

Dr. R. S. Suja Rose

Assistant Professor and Head in-charge

Department of Environmental Remote
Sensing and Cartography

School of Earth and Atmospheric Sciences



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Educational Qualifications

: *M.Sc., Ph.D.*

Professional Experience

: *Teaching: 8 yrs (Asst. Prof.) + 4 ½ yrs (Guest faculty)*

: *Research: 17 Yrs.*

FIELD OF SPECIALIZATION

- *Remote Sensing*
- *Geographic Information System*
- *Global Navigation Satellite Systems*

RESEARCH SPECIALIZATION

- *Remote Sensing, GIS and GNSS*
- *Applications of Geo-information Technology in Water Resources*
- *Applications of Geo-information Technology in Agriculture and Soils*

Research Supervision:

Program	Completed	Ongoing
Ph.D	2 (Guide)	7 (Guide)
	1 (Co-guide)	4 (Co- guide)
M.Phil	NA	NA

PROFESSIONAL EXPERIENCE

No	Institution	Position	From (date)	To (date)	Duration
1	Madurai Kamaraj University	Assistant Professor and Head i/c	07.08.2013	Till date	4 yrs 6 mhs
2	Madurai Kamaraj University	Assistant Professor	12.07.2010	06.08.2013	3 yrs 1 mh
3	Madurai Kamaraj University	Research Associate	04.02.2009	11.07.2010	1 yr 5 mhs
4	Madurai Kamaraj University	Research Fellow	30.03.2007	04.02.2009	1 yr 11 mhs
5	Madurai Kamaraj University	Guest Faculty	20.10.2002	28.03.2007	4 yrs 5 mhs

RESEARCH COLLABORATION (BOTH NATIONAL & INTERNATIONAL)

Name of the Collaborator	Institute	Collaboration Details	Collaboration Output (Papers/Patents/Research/Online)
The Director	Indian Institute of Remote Sensing, Dehradun	Conducting Web based National Level Outreach Program	Academic Online Program
The Director	National Remote Sensing Centre (NRSC), ISRO, Department of Space, Hyderabad	Asset Mapping using Mobile application in the selected Gram Panchayats	Including Assets for Digital Mapping of India

HONORS/AWARDS/RECOGNITIONS

- Perunthalaivar Kamarajar Award for Research Performance – July 2017, Madurai
- National level Best Research Paper Award by NABS – August 2016, Madurai

PUBLICATIONS

- Manonmani, R. **Suja Rose,R.S.** ‘Participatory GIS For Irrigation Management in Periyar Main Canal Command Area - A Case Study of Kumaram Village, Madurai District’, International Journal of Scientific Research in Science and Technology, ISSN: 2395-6011, Vol.3, No.8, Pg: 962-966, 2017
- Achu.A.L. **Suja Rose.R.S** ‘GIS Analysis of Crime Incidence and Spatial Variation in Thiruvananthapuram City’, International Journal of Remote Sensing Applications, ISSN: 2226 – 4353, Vol 6, 2016
- Nithya. D **Suja Rose.R.S** ‘Assessing Agricultural Vulnerability Using Geomatic Technology: A Case Study of Srivilliputhur Taluk Of Virudhunagar District, Tamil Nadu’, International Journal of Advancement in Remote Sensing, GIS and Geography, ISSN: 2321–8355, Vol.2, No.2,Pg: 11-17, 2014
- Dani.V **Suja Rose.R.S,** ‘Analysis of Agricultural Land use of a Drought Prone Area using Geomatics: A Case Study of Radhapuram Block, Tirunelveli District, Tamil Nadu’, Journal of Indian Cartographer, ISSN: 0972-8392, Vol. 31, Pg: 256 – 260, 2011
- Vijayalakshmi.P **Suja Rose.R.S,** ‘The database, land use/land cover and Solid waste disposal site using remote sensing and GIS: A case study of Sakkottai Block, Sivagangai District, Tamil Nadu’, Advances in Applied Science Research, ISSN:0976-8610, Vol. 2 (6), Pg: 379-392, 2011
- **Suja Rose.R.S.** and Krishnan.N, ‘Spatial analysis of groundwater potential using remote sensing and GIS in the Kanyakumari and Nambiyar basins, India’, Journal of the Indian Society of Remote Sensing, Vol. 37, Pg: 1-12, 2009
- **Suja Rose.R.S.** and Krishnan.N, ‘Morphometric Measures and Surface Run-off: A Statistical Analysis for Kanyakumari and Nambiyar Basins, India’, The Indian Geographical Journal, Vol. 84, 2009
- **Suja Rose.R.S.** and Krishnan.N, ‘A Comparative Morphometric Analysis of Sub-watershed in Kanyakumari and Nambiyar River Basins of Tamil Nadu, India’, Indian Journal of Geomorphology, Vol. 11 &12 No. 1 & 2, Pg: 65-78, 2007
- **Suja Rose.R.S.** Ilangovan. P and Krishnan.N, ‘An Analysis of residential area development using Remote Sensing Techniques: A case study of Madurai City Environ’, Journal of the AP Geographical Society, Special Issue APGEOS- 2003, Pg: 11-19, 2003

PAPER PRESENTED IN CONFERENCE/SEMINAR/WORKSHOP

Name of the Conference	Date	Place	Title	Author(s)
Tools and techniques in Assessing Farm Resilience, Madurai Symposium 2017	23 rd and 24 th September, 2017	Centre for Research, DHAN Foundation, Madurai	Irrigation Management in Thamaraipatti Village using Participatory Rural Appraisal and GIS	Manonmani, R., Suja Rose, R.S.
Application of water resources development and Resilience building, Madurai Symposium 2017	23 rd and 24 th September, 2017	DHAN Foundation Madurai	Assessment of Agricultural Drought in Virudhunagar District Using Geographical Information System	Nithya, D., Suja Rose, R.S.
Xth International Geographical Union (IGU), Conference on Urbanization, Health & Well being and	17 th -19 th March, 2017	Osmania University, Hyderabad	Irrigation Management Using Participatory GIS Approach: A Geo-Spatial Study in Periyar Main Canal Command Area, Tamil Nadu.	Manonmani, R., Suja Rose, R.S.

Sustainable development Goals				
Xth International Geographical Union (IGU), Conference on Urbanization, Health & Well being and Sustainable development Goals	17 th -19 th March, 2017	Osmania University, Hyderabad	A study on the spatio - temporal trend pattern of land utilisation with respect to temperature and rainfall in the Southern Districts of Tamil Nadu	ShabiraBegum. M., Suja Rose, R.S.
Geospatial technologies for Rural development	2 nd and 3 rd March, 2017	Centre for Geoinformatics, Department of Rural development, The Gandhigram Rural Institute, Dindigul	A study on the spectral reflectance response of suspended sediments in surface water bodies of the coastal zone of south velar watershed, Tamil Nadu using Geo-information technology	Lakshmi, L., Suja Rose, R.S.
Geospatial technologies for Rural development	2 nd and 3 rd March, 2017	Centre for Geoinformatics, Department of Rural development, The Gandhigram Rural Institute, Dindigul	Participatory GIS for irrigation management in Periyar Main canal command area - A case study of Kumaram Village, Madurai District	Manonmani, R., Suja Rose, R.S
Geospatial technologies for Rural development	2 nd and 3 rd March, 2017	Centre for Geoinformatics, Department of Rural development, The Gandhigram Rural Institute, Dindigul	A Geo-spatial Approach of rainfall distribution using trend analysis: A case study in southern districts of Tamil Nadu	Shabira.Begum, M., Suja Rose, R.S
9 th NABS Conference on New Biological Researches: Opportunities and Challenges for Sustainable Development	11 th and 12 th August, 2016	School of Energy, Environment and Natural Resources	Land Evaluation for Agricultural Land use: A Case study in the Usilampatti block, Madurai District using Geo-information Technology	Manonmani. R. Suja Rose, R.S.
9 th NABS Conference on New Biological Researches: Opportunities and Challenges for Sustainable Development	11 th and 12 th August, 2016	School of Energy, Environment and Natural Resources	Estimation of Land Surface Temperature using Geo-information Technology: A Case study in the Southern Districts of Tamil Nadu	Shabira Begum.M Suja Rose, R.S.
9 th NABS Conference on New Biological Researches: Opportunities and Challenges for Sustainable Development	11 th and 12 th August, 2016	School of Energy, Environment and Natural Resources	Urban Biodiversity of Madurai Corporation: A Temporal Analysis	Dhulasi Birundha Suja Rose, R.S.
Seminar on Geospatial technologies for Resources Evaluation and Environment (GEOTREE-2015)	13 th and 14 th August, 2015	Department of Geography, School of Earth and Atmospheric Sciences, MKU	A study of spatial and temporal distribution of Rainfall and Agricultural pattern on Eastern part of Virudhunagar District	Nithya.D. Suja Rose, R.S.
National Conference on Land Use/Land Cover Changes and its Impact: Spatial Challenges and Geospatial Technologies	19 th and 20 th February, 2015.	Department of Geography, School of Earth and Atmospheric Sciences, Madurai Kamaraj University	Assessment of value added Satellite Image Processing System: A case study using WorldView 2 satellite imagery of Maducang and SanAndres Islands, Philippines	Achu.A.L. Suja Rose, R.S.
National Conference on Land Use/Land Cover Changes and its Impact: Spatial Challenges and	19 th and 20 th February, 2015	Department of Geography, School of Earth and Atmospheric	Crop type identification using high resolution satellite image - A comparative study of Melakkal and Thiruvudagam	Manonmani.R. Suja Rose, R.S.

Geospatial Technologies		Sciences, Madurai Kamaraj University	villages of Vadipatti block in Madurai district	
National Conference on Land Use/Land Cover Changes and its Impact: Spatial Challenges and Geospatial Technologies	19 th and 20 th February, 2015	Department of Geography, School of Earth and Atmospheric Sciences, Madurai Kamaraj University	Assessment of Agricultural Drought Vulnerability in Tiruchuli Taluk of Virudhunagar District using Image Indices	Nithya.D. Suja Rose, R.S.
4 th International Conference of Hydrology and Watershed Management	29 th Oct to 1 st Nov, 2014	Centre for Water Resources, Institute of Science and Technology, JNTU, Hyderabad	Geo-Spatial Analysis of Soil Erosion Mapping in Upper Vaigai Basin using GIS based RUSLE Model	Poonkodi.S, Rajkumar.R, Suja Rose R.S.
National Conference on Climate Change, Environment and Agricultural Development	27 th & 28 th Mar, 2014	School of Economics, MKU	Land Suitability Assessment for selected crops in Uthamapalayam Taluk using Geographical Information System	Jayanthi. R. Suja Rose R.S.
National Conference on Climate Change, Environment and Agricultural Development	27 th & 28 th Mar, 2014	School of Economics, MKU	Monitoring the impact of Periyar Main Canal Agricultural Land use of its command area by using Remote Sensing	Manonmani. R Suja Rose R.S.
National Conference on Climate Change, Environment and Agricultural Development	27 th and 28 th March, 2014	School of Economics, Madurai Kamaraj University	A study on the Impacts of climatic parameters in Agricultural land use of Kariapatti Taluk, Virudhunagar Taluk using Geo-informatic Technology	Nithya.D Suja Rose R.S.
Conference on Environmental Management for sustainable development	Dec20 & 21 2013	Department of geography, Karnataka University,	Spatial Pattern of Road Network Structure and Nodel Accessibility of Vadipatti zone in Madurai Metropolitan Area,	Senthilkumar.S Suja Rose R.S.
35 th International Geography Congress on Sustainable Environmental and society	12 th to 14 th Dec, 2013	University of Madras, Department of Geography under National Association of Geographers	An Evaluation Study on the Resolution Properties of Satellite Remote Sensing Images For Identification of Water	Suja Rose R.S.
35 th International Geography Congress on Sustainable Environmental and society	12 th to 14 th Dec, 2013	University of Madras, Department of Geography under National Association of Geographers (NAGI)	Assessing Agricultural Vulnerability Geomatic Technology: A case study of Srivilliputhur Taluk of Virudhunagar district, Tamil Nadu	Nithya.D., Suja Rose R.S.
Land & Water for all and forever: Spatial challenges and Geospatial Technologies,	Feb 23 & 24, 2013	Department of Geography, Sri Krishnadevarayar University, Ananthapur,	An Analysis of agricultural changes in Periyar Main Canal command area using geospatial technology	Manonmani. R Suja Rose R.S.
Seminar on Land & Water for all and forever: Spatial challenges and Geospatial Technologies,	Feb 23 & 24, 2013	Dept. of Geography, Sri Krishnadevarayar University, Ananthapur,	An Analysis of workers and land use in the southern districts of using geo-spatial technology	Shabira Begum,M. Suja Rose R.S.
Geospatial Technology for Resource Evaluation	Feb 17 th and 18 th	School of Earth and Atmospheric	Impact of Climate Parameters on Land Use/ Land Cover: A	Shabira Begum,M. Suja

and Management,	2012	Sciences, Madurai Kamaraj University.	Study of Southern Three Districts of Tamil Nadu Using Remote Sensing and GIS	Rose R.S.
XXXI INCA International Congress on Cartography Focal theme cartography for Disaster Management	15 th & 17 th Oct 2011	Department of Geography, Punjab university, Chandigarh,	Analysis of agricultural land use in Drought prone Radhapuram block (Tirunelveli District) using Geomatics	Dani.V Suja Rose R.S.
National Conference on Emerging Trends in Arts & Science	Oct 7 & 8 th 2011	Nesamony Memorial Christian College, Marthandam, Kanyakumari District	Emerging Trends in Geosciences- Retrospect and Prospects	R.S.Suja Rose
Emerging Frontiers in Geomatic Applications – EMFROG 2011	21 st & 22 nd Mar, 2011.	School of Earth and Atmospheric Sciences, Madurai Kamaraj University.	Forest Resources of Agasthiyarmalai Biosphere Reserve: A Temporal Study Using Geomatic Technology	Lakshmi. M Suja Rose R.S.
Regional level Seminar on Application of Image Processing	17 th & 18 th Feb, 2011	Rev Jacob Memorial Christian College, Ambilikkai.	Digital atlas preparation using Geomatic Technology – A Case of Oddanchatram Block, Dindigul District.	M. Lakshmi, R.S. Suja Rose, M. Shabira Begum and N. Krishnan
Regional level Seminar on Application of Image Processing	17 th & 18 th Feb, 2011	Rev Jacob Memorial Christian College, Ambilikkai	A Study on the Temporal Variation of Land use / Land cover using Geomatic Technology – A case of Reddiyarchatram Block of Dindigul District.	M. Shabira Begum R.S. Suja Rose, M. Lakshmi, and N. Krishnan
National Seminar on Trends in Geospatial data Analysis for Resource and Environmental Management	29 th – 30 th Mar 2010	School of Earth & Atmospheric Sciences, Madurai Kamaraj University, Madurai	A Comparative Analysis on the DEM and Relief Morphometric parameters generated from SRTM data and contour lines of Toposheets – A case of Kodayar Watershed of Kanyakumari Basin	R.S. Suja Rose, M. Lakshmi, M. Shabira Begum and N. Krishnan
National Seminar on Trends in Geospatial data Analysis for Resource and Environmental Management	29 th – 30 th Mar 2010	School of Earth & Atmospheric Sciences, Madurai Kamaraj University, Madurai	The Spatial Analysis of Road Transport Network And Socio-Economic Infrastructures Using GIS – A Case of Sivaganga District in Tamil Nadu	M. Lakshmi, R.S. Suja Rose, M. Shabira Begum and N. Krishnan
National Seminar on Trends in Geospatial data Analysis for Resource and Environmental Management	29 th – 30 th Mar 2010	School of Earth & Atmospheric Sciences, Madurai Kamaraj University, Madurai	Mapping Agricultural Land Use By Using Vegetation Indices - A Case of Thirumayam Block, in Pudukottai District	M. Shabira Begum, R.S. Suja Rose, M. Lakshmi and N. Krishnan
Joint International Workshop of ISPRS WG IV/1, WGIV/3 and WGVIII/1 on Geospatial Data Cyber Infrastructure and Real-time Services with special emphasis on Disaster Management	25 th – 27 th Nov 2009	INCOIS, Hyderabad	A Geostatistical analysis of utility services in Madurai region using GIS	R.S. Suja Rose, M. Shabira Begum M. Lakshmi, and N. Krishnan

XXIX INCA International Congress on Technological Solutions in Urban and Regional Mapping	25 th - 27 th Nov 2009	NATMO, Kolkatta	Educational Services: A Study Aided By GIS In Dindigul District, Tamilnadu, India	M. Shabira Begum R.S. Suja Rose , M. Lakshmi, and N. Krishnan
National Seminar on Emerging Trends in Environment and Development	08 th – 09 th Oct 2009	University of Kerala, Thiruvananthapuram	An Approach for Sustainable Utilization of Groundwater in a Semiarid River Basin using Geomatics – A Case Study of Nambiyar Basin, Tamil Nadu	R.S. Suja Rose , M. Lakshmi, M. Shabira Begum and N. Krishnan
National Seminar on Emerging Trends in Environment and Development	08 th – 09 th , Oct 2009	University of Kerala, Thiruvananthapuram	A Temporal Study on the Forest Resources of Palani Hills in Western Ghats using Geomatic Technology.	M. Lakshmi, R.S. Suja Rose , M. Shabira Begum and N. Krishnan
National Seminar on Emerging Trends in Environment and Development	08 th – 09 th , Oct 2009	University of Kerala, Thiruvananthapuram	Agricultural Land use Depletion – A case study of Manjalar Subwatershed in Vaigai River basin, Tamil Nadu Using Remote Sensing.	M. Shabira Begum, R.S. Suja Rose , M. Lakshmi and N. Krishnan
National Seminar on Trends and Prospects of Geoinformatics in Spatial Planning	12 th – 13 th , Mar 2009	Osmania University, Hyderabad	Digital Resource Mapping using Remote Sensing and GIS: A case study of Chinnamanur C.D. Block in Theni District, Tamil Nadu	M. Lakshmi , R.S. Suja Rose and N. Krishnan
National Seminar on Trends and Prospects of Geoinformatics in Spatial Planning	12 th – 13 th , Mar 2009	Osmania University, Hyderabad	Rural Resources Evaluation: A case study of Kalligudi Block in Madurai District using Remote Sensing and GIS techniques	S. Poongodi , R.S. Suja Rose and N. Krishnan
National technical symposium Geohorizon' 09,	05 th – 07 th , Mar 2009	Anna University, Chennai	Digital Atlas for Ten Southern Districts of Tamilnadu Using Geomatic Technology: Madurai District – A Case Study	R.S. Suja Rose , M. Lakshmi and N. Krishnan
National Symposium on Advances in Remote Sensing Technology and Applications on Microwave Remote Sensing	18 th – 20 th , Dec 2008	Nirma University, Ahmedabad	Integrated Resource Mapping Using Geoinformatics – A case of C.D. Block level study in Theni District of Tamil Nadu, India	R. S. Suja Rose , P. Thirumalai and N. Krishnan
International Conference on Land use, Biodiversity and Climate Change	06 th – 07 th , Oct 2008	Nesamony Memorial Christian College, Marthandam, Kanyakumari district	A Study on the Temporal Land use Pattern using Geoinformatic Technology in Kodayar Watershed of Kanyakumari River Basin, Tamil Nadu, India	R. S. Suja Rose and N. Krishnan
Workshop on Census Data Dissemination	12 th Jul 2006	Department of ERAC, Madurai Kamaraj University, Madurai	An analysis of Demographic Characteristics and Water Resources: A case study of Kodayar and Nambiyar River Basins, Tamil Nadu	R. S. Suja Rose , K. Lakshmi and N. Krishnan
National Conference GEOMATICS- 2006	04 th – 06 th Jan 2006	Anna University, Chennai	Runoff Estimation using Remotely Sensed Data and GIS: A Case Study of Suruliar and Koothanaichiar Sub-	Poovalinga Ganesh.S. R. S. Suja Rose and N.

			watersheds	Krishnan
National Conference on Frontiers in Environmental Sciences and Engineering in India	15 th – 17 th , Sep 2005	Bharathiar University, Coimbatore	Estimation of Rainfall-runoff for Environmental Management of Water Resource in a Sub-Basin	R. S. Suja Rose , Poovalinga Ganesh.S. and P.Ilangovan
National Conference on Climatic Change and its Impact on Water Resources in India	15 th – 17 th Dec 2004	Madurai Kamaraj University, Madurai	Women and Water	A.Sithic Sabitha, R.S. Suja Rose and N. Krishnan
National Conference on Climatic Change and its Impact on Water Resources in India	15 th – 17 th Dec 2004	Madurai Kamaraj University, Madurai	Impact of Climate on Water Bodies and Land use in Tirupparangundram Firka of Madurai Metropolitan Area Using Remote Sensing And GIS Technique	N.Sudhagar, R.S. Suja Rose and N. Krishnan
XXIV International Congress of the Indian National Cartographic Association	06 th – 09 th , Oct 2004	Kolkatta	An analysis of relationship between Groundwater Level and Landuse: A case study of Nambiyar Watershed in Tirunelveli District, Tamil Nadu	R.S. Suja Rose , P.Ilangovan and N. Krishnan
National Workshop on Modern Techniques for Digital Geography, Land, Coast and Ocean	22 th – 23 th , Feb 2003	INCOIS, Hyderabad	An Analysis of residential area development using Remote Sensing Techniques: A case study of Madurai City Environ	R.S. Suja Rose, P.Ilangovan and N. Krishnan
International Conference on Globalization and Sustainable Development: Perspectives of Digital Revolution and Environmental Management,	23 th – 25 th , Aug 2002	Tamil University, Thanjavur	Remote Sensing in Sustainable Development: A case study in Cheranmahadevi C.D. Block of Ambasamudram Taluk in Tirunelveli District of Tamil Nadu	R.S. Suja Rose , P.Ilangovan and N. Krishnan
14 th IGI Conference	28 th -30 th , Dec 2001	Department of Geology, Annamalai University, Annamalainagar	Identification of surface water and mapping of surfacial changes in water resources during monsoon seasons using Remote Sensing Techniques	R.S. Suja Rose , N.Sudhagar, P.Ilangovan and N. Krishnan
UGC National Seminar	09 th – 10 th , Feb 2001	Center of Rural Development, Annamalai University	Land use / Land cover study of urban environment using Remote sensing data products- Madurai city & its environ	R.S. Suja Rose , P.Ilangovan and N. Krishnan
National Symposium	2001	Osmania University, Hyderabad	Impact of Urban Sprawl on Agricultural Land use of Madurai City Environ- A study using Conventional and Multi-date Satellite Data	N.Sudhagar, R.S. Suja Rose , P.Ilangovan and N. Krishnan
National Seminar	24 th – 25 th , Mar 2001	Tamil University, Thanjavur	Remote Sensing & GIS Applications to Integrated Coastal Zone Management	R.S. Suja Rose , P.Ilangovan and N. Krishnan

CONFERENCE/WORKSHOP/SEMINAR/TRAINING ORGANIZED

Type	Name	Date(s)	Place	Role Played	Funding Agency
EDUSAT online IIRS Outreach Program	Geographical Information System and GNSS	25 th Sep to 10 th Nov, 2017	MKU	Co-ordinator	-
EDUSAT online IIRS Outreach Program	Hyperspectral Remote Sensing and its Applications	18 th – 21 st Sep, 2017	MKU	Co-ordinator	-
EDUSAT online IIRS Outreach Program	Basics of Remote Sensing, GNSS and GIS	21 st Aug – 1 st Dec, 2017	MKU	Co-ordinator	-
EDUSAT online IIRS Outreach Program	UAV Remote Sensing and its Applications	3 rd - 7 th July, 2017	MKU	Co-ordinator	-
EDUSAT online IIRS Outreach Program	RS and GIS applications in Water resource management	22 nd May – 9 th June 2017	MKU	Co-ordinator	-
EDUSAT online IIRS Outreach Program	Microwave Radar Remote Sensing and its Applications	10 th – 28 th Apr, 2017	MKU	Co-ordinator	-
EDUSAT online IIRS Outreach Program	RS and GIS Application in Carbon forestry	16 th Feb – 10 th Mar 2017	MKU	Co-ordinator	-
EDUSAT online IIRS Outreach Program	Basics of Remote Sensing, GNSS and GIS	22 nd Aug - 18 th Nov 2017	MKU	Co-ordinator	-
EDUSAT online IIRS Outreach Program	Geoweb Services and Geoportal Applications	28 th Jun – 15 th Jul, 2016	MKU	Co-ordinator	-
EDUSAT online IIRS Outreach Program	Geospatial technologies for Urban Planning	11 th Feb – 15 th Mar, 2016	MKU	Co-ordinator	-
National Conference	GEOTREE	13 th & 14 th Aug 2015	MKU	Organising Committee Member	-
EDUSAT online IIRS Outreach Program	Basics of Remote sensing, GNSS and GIS	10 th Aug – 30 th Nov, 2015	MKU	Co-ordinator	-
National Conference	LU/LC Changes and its Impact: Spatial Challenges and Geospatial Technologies	19 th & 20 th Feb 2015	MKU	Organising Committee Member	-
EDUSAT online IIRS Outreach Program	Applications of RS and GIS for Natural Resources	Feb – Mar, 2014	MKU	Co-ordinator	-
Lecture cum Interaction Program	Making Use of Opportunities	26 th Feb, 2014	Equal Opportunity Cell Activity, MKU	Organising Secretary	31000/-
EDUSAT online IIRS Outreach Program	Basics of Remote sensing, GNSS and GIS	Aug 2013 – Nov 2013	MKU	Co-ordinator	-
EDUSAT online IIRS Outreach Program	Geoweb Services – Technology and Applications	Feb – Mar 2013	MKU	Co-ordinator	-

National Conference	Atomic Energy for Socio economic Development of the country	2 nd Sep 2013	MKU	Organising Committee Member	-
National Conference	GEOTERM	17 th & 18 th Feb, 2012	MKU	Organising Committee Member	-
National Conference	EMFROG	21 st - 22 nd Mar, 2011	MKU	Organising Committee Member	-

BOOK PUBLISHED

Title of the Book / Chapter	Author	Publisher	Year	ISBN Number
A study on the spectral reflectance response of suspended sediments in surface water bodies of the coastal zone of south velar watershed, Tamil Nadu using Geo-information technology.	Lakshmi.M Suja Rose.R.S	Shanlax Publications, Madurai,	2017	38-43
Participatory GIS for irrigation management in Periyar Main canal command area - A case study of Kumaram Village, Madurai District.	Manonmani.R Suja Rose.R.S	Shanlax Publications, Madurai,	2017	226-231
A geospatial approach of rainfall distribution using trend analysis: A case study in southern districts of Tamilnadu	Shabira Begum.M Suja Rose.R.S	Shanlax Publications, Madurai,	2017	237-242
A study on the impacts of climatic parameters in agricultural land use of Kariapatti Taluk, Virudhunagar district using Geoinformatic technology	Nithya. D Suja Rose.R.S	Vergal Publication	2016	23-30
Monitoring the impact of Periyar Main canal in Agricultural Land use of its command area using remote sensing	Manonmani.R Suja Rose.R.S	Vergal Publication	2016	31-39
Assessment of Agricultural Drought Vulnerability in Tiruchuli Taluk of Virudhunagar District using Image Indices	Nithya. D Suja Rose.R.S	Shanlax Publications, Madurai,	2015	211-219 (Vol.II)
Crop type identification using high resolution satellite image- A comparative study of Melakkal and Thiruvudagam villages of vadipatti block in Madurai district	Manonmani. R Abilash. S.G. Suja Rose.R.S	Shanlax Publications, Madurai,	2015	239-247 (Vol.II)
Assessment of value added Satellite Image Processing System: A Case study using WorldView 2 satellite imagery of Maducang and SanAndres Islands, Philippines.	Achu.A.L. Suja Rose.R.S	Shanlax Publications, Madurai,	2015	246-255 (Vol. I)

Geoinformatics for Spatial Planning / Digital Mapping of Resources using Remote Sensing and GIS: A Case Study of Chinnamanur C.D. Block in Theni District, Tamil Nadu.	M. Lakshmi , R.S. Suja Rose and N.Krishnan	Dept. of Geography, Osmania University, Hyderabad	2009	
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MEMBERSHIP IN ACADEMIC BODIES

- Member, Equal Opportunity cell
- Member, Internal Quality Assurance cell
- Special Invitee, Board of studies, M.Sc. Geoinformatics, Gandhigram Rural Institute
- Special Invitee, Board of studies, PG diploma in Spatial technologies, Gandhigram Rural Institute
- Member, Board of studies, PG diploma and Certificate Program in Remote sensing, Lady Doak College
- Chairman, Question Paper Board, M.Sc. Geoinformatics, Gandhigram Rural Institute
- Chairman, Question Paper Board, M.Sc. Geoinformatics, Gandhigram Rural Institute
- Member, Question Paper Board, Lady Doak College, Madurai
- Deputy Warden in Thamarai and Malligai Women's Hostel, Madurai Kamaraj University

MEMBERSHIP IN PROFESSIONAL BODIES

- Indian Society of Geomatics, Ahmedabad - Life Member
- Indian Geographical Society, Chennai - Life Member
- Scientific Society of Advanced Research & Social Change, Ghaziabad, Uttar Pradesh - Fellow Member & Life Member
- Journal of Space Science and Technology - Editorial Board Member
- Journal of Spatial Hydrology – Reviewer
- Journal of vector borne Diseases - Reviewer

ADMINISTRATIVE EXPERIENCE

Role Played	Responsibilities	Period (Month & Year)
Head i/c Department of Environmental Remote Sensing and Cartography	Coordinating academic activities and conducting the M.Sc. Program	July 2013 till date
Member, Equal Opportunity cell	Assisting the activities of EOC	17 th Sep 2013 till date
Member, Internal Quality Assurance cell	Assisting the activities of IQAC	12 Aug 2014 till date
Special Invitee, Board of studies, M.Sc. Geoinformatics, Gandhigram Rural Institute	Syllabus revision	2014 to 2017

Special Invitee, Board of studies, PG diploma in Spatial technologies, Gandhigram Rural Institute	Syllabus revision	2014 to 2017
Member, Board of studies, PG diploma and Certificate Program in Remote sensing, Lady Doak College	Syllabus revision	2015 to 2018
Chairman, Question Paper Board, M.Sc. Geoinformatics, Gandhigram Rural Institute	Coordinating the question paper setters and scrutiny of questions	2014 till date
Chairman, Question Paper Board, PG diploma in Spatial technologies, Gandhigram Rural Institute	Coordinating the question paper setters and scrutiny of questions	2014 till date
Member, Question Paper Board, Lady Doak College, Madurai	Question paper setting	2014 till date
Deputy Warden in Thamarai and Malligai Women's Hostel, Madurai Kamaraj University	Hostel administration	Jul 2010 to Jul 2011
Earn While You learn Program	Supervision	Jul 2010 till date

EXTENSION ACTIVITY

Activity Name	Details of Activity	Place	Period (Month & Year)	Societal Impact(s) / Contribution(s)
Village Extension program	Conducted tree planting and Cleanliness Campaign	Thenpalanji Village, Madurai district	1 st - 15 th Sep, 2017	Awareness Program and questionnaire data collection
Lecture Broadcast	Program on Changing Climate (Maari Varum Vaanilai)	All India Radio, Madurai	22 nd Aug, 2017	Societal Awareness through Radio talk
Cultural Events	Organising Rangoli competitions for 71 st Independence Day celebration	Madurai Kamaraj University	15 th Aug, 2017	Exposing the talents of students
Invited lecture	Geo-information Technology in Urban Ecology	UGC Networking Resource Centre in Biological Sciences, School of Biological Sciences, Madurai Kamaraj University	15 th - 28 th Feb 2017	XXXIV Winter School Contemporary Ecological Issues
Interview Broadcast	Participated in the interview on Cartographic Science	All India Radio, Madurai	27 th Dec, 2016	Societal Awareness through Radio talk
Field Visit	Conducted Field Visit for students as a part of off classroom activity	Cauvery river bed and Talaimalai, Musiri	21 st Oct, 2016	Ground truth verification and making aware the student community to natural environment
Invited lecture	Geo-informatics – An application Tool	Lady Doak College, Madurai	5 th April, 2016	Awareness of Remote Sensing and GIS to Undergraduate Physics students
Interview Broadcast	Participated in the interview on Vaanilai Ariviyal	All India Radio, Madurai	22 nd Mar, 2016	Societal Awareness through Radio talk
Cultural Activities	Conducted Competitions for the women staff of the university as a part of World Women's Day celebrations, 2016	MKU	8 th March, 2016	Exposing the talents of Women Staff of MKU

Invited Lecture	Delivered lecture to Engineers	TWAD Board	29 Jan 2015	Formulation of water supply projects using GIS
Field Visit	Conducted Field Visit for students as a part of off classroom activity	Ramnad, Rameswaram and Thanuskodi	August, 2014	Ground truth verification and making aware the student community to natural environment
Cultural Activities	Fresher's Day and Farewell Day Celebrations	MKU	Every Year	Exposing the talents of students
Cultural Activities	Cultural Activities – Onam, Pongal	MKU	Every Year	Exposing the talents of students
Placement	Placement - NEST	MKU	July, 2013	Placement of students
Invited Lecture	Four lectures on Remote Sensing, GIS and GPS	SBIOA School, Nagamalai	24.10.2013 26.10.2013	Awareness program
Field Visit	Conducted Field Visit for students as a part of off classroom activity	MKU	3 Mar - 17Mar 2013	Ground truth verification and making aware the student community to natural environment
Invited Lecture	Remote Sensing and its Applications in Bioresource Management	XXVII-UGC NRCBS Winter School, School of Biological Sciences	09.10.2012	Awareness lecture
Invited Lecture	Geoinformatics for Agricultural Planners	Village Level Information Management System for Local planners, Dept. Of Geography, Govt. Arts College, Karur	29.09.2012	Awareness lecture
Invited Lecture	Basics of Remote Sensing and its Applications in Wildlife and Biodiversity Studies	Women's Christian College, Nagercoil	24 th August 2012	Awareness lecture
Field Visit	Conducted Field Visit for students as a part of off classroom activity	Parts of Virudhunagar district, Papanasam and Agasthiarmalai biosphere reserve	23 rd & 24 th Mar, 2012	Ground truth verification and making aware the student community to natural environment
Conducted Competitions	Conducted Competitions for the students of the university	World Women's Day celebrations, organised by MUFA and Women's Studies Centre, MKU.	8 th March, 2012	Exposing the talents of Women Staff of MKU
Field Visit	Conducted Field Visit for students as a part of off classroom activity	Kadavur, Cuddalur, Pondicherry, Ariyalur and Pitchavaram Mangroves	1 st to 3 rd March, 2012	Ground truth verification and making aware the student community to natural environment
Field Visit	Conducted Field Visit for students as a part of off classroom activity	River Vaigai catchment area of Theni District	23 rd & 24 th Sep, 2011	Ground truth verification and making aware the student community to natural environment
Field Visit	Conducted Field Visit for students as a part of off classroom activity	Periyar Command area	28 th March, 2011	Ground truth verification and making aware the student community to natural environment
Field Visit	Conducted Field Visit for students as a part of off classroom activity	Rameswaram island and Thanuskodi area	23 rd March, 2011	Ground truth verification and making aware the student community to natural environment
Field Visit	Conducted Field Visit for students as a part of off classroom activity	Kodaikanal and Palani Hills and parts of Dindigul District	20 th March, 2011	Ground truth verification and making aware the student community to natural environment
Delivered lecture	1.Exposure to various Landforms and Features from Remote Sensing Data 2. Practical exposure using Global Positioning System	SBIOA Higher Secondary School, Madurai during the Science Expo, 2011	11 th to 14 th Nov, 2011	Lecture 10 th standard students

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