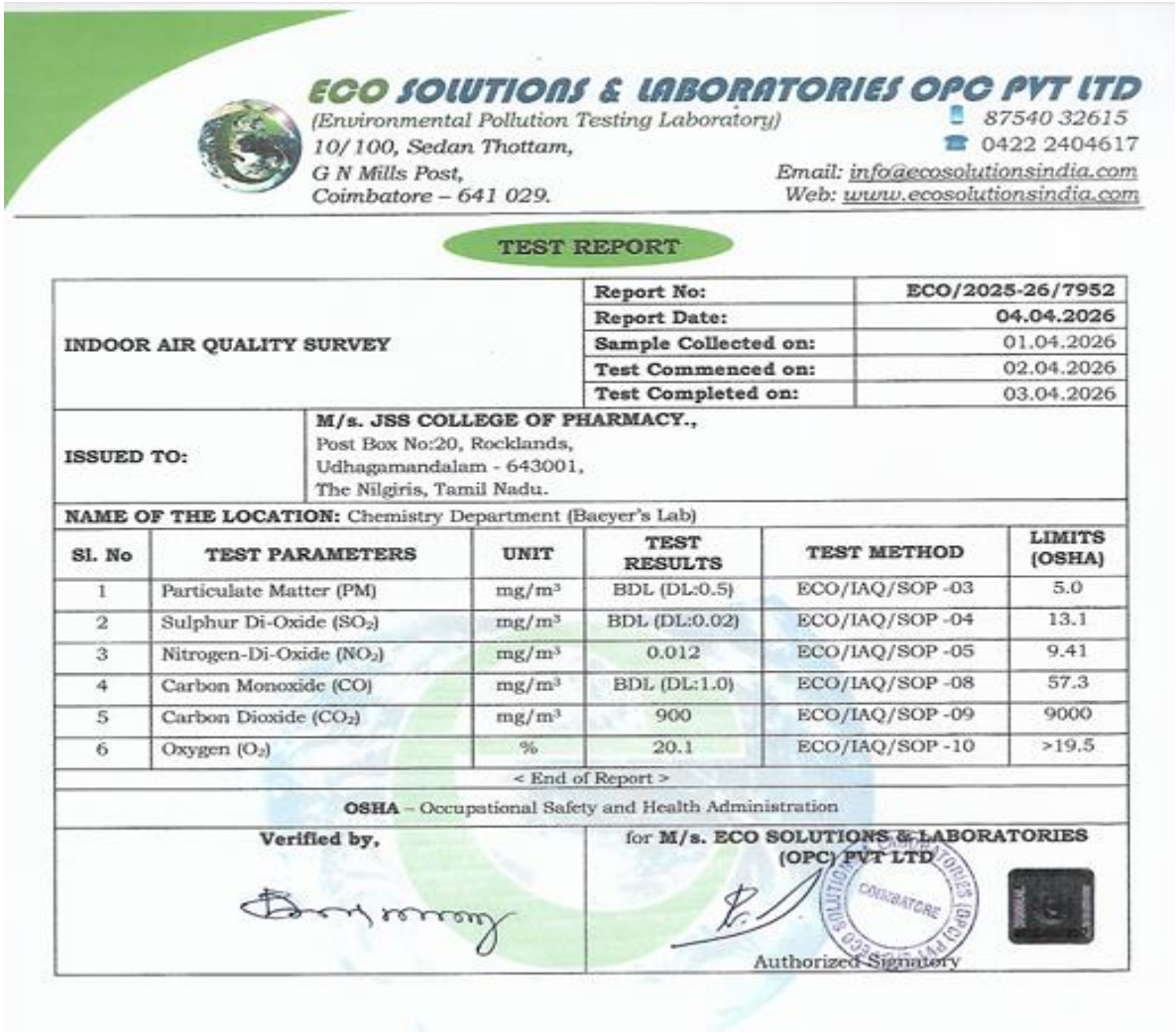
Initial Certification Date: 18/04/2024

Current Date of Granting: 18/04/2024

Expiry Date: 17/04/2027

IAF

Shashi Nath Mishra
Head IRQS



ECO SOLUTIONS & LABORATORIES OPC PVT LTD

(Environmental Pollution Testing Laboratory)
10/100, Sedan Thottam,
G N Mills Post,
Coimbatore – 641 029.

87540 32615
0422 2404617
Email: info@ecosolutionsindia.com
Web: www.ecosolutionsindia.com

TEST REPORT

INDOOR AIR QUALITY SURVEY	**Report No:**	**ECO/2025-26/7952**
	Report Date:	**04.04.2026**
	Sample Collected on:	01.04.2026
	Test Commenced on:	02.04.2026
	Test Completed on:	03.04.2026

ISSUED TO: **M/s. JSS COLLEGE OF PHARMACY.,**
Post Box No:20, Rocklands,
Udhagamandalam - 643001,
The Nilgiris, Tamil Nadu.

NAME OF THE LOCATION: Chemistry Department (Baeyer's Lab)

Sl. No	TEST PARAMETERS	UNIT	TEST RESULTS	TEST METHOD	LIMITS (OSHA)
1	Particulate Matter (PM)	mg/m^3	BDL (DL:0.5)	ECO/IAQ/SOP -03	5.0
2	Sulphur Di-Oxide (SO_2)	mg/m^3	BDL (DL:0.02)	ECO/IAQ/SOP -04	13.1
3	Nitrogen-Di-Oxide (NO_2)	mg/m^3	0.012	ECO/IAQ/SOP -05	9.41
4	Carbon Monoxide (CO)	mg/m^3	BDL (DL:1.0)	ECO/IAQ/SOP -08	57.3
5	Carbon Dioxide (CO_2)	mg/m^3	900	ECO/IAQ/SOP -09	9000
6	Oxygen (O_2)	%	20.1	ECO/IAQ/SOP -10	>19.5

< End of Report >

OSHA – Occupational Safety and Health Administration

Verified by,

for **M/s. ECO SOLUTIONS & LABORATORIES (OPC) PVT LTD**

Authorized Signatory

15.4.2 Reducing plastic waste

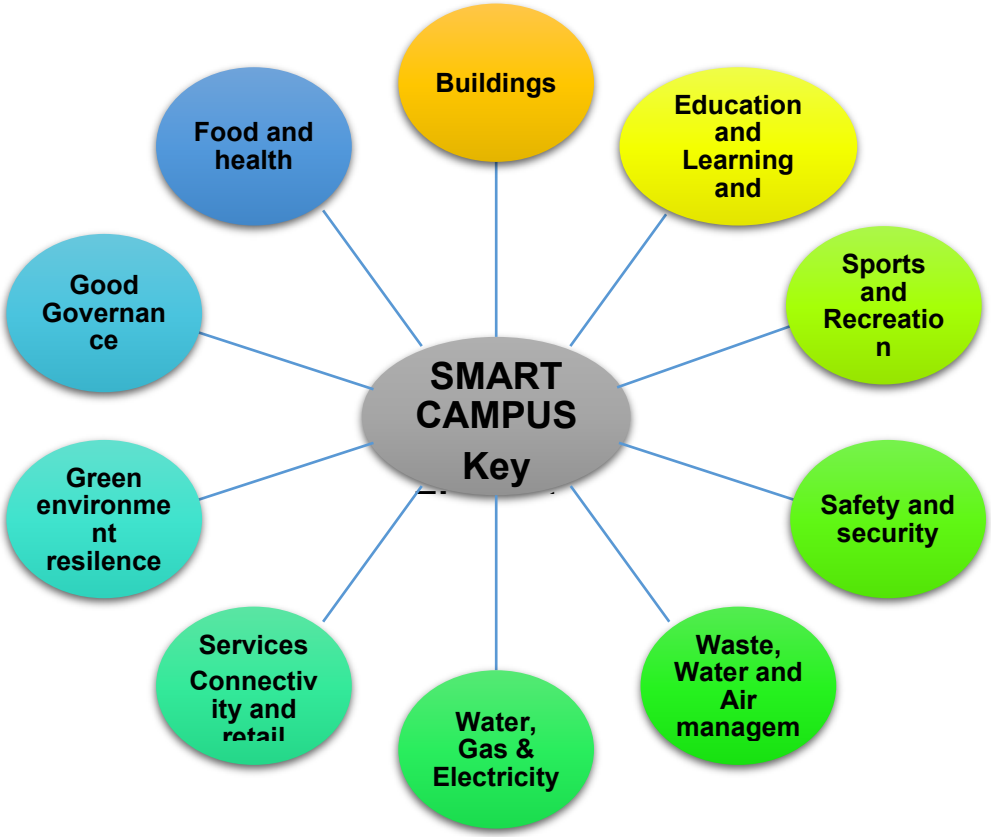
NSS volunteers' plastic removal at Murugan Temple 'to preserve the biosphere of the forest'. JSS College of Pharmacy, Ooty, is committed to reducing plastic waste through institutional initiatives and community engagement. The campus promotes a **Plastic-Free Campus** policy

supported by awareness signage encouraging responsible waste management and environmental stewardship. As part of its outreach activities, NSS volunteers conducted a plastic removal drive at the Murugan Temple, Ooty, on **4 February 2026** during the hundi counting programme. The volunteers collected and removed plastic waste from the surrounding forest area to protect wildlife and preserve the forest ecosystem from plastic contamination. These initiatives demonstrate the institution's commitment to minimizing plastic pollution, conserving terrestrial ecosystems, and promoting sustainable environmental practices in alignment with **SDG 15 – Life on Land**.



Smart **campus initative**




SMART CAMPUS Key
Buildings
Education and Learning and
Sports and Recreatio n
Safety and security
Waste, Water and Air managem
Water, Gas & Electricity
Services Connectiv ity and
Green environme nt resilence
Good Governan ce
Food and health

Abstract

The JSS College of Pharmacy (JSSCP), Ooty is a constituent college of JSS Academy of Higher Education & Research, Mysuru, is dedicated to excellence in Pharmacy Education, Research, Training and Practice. Whilst, the existing infrastructure endorse our institution as a conducive place for academic learning which provides a quality education in a clean, safe and comfortable environment, since the inception, JSSCP has been working very active in establishing the state of the art, SMART campus. This report provides an overview of JSSCP's current SMART Campus best practices and future short and long-term initiatives under the following "SMART Key Elements. The SMART CAMPUS is achieved by implementing the below technologies like:

1. SMART Learning Management System (Education and Research)
2. SMART Physical Security and Surveillance
3. SMART Transportation
4. SMART ICT Enabled Campus
5. SMART Drug Information Services
6. SMART Responsibility towards Society (Two adopted tribal villages - Nedugalkombai and Veerakombai)

The college ideology for the SMART is

S - Specific
M - Measurable
A - Achievable
R - Realistic
T - Time based

Objectives

- ✓ To develop 'Our Campus, Our Planet' best practices
- ✓ To assimilate health, transport, energy and environmental management

Future Plan

- ✓ Develop a program to monitor and sustain the best practices on SMART Campus.
- ✓ Survey the pitfall in current practices and research the ways to improve and realize -

"SWACHH CAMPUS SWASTH SHIKSHA"

TARGETS PROGRESS TILL June 2026

Targets	**Status**
Modernization of 07 Sports grounds To foster complete utilization	90% of Civil work is completed, Upgrading Sports ground in next phase
Facelift of the campus	Work in progress
Modernizations of Seminar hall	Work in progress
Submission of Smart Campus Initiatives to the local administration	A short booklet highlighting smart campus initiatives was submitted to the office of District collector and municipal commissioner
Upgradation of Guest House	A new lift is being installed for ease of access for the elderly and physically challenged.

15.4.3 Hazardous waste policy / educational programme

JSS College of Pharmacy embeds hazardous waste and safety education into its M.Pharm curriculum through the course **"Hazards and Safety Management" (MQA 201T)** — a 60-hour paper covering environmental hazards, air-based hazards, and chemical-based hazards, including fire protection and hazard control measures. Additionally, **Ms. Annanya Raman Helchel (II M.Pharm)** completed the **Lead Auditor Course on "Green Energy, Environment and Waste Management Audits,"** conducted by the Nature Science Foundation under the **Quality Council of India, Ministry of Commerce & Industry, Govt. of India** — demonstrating both curricular and individual capacity-building in hazardous waste management. The College has a Biomedical Waste Disposal certificate in accordance with the Nilgiris District Municipality Office. The sanitation team collects the biomedical waste from the campus for incineration process at the Centralized facility at the Government. Managing waste in a smarter way is the most important aspect of any organization. For this management for the waste we have Bio-waste management, initiative of plastic free campus with no plastic bottles, Rain Water harvesting management for the reduction of water waste to save more water. Mechanical Chimneys, Fume hoods for chemical reactions and Bio-safety cabinets (Class II type A/B3).

The College follows the Government Gazette on Plastic Free zone in the whole Nilgiris District. The Enlisted items are completely banned within

the campus. On, MAY 09, 2018 The Government Policy is abided by the College strictly and no single-use plastic items are used on the campus.

- https://nilgiris.nic.in/plastic-free-nilgiris/#banned
- https://cdn.s3waas.gov.in/s339461a19e9eddfb385ea76b26521ea48/uploads/2022/03/2022032483.pdf

The garbage waste disposal by the Municipality collects recycle plastic items from Separate bins placed around the campus.

	Management of combustible gases, Toxic gases and Oxygen displacing gases management, Regulations for chemical hazard, Management of over-Exposure to chemicals and TLV concept.	
4	**Fire and Explosion**: Introduction, Industrial processes and hazards potential, mechanical electrical, thermal and process hazards. Safety and hazards regulations, Fire protection system: Fire prevention, types of fire extinguishers and critical Hazard management system mechanical and chemical explosion, multiphase reactions, transport effects and global rates. Preventive and protective management from fires and explosion-electricity passivation, ventilation, and sprinkling, proofing, relief systems -relief valves, flares, scrubbers.	12 Hrs
5	**Hazard and risk management:** Self-protective measures against workplace hazards. Critical training for risk management, Process of hazard management, ICH guidelines on risk assessment and Risk management methods and Tools Factory act and rules, fundamentals of accident prevention, elements of safety programme and safety management, Physicochemical measurements of effluents, BOD, COD, Determination of some contaminants, Effluent treatment procedure, Role of emergency services.	12 Hrs

REFERENCES

1. Y.K. Sing, Environmental Science, New Age International Pvt, Publishers, Bangalore
2. "Quantitative Risk Assessment in Chemical Process Industries" American Institute of Chemical Industries, Centre for Chemical Process safety.
3. Bharucha Erach, The Biodiversity of India, Mapin Pu blishing Pvt. Ltd., Ahmedabad – 380 013, India,
4. Hazardous Chemicals: Safety Management and Global Regulations, T.S.S. Dikshith, CRC press

HAZARDS AND SAFETY MANAGEMENT
(MQA 201T)

Scope

This course is designed to convey the knowledge necessary to understand issues related to different kinds of hazard and their management. Basic theoretical and practical discussions integrate the proficiency to handle the emergency situation in the pharmaceutical product development process and provides the principle based approach to solve the complex tribulations.

Objectives

At completion of this course it is expected that students will be able to

- Understand about environmental problems among learners.
- Impart basic knowledge about the environment and its allied problems.
- Develop an attitude of concern for the industry environment.
- Ensure safety standards in pharmaceutical industry
- Provide comprehensive knowledge on the safety management
- Empower an ideas to clear mechanism and management in different kinds of hazard management system
- Teach the method of Hazard assessment, procedure, methodology for provide safe industrial atmosphere.

THEORY ***60Hrs***

1.	**Multidisciplinary nature of environmental studies:** Natural Resources, Renewable and non-renewable resources, Natural resources and associated problems, a) Forest resources; b) Water resources; c) Mineral resources; d) Energy resources; e) Land resources **Ecosystems:** Concept of an ecosystem and Structure and function of an ecosystem. Environmental hazards: Hazards based on Air, Water, Soil and Radioisotopes.	12 Hrs
2	**Air based hazards:** Sources, Types of Hazards, Air circulation maintenance industry for sterile area and non sterile area, Preliminary Hazard Analysis (PHA) Fire protection system: Fire prevention, types of fire extinguishers and critical Hazard management system.	12 Hrs
3	**Chemical based hazards:** Sources of chemical hazards, Hazards of Organic synthesis, sulphonating hazard, Organic solvent hazard, Control measures for chemical hazards,	12 Hrs

Colour codes for Biomedical waste collection and Packing

				
▪ Human and animal anatomical wastes ▪ Soiled wastes, ▪ Discarded or expired medicines ▪ Chemical wastes, ▪ Blood and body fluids ▪ Microbiology / Biotechnology wastes	▪ Contaminated waste (recyclable)	▪ Sharps including metals ▪ Needles ▪ Scalpels ▪ Blades	▪ Broken and contaminated glass including vials and ampoules ▪ Metallic body implants	▪ Food items ▪ Papers / paper plates, ▪ Water bottles, etc





BIOHAZARD

SOCIETY FOR BIO MEDICAL WASTE MANAGEMENT

THE NILGIRIS

REGISTERED UNDER SOCIETY ACT No: 72 / 2010

GOVERNMENT OF TAMILNADU

SL.No

Membership Certificate

This is to Certify that M/S/DR.....J.S.S. College of Pharmacy.....
...Udhagamandalam..... is a member* of Society For Bio Medical Waste Management, The Nilgiris. The Bio Medical Waste Generated in their Hospital / Clinic / Laboratory is being disposed through the treatment plant run by our society as per the norms and approval of Tamil Nadu Pollution Control Board

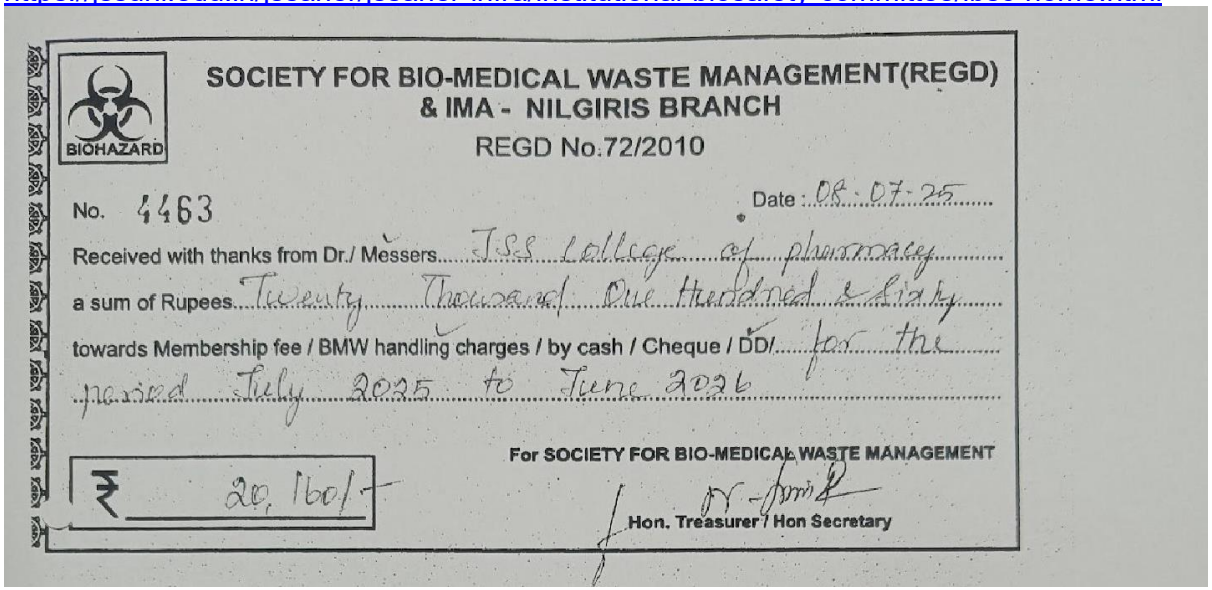
SOCIETY FOR BIO MEDICAL WASTE MANAGEMENT
REGD.No. 72 / 2010
Date: 20. 6 2013

HONORARY PRESIDENT
* Subject to Renewal Annually

HONORARY SECRETARY

Membership Certificate

The University also publishes the Waste Disposal in a detailed webpage given in the link.
https://jssuni.edu.in/jssaher/jssaher-infra/institutional-biosafety-committee/ibsc-home.html



SOCIETY FOR BIO-MEDICAL WASTE MANAGEMENT(REGD)
& IMA - NILGIRIS BRANCH
REGD No.72/2010

BIOHAZARD

No. 4463 Date : 08-07-25

Received with thanks from Dr./ Messers. JSS College of pharmacy

a sum of Rupees Twenty Thousand One Hundred & Sixty

towards Membership fee / BMW handling charges / by cash / Cheque / DD/ for the period July 2025 to June 2026

₹ 20,160/-

For SOCIETY FOR BIO-MEDICAL WASTE MANAGEMENT

Hon. Treasurer / Hon Secretary