



Sri Venkateswara University, Tirupati

DEPARTMENT OF ENVIRONMENTAL SCIENCES



VISION

- Acquire knowledge in the fields of Environmental issues Air, water and Soil.
- Team work collaboration with relevant Govt. organisations.
- Create awareness on energy and non-conventional energy resources.
- Maintain Green India and Eco friendly Technologies.
- Offering free consultation services to the public as well as industries on Environment issues.
- EIA for developmental projects (Air, Water and Soil quality assessment)
- Biodiversity conservation and Management.

MISSION:

- To develop nurture and empower the students to their full potential to cope up with the environmental challenges for achieving the sustainable development.
- To understand and tackle environmental issues with multidimensional approach.
- To adopt state of the art of technology to optimize use of teaching and research for enhancing knowledge, skills and entrepreneurship amongst the youth.
- To undertake quality research in providing insight on the interactions between different forms of life.

ABOUT THE DEPARTMENT

The Centre for Environmental Sciences with sophisticated analytical instruments was established in Sri Venkateswara University in the year 1989 as a centralized instrumentation facility for analyses of chemical, physical and physico-chemical aspects of the environment undertaken by different departments of the University.

The Department of Environmental Sciences was established in 1997 with a goal to build environmental knowledge base and to promote quality education and research. Various activities have been taken up to redress the local environmental problems, to create environmental awareness and to promote environmental education with special emphasis on rural development.

Head and BOS : Prof. T. Damodharam, M. Sc., M. Phil., Ph. D.,



Joined the University service as Assistant Professor in Environmental Science in 1999 and promoted as Associate Professor in the year 2008 then promoted as Professor in the year 2014. At present heading the Department of Environmental Sciences. Research areas pollution monitoring, biodiversity conservation, environmental impact assessment and environmental toxicology and specialized in plant physiology. Published 61 research articles in reputed journals and authored one book and two book chapters. Guided six students for M. Phil., and sixteen students for Ph.D. Completed two MRP projects funded by UGC-New Delhi and one BRNS-DAE Collaborative project. Visited Srilanka for attending a seminar and awarded with Doctor of Science (DSC) from University of Colombo in 1997. Organized three National Seminars, one National Workshop, two Regional Seminars and one Webinar. Co-ordinator for two Refreshers courses in environmental studies in 2018 and 2019. Member of the Directorate of Community Development Cell of the University and Life member in ISCA, Kolkata. Presently acting as NSS Programme Officer for SVU College of Sciences, Additional Warden for SVU Science hostel for men and also working as Director for Dr. B.R. Ambedkar Study Center, SVU Campus, Tirupati since 2021.



Dr. K. Abraham did his M. Sc., in Environmental Science from S.V. University, Tirupati in 2009 and got Ph.D., in 2016 in the field of Cadmium Toxicity on plants under the guidance of Prof. T. Damodharam, S. V. University. He has been serving as Academic consultant in the Department of Environmental Science, S. V. University since 2012. He has published 9 research papers in reputed journals and few more are in communication. He has contributed 23 papers in the International and National conferences. He is also acting as a reviewer for "Indian Journal of Science and Technology" publications.



Dr. K. Kiran did his M.Sc., in Environmental Science from Sri Venkateswara University, Tirupati in 2000 and also obtained his Ph.D., degree in Environmental Sciences with title "Determination of Trace metals (Se, Cr, Co, Cu, Ni, Cd, Zn) in various environmental Samples" in 2007, from Sri Venkateswara University. Currently he is acting as an Academic Consultant from Department of Environmental Sciences, S.V. University Tirupati since 2019 onwards. Previously he was worked as an Associate Professor for Sanskrithi school of Engineering, Puttaparthi during 2018 to 2019. During that time, he gained knowledge to organize seminars, workshops etc at National level. Previously he was also worked for Siddhartha Institute of Engineering and Technology, Puttur as an Assistant Professor and Associate Professor. During that time, he was Ratified by JNTUA and gave Research Guidance also. He was also act as a Young Scientist-DST works on "Gold Nanoparticles for selected pesticides and heavy metals" from Department of Environmental Sciences, Sri Venkateswara University, Tirupati, India (2010-2013). He was also acted as an Academic Consultant in this department from 2008-2010. He was also visited National Sun Yat Sen University, TAIWAN and did his PDF on "Nanoparticles" and for that his work was published in "Analytical Chemistry", American Chemical Society Publications. During His teaching and research, He had published more than 22 research papers in reputed journals and few more are in communication. Also, he had contributed 22 more papers of his work to several International and National conferences. He is also acting as a Reviewer for "Springerlink Publications". He is also having a life membership for "INDIAN SCIENCE CONGRESS". He is also qualified Andhra Pradesh "SLET" in 2020. He is also published his research work in books format with "LAMBERT ACADEMIC PUBLISHING", LONDON.



Dr. M. Sreenivasulu did his M. Sc., in Environmental Science from S.V. University, Tirupati in 2009 and got Ph.D., in 2016 with the title Effect of Carbon Dioxide (CO₂), Glyphosate (Herbicide) on Crop and Weed Interactions of *Arachishypogaea* L., *Ciprusrotundus* L. and *Partheniumhistrophorus* L.) under the guidance of Prof. T. Damodharam, S. V. University. He has been serving as Academic consultant in the Department of Environmental Science, S. V. University since 2018. He has published 5 research papers in reputed journals and few more are in communication. He has contributed 10 papers in the International and National conferences.

Laboratories in the Department

Environmental Science Lab



Courses offered

M.Sc. Environmental Science.

Full-time and Part-time research programmes leading to Ph.D. is undertaken from 2002 onwards.

	SI.No	TITLE OF THE PAPER		SI.No	TITLE OF THE PAPER
Semester – I	1.	Ecology and Environment	Semester – I	1.	Energy and Environment
	2.	Environmental Chemistry		2.	Environmental Pollution
	3.	Practical – I		3.	Practical – I
	4.	Practical – II		4.	Practical – II
	5.	Environmental Toxicology and Public Health		5.	Instrumental Techniques and Applications
	6.	Biodiversity and Conservation and Management		6.	Environmental Laws, Policies and Legislation
Semester – III	1.	Waste Treatment and Management	Semester – IV	1.	Water Resources and Watershed Management
	2.	Environmental Impact Assessment, Audit And Economics		2.	Remote Sensing and GIS
	3.	Practical – I		3.	Practical – I
	4.	Basics of Statistical Methods and Computer Programmes		4.	Project Work + Comprehensive Viva-Voce
	5.	(a) Ecotourism and Eco-Restoration (b) Occupational Health and Industrial Safety (c) Statistics, Computer Applications and Modeling		5.	(a) Disaster Mitigation and Management (b) Environmental Safety (c) Environmental Management and Sustainable Development
	6.	(a) Natural Resources Conservation (b) Environmental Education		6.	(a) Forest Resources and Management (b) Global Environmental Issues
Ph.D's awarded : 06			PDFs-01		Fellowships – 01

Seminars / Conferences / Workshops Organized



Extension Activities



Hon'ble Registrar Prof. O. Md. Hussain and Prof. M. Srinivasulu Reddy, Principal SVU College of Sciences planting a tree on the eve of World Environment Day on 5th June, 2022.



Prof. M. Srinivasulu Reddy, Principal SVU College of Sciences took a pledge with the faculty and students for environmental protection on the occasion of World Environment Day-2022.



Prof. M. Srinivasulu Reddy, Principal, SVU College of Sciences is speaking on importance of natural resources on the eve of Earth Day-2022.



Hon'ble Registrar Prof. O. Md. Hussain has participated in the mega plantation programme conducted at Sri Venkateswara University on 23-12-2021.



NSS special campaign- 2019 at SVU campus.



Prof. K. Thyaraju, Principal SVU College of Sciences giving a lecture to the students on the eve of World Water Day on 22nd March, 2018



Awareness programme on AIDS along with NSS unit of SVU



Hon'ble Rector, Prof. V. Srikantha Reddy, presented prizes to the students who won in elocution competition-2022



Hon'ble Vice- Chancellor, Prof. K. Raja Reddy, S.V. University and Prof. M. Sreenivasulu Reddy, Principal, SVUCS appreciating the students who selected in Placement drive-2022.



PG level cricket tournament organized by the Department of Environmental Sciences. Head of the Department giving prizes to the winner's team 2022.



Hon'ble Registrar, Prof. P. Sreedhar Reddy presented prizes to the students who won in Essay writing competition-2020.