

## CONSULTANCY POTENTIAL



<b>1</b>	<b>Name with Designation</b>	Dr. R. S. Suja Rose	Assistant Professor & Head i/c	
<b>2</b>	<b>Department / School</b>	Environmental Remote Sensing and Cartography	School of Earth and Atmospheric Sciences	
<b>3</b>	<b>Qualification</b>	Ph.D. (05.12.2008)		
<b>4</b>	<b>Appointment with date</b>	Assistant Professor, Stage - I	12.07.2010	
<b>5</b>	<b>DOB and Age</b>	02.06.1977	42	
<b>6</b>	<b>Research</b>			
	<b>Title of Ph.D. Research</b>	A Spatio-temporal analysis of water resources using Remote Sensing and GIS: An approach to Environmental Planning		
	<b>Field of specification in Ph.D.</b>	Geoinformatics in Water resources Studies		
	<b>Broad Field of Research</b>	Remote Sensing, GIS and GNSS Applications of Geoinformatics in agriculture, soil and water		
	<b>Area of expertise</b>	Urban, climate change, drought and irrigation studies		
	<b>No. of years of research experience</b>	19 years		
	<b>Research Guidance</b>	<b>M.Sc. - 20</b>	<b>Ph.D. - 10</b>	
			Awarded - 5	Ongoing - 5
	<b>Title of Ph.D. Guidance</b>	<ul style="list-style-type: none"> <li>• An Analysis of road network structure, Travel behaviour and pattern of city bus flow in Madurai Metropolitan area using GIS</li> <li>• Impact of Road Transport on Urban Land use/Land cover using GIS: A Case Study on Madurai Metropolitan Region</li> <li>• Assessment, Vulnerability, Adaptation and Mitigation of Agricultural Drought: A Case Study of Virudhunagar District</li> <li>• Participatory GIS for Irrigation Management - A case study of Periyar Main Canal Command Area</li> <li>• Effect of climate change on Agriculture: A study in the southern Districts of Tamil Nadu using Geoinformatics</li> <li>• An Approach to infrastructural planning: A spatial Decision support system for Viruthunagar District using Geoinformation Technology</li> <li>• Land use and Land evaluation for sustainable agricultural development in uthamapalayam taluk using Remote sensing and GIS</li> <li>• Water resources and irrigation management using Remote Sensing and GIS techniques in Uppar Gundar Basin of Tamil Nadu, India</li> <li>• Surface water quality and its environmental problems: A study in the coastal zone of South Vellar watershed, Tamil Nadu using Geoinformation Technology</li> </ul>		
	<b>Total Number of Publications:</b>	<b>International Journals / books</b>	<b>National Journals / books</b>	<b>National / International conference</b>
		4	15	70
	<b>Total number of Citation</b>	56 (Google scholar)		

7	<b>Contribution in product / process development</b>	Digitization and preparing maps for various applications Cadastral map interpretation and database preparation Recommendations and suggestions for selecting suitable sites Survey using GPS, Total station and GPR Analysis using satellite images
8	<b>Type of consultancy services</b>	
	<b>Client / Organization's name</b>	<b>Nature of Assignment</b>
	Public Works Department	Geotagging of tanks and other earth features
	COS Consultancy Services	Digitization of cadastral maps for land surveys
	Govt. of India, ISRO	Asset Mapping using Mobile application in the selected Gram Panchayats
	Govt. of India UNDP and Madurai Corporation	Hazard Risk Vulnerability Assessment in Madurai Corporation
	Special Officer / Legal Commissioner	Monitoring the status of Water Bodies and Vegetation in Quarries
	Private and Govt. industries and sectors	Certification for Site suitability for the establishment and extension of industrial units
9	<b>Available Infrastructure in the department</b> Survey of India toposheets Cadastral Maps in and around Madurai Satellite imageries Aerial photographs Census of India databases Climatic data for selected years and area Digital Atlas for ten southern districts Arc GIS ERDAS LPS Photogrammetric Suite Open source GIS softwares GPS Total Station Ground Penetrating Radar	

