



KALASALINGAM

ACADEMY OF RESEARCH AND EDUCATION

(DEEMED TO BE UNIVERSITY)

Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A++" Grade



THE - Impact Rankings 2025

SDG 1: Zero Hunger



END HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION AND PROMOTE SUSTAINABLE AGRICULTURE

Annual Report – 2022 to 2023

A Zero Hunger initiative in universities focuses on ensuring that no student, staff member, or local community member goes hungry. This aligns with the United Nations' Sustainable Development Goal of ending hunger, achieving food security, and promoting sustainable agriculture.

Partnering with campus dining services to rescue surplus food from dining halls and redistribute it to food pantries or community organizations.

Running a "Zero Food Waste" campaign that encourages students and staff to reduce food waste, save leftovers, and participate in food-sharing initiatives.

Organizing events where leftover food from university events is safely distributed to students and community members.

Providing workshops on nutrition, meal planning, and affordable cooking to help students make healthy, budget-friendly meals.

Organizing cooking classes that focus on creating nutritious meals using low-cost ingredients often available at food pantries.

Educating students on food labeling, budgeting, and tips for shopping on a limited budget.

Partnering with local farmers, co-ops, and suppliers to bring fresh produce to campus and support regional food systems.

Hosting weekly farmers' markets on campus where students can purchase fresh fruits, vegetables, and other products at low prices.

Setting up a community-supported agriculture (CSA) program, allowing students to receive regular deliveries of local, fresh produce.



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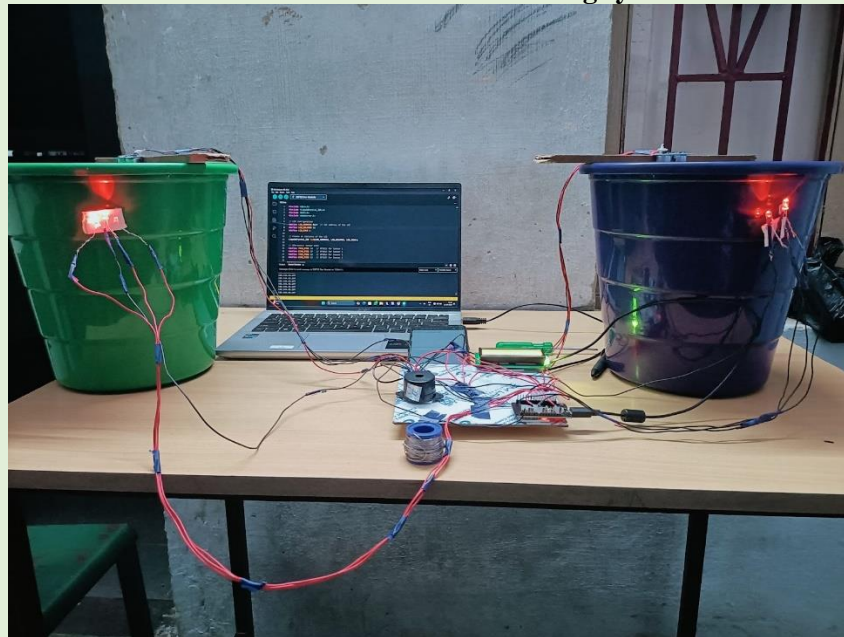
Launching awareness campaigns to inform students and staff about food insecurity and encourage donations and volunteerism.

Hosting events like "Hunger Awareness Week" or "Food Security Month" to engage the campus in conversations about hunger and solutions.

Creating platforms for students to share stories and raise awareness about food insecurity on campus.

Food waste management projects

IOT Based waste flow monitoring system



Vermicomposting Production

The agricultural residues and food wastes that are categorized under degradable, further it converted into biofertilizer using vermicomposting methods. On an average 1.1 tons of waste per day is being recycled resulting in about 12 tons of compost. The institution uses this compost in the agriculture farm and also sells to the farmers at a nominal cost. We are given public training to the farmers. This training promotes the circular economy by reusing agricultural waste as biofertilizer by products.



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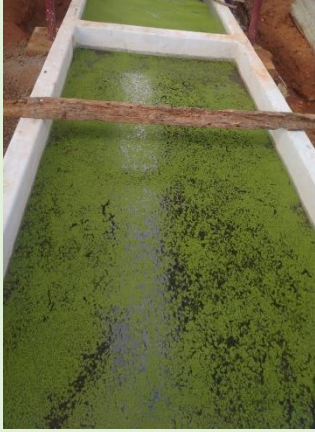


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Composting Yard





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Government funded projects

Name of the faculty investigator(s)	Title of the project	Funding agency	Date of submission of the proposal (last 3 years only) (dd-mmm-yy)	Date of acceptance of the proposal (last 1 year only) (dd-mmm-yy)
Dr. C. Freeda Christy	Development of an automated traffic control system with the smart self-sensing pavement incorporated with piezo-resistivity materials	DST-SURE	9/17/2022	05/05/2023
Ms. Shalini	Development of paper based micro fluidic devices from biopolymers and its application	DBT	12/06/2022	9/22/2022
Dr. S. Karthik	Financial Stability and Reproductive Health Awareness, Practices and Decision Making Capability of Women belonged to the Particularly Vulnerable Tribal Groups (PVTGs)-A comparative, Intervention study with reference to the select Districts in Kerala	ICSSR	8/22/2022	3/14/2023
Dr. A. Samson Nesaraj , K. Mohamed Ibrahim	Synthesis and characterization of lithium garnet based materials for application in lithium-ion based electrochemical power sources	TNSCST	8/29/2022	03/03/2023
Dr. Praneeth.K, Issathul Riswan.M	Design and synthesis of Cu based multi-metal electrocatalysts for efficient CO2 reduction technology	TNSCST	8/29/2022	03/03/2023
Dr. Meyyappan PL	Studies on arriving effective disposal methods for firecrackers waste in and around of Sivakasi Regions	TNSCST	8/29/2022	03/03/2023



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Mr.T.Rajpradeesh	Design and fabrication of automated fire tender system using GPS for industrial sectors	TNSCST	8/29/2022	03/03/2023
Dr. Aruna Janani V	A novel jacketed tumbling homogeneous powder mixer for hazard prevention in fireworks	TNSCST	8/29/2022	03/03/2023
Dr.B.Perumal	Automatic drainage cleaner	TNSCST	8/29/2022	03/03/2023
Dr. P. Pandiyaraj/Dr. J.T. Winowlin Jappes	Empowerment of the Scheduled Caste Farmers via 'Polymer Composite Mulch' Technology Yield and Quality of Vegetable Crops	SEED/SCSP	4/23/2022	2/23/2023
Dr. Deny/Dr. Perumal/ECE	DST- Training Programme on Entrepreneurship	DST-ETP	11/29/2021	2/20/2023
Dr. L. Muthulakshmi	Development of Woman Entrepreneurs in Different Sericulture Sectors: Available technological Strategies to Develop a Cluster-Scale sustainable training for Women Empowerment in and Around Virudhunagar Dist	IRD(SC)-DSIR	3/27/2021	11/21/2022
Dr. J. Deny	Smart India Hackathon 2022 Hardware Edition	MHRD Innovation Cell	02/06/2022	8/17/2022
Dr. T. Theivasanthi	Graphene/Sulphur composite as cathode for improved performance and life cycle of Lithium Sulphur batteries	MSME	08/01/2022	7/23/2022
Dr. Murugeswari	Smart IoT Based Mushroom Cultivation and Edibility Prediction	MSME	08/01/2022	7/23/2022



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Dr. B. Perumal	MatsyaRakshak Multilingual IoT based Assist Device for Pisciculture farmers	MSME	08/01/2022	7/23/2022
Dr. J. Deny	Perception of entrepreneurs for effectiveness of DST funded technology business incubators in Kerala and Tamil Nadu on the sustainability of the ecosystem during the crisis situation caused by COVID-19	NSTMIS-PAC	1/21/2022	6/23/2022
Dr.S.Vanitha	Development of Economically Feasible Constructed Wetland Technology Using Locally Available Plants for Treating Grey Water in Village	IIT Delhi	09/02/2022	5/18/2022
Dr. P. Devendran	INSA Visiting Scientist Fellowship	INSA	2/25/2022	12/05/2022
Dr. S. Saravanakumar	SERB International Research Experience Fellowship	DST-SERB	08/02/2022	12/07/2022
Dr. Naidu Dhanpal Jayram	Ion beam irradiation of semiconductor thin films for Surface enhanced Raman spectroscopy application	UGC-DAE	8/29/2021	3/30/2022
Dr. Perumalla Srikanth	Development of sustainable agriculture practices for biotic and abiotic stress management in conventional and organic tea plantations	DBT-NER-BPMC	6/29/2021	3/21/2022
Dr. T. Kathiresan	Mechanistic Investigation on EMT targeted nanotherapeutics for drug-resistant triple-negative breast cancer cells	DBT-NER-BPMC	7/21/2021	3/16/2022



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Dr. N. Hariram	Value addition and product diversification in Tea	DBT-NER-BPMC	8/21/2021	12/03/2022
Dr. P. Deepalakshmi	Validation and digitization of indigenous medicinal knowledge of tribes of The Nilgiris, Namakkal, Thiruvannamalai and Tirunelveli districts, Tamil Nadu	DST-SEED	02/01/2022	02/07/2022

Training program on Mulberry cultivation

Development of Women Entrepreneurs in Different Sericulture Sectors: Available Technological Strategies to Develop a Cluster - Scale Sustainable Training for Women Empowerment in and around Virudhunagar District (TDUPW/11011/32021-IRD (SC)-DSIR)

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TWO DAYS HANDS ON TRAINING

MULBERRY CULTIVATION

DATE : 13TH - 14TH MARCH, 2023, TIME : 10:00 AM – 4:00 PM

SUPPORTED BY : DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH (DSIR)

TITLE:
DEVELOPMENT OF WOMEN ENTREPRENEURS IN DIFFERENT SERICULTURE SECTORS; AVAILABLE TECHNOLOGICAL STRATEGIES TO DEVELOP A CLUSTER-SCALE SUSTAINABLE TRAINING FOR WOMEN EMPOWERMENT IN AND AROUND VIRUDHUNAGAR DISTRICT. (TDUPW/11011/32021-IRD(SC)-DSIR)

COORDINATOR:
DR.L.MUTHU LAKSHMI
PRINCIPAL INVESTIGATOR
ASSISTANT PROFESSOR,
DEPARTMENT OF BIOTECHNOLOGY
CONTACT NO:- 0369887181
E-Mail: |lmuthulakshmi@klu.ac.in

RESOURCE PERSON:-
1. K. MARI RUSHAM,
INSPECTOR OF SERICULTURE
VANNIAMPATTI
2. V.JAYA LAKSHMI,
ASSISTANT INSPECTOR OF SERICULTURE
VANNIAMPATTI

**VENUE : FARMER TRAINING CENTER, DEPARTMENT OF SERICULTURE,
VANNIAMPATI, SRIVILLIPUTTUR - 626125**



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Quality Cocoon Production and Making Cocoon Handy Crafts

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Encouraging community engagement

Encouraging community engagement in universities is crucial for fostering a sense of social responsibility, building connections between students and the wider community, and creating opportunities for learning that extend beyond the classroom. Universities have a unique opportunity to connect academic knowledge with real-world challenges, empowering students to apply what they learn to help address societal issues.

AWARENESS CAMP

Awareness Camp organized by the university for the community can be an impactful way to engage local populations, provide essential knowledge, and address key issues affecting the community. These camps can focus on a variety of topics, such as health, education, environment, legal rights, or social issues, depending on the needs of the community and the expertise available at the university. The goal is to educate, inform, and empower individuals to make informed decisions and take positive actions that improve their quality of life.



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Kalasalingam Medical College and Hospital:

https://drive.google.com/drive/folders/16cqA5IGzYadP3sdHjmr2JT2OmcNrXXxO?usp=drive_link

Kalasalingam Medical College and Hospital was established in 2021 by the pioneering Kalasalingam Anandam Ammal Charities. Located at the pristine foothills of the scenic Western Ghats. Kalasalingam Medical College and Hospital is a healthcare and medical education institution. It offers medical training and provides a range of healthcare services to the community. The hospital delivers patient care across various specialties.

The healthcare facilities have been actively utilized by the residents of nearby villages, particularly those from disadvantaged backgrounds. These services provide essential medical care and support, helping to address health disparities and improve overall community well-being. By making healthcare more accessible, the facilities play a crucial role in promoting health equity and ensuring that vulnerable populations receive the attention and resources they need.

Medical awareness camps:

University in association with Kalasalingam Medical College and Hospital (KMCH) conducted medical camps in nearby villages for the public welfare.

https://docs.google.com/document/d/1VfbhlfprSBLZTP79w5PLYM15lk2Tz_68/edit?usp=drive_link&oid=113938024005760959391&rtpof=true&sd=true

Events conducted among public

https://drive.google.com/file/d/1YDIpo38n6M8wjuooT9ftWMBuUuQiaGvo/view?usp=drive_link

Recognition for Social Development:

Kalasalingam Academy of Research and Education has garnered significant recognition from NGOs and trusts for its unwavering commitment to social development. These organizations have



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acknowledged the university's ongoing contributions to public health, rural development, education, gender equality, environmental sustainability, and other areas that promote positive societal change.

Link to access the awards obtained from NGO/Trusts:

https://docs.google.com/spreadsheets/d/18iTMDzAf3SUY1q7G3nhBsDpXq4AVbs-G/edit?usp=drive_link&oid=113938024005760959391&rtpof=true&sd=true