



**MADURAI KAMARAJ UNIVERSITY**  
**(UNIVERSITY WITH POTENTIAL FOR EXCELLENCE)**

**MADURAI – 625 021**



## **School of Earth and Atmospheric Sciences**

### **Constituent Departments**

**Department of Geography**  
**Department of Environmental Remote sensing and Cartography**  
**Department of Future Studies**

### **School History**

The school had its humble origin in the year 1971 when the Department of Geography, one of the constituent departments of the School was established under the Leadership of (Late) Dr. A. R. Irawathy, an Eminent Geographer. In the department M.Sc., M. Phil., and Ph.D., Programmes are being taught to cater to the growing needs of the society. The department has richly contributed in various fields like urban geography, Transport Geography, Cartography, Medical Geography, Agricultural Geography, Remote Sensing and GIS. It is one of the pioneering institutes in India to introduce Air Photo Interpretation as a part of the courses as early as 1972.

In the year 1992, in order to meet the growing demands for man power in the emerging fields of Remote Sensing and Geographical Information System (GIS), a new department of Environmental Remote Sensing and Cartography (ERAC) was created. To provide opportunities for young minds from various disciplines like Geography, Geology, Natural Sciences and Civil Engineering, a new M.Sc., programme namely, Environmental Remote Sensing and Cartography (ERS&C) was introduced in 1996. The above course was completely revised and renamed as M.Sc., Earth Remote Sensing and Geo-Information Technology (ERS & GIT) and brought under CBCS in 2002. The department also provides facilities for research. In the year 2013 yet another department of Future Studies was attached with school. It has been supported by the UGC by considering the importance of the inter-disciplinary approach in the – state – art technologies.

### **Courses Offered:**

- => M. Sc. Geography
- => M. Phil. Geography
- => Ph. D. Geography
- => Advanced P. G Diploma in GIS & RS Applications
- => M. Sc. Earth Remote Sensing and Geo-Information Technology
- => Ph.D. Remote Sensing and GIT
- => Ph.D. in Futures Studies

## Faculty Profile

### Department of Geography

#### **Dr. V. Emayavaramban M.Sc., Ph.D.,**

Associate Professor & Head, Chairperson (i/c).

Specialized area of Research : Coastal Management, Biogeography

Phone : 09487650046

Email address : emayam\_1974@yahoo.co.in

drvseas@mkuniversity.org



#### **Dr. V. Saravanabavan, M.Sc., M.Phil., Ph.D.,**

Assistant Professor

Specialized area of Research : Medical Geography, GIS

Phone : 9443881909

Email address : vsaravanabavan@gmail.com,

vsaravanabavan@yahoo.com



#### **Dr. V. Thangamani, M.Sc., Ph.D.,**

Assistant Professor

Specialized area of Research : Geomorphology, Remote Sensing and GIS

Phone : 09787426308

Email address : vsrithangamani@yahoo.com,

vsrithangamani@gmail.com



#### **Dr. I. K. Manonmani, M.Sc., M.Phil., Ph.D.,**

Assistant Professor

Specialized area of Research : Urban Geography, Population Geography

Phone : 09442027300

Email address : ikmm141@rediffmail.com



### Department of ERAC

#### **Dr. R. S. Suja Rose, M.Sc., Ph.D.,**

Assistant Professor

Specialized area of Research : Remote Sensing, GIS and GNSS

Phone : 94880 11660

Email address : rssrseas@mkuniversity.org,

rssujarose@yahoo.co.in



### Department of Futures Studies

#### **Dr. R. Rajkumar, M.Sc., Ph.D.,**

Assistant Professor

Specialized area of Research : Sociology, Agricultural Sciences

Phone : 9443424298

Email address : raj.sekaran67@gmail.com,



## Ongoing Projects:

**Dr. V. Emayavaramban**

**“Evaluation of Nesting ground and breeding season of olive Ridley (sea turtle) in Nagappattinam coast using GIS and GPS ” SERB, New Delhi.**

**Dr.V Saravanabavn, Co-PI**

**“An assessment of Soil Erosion and remedial measures in Parts of Upper Vaigai River basin of Tamil Nadu State using Remote Sensing and GIS”. DST- NRDMS.**

## Major Events: Surveying instruments of DGPS and GPR



## Cultural Program and Festivals



## Infrastructural Facilities:

The cartographic lab is equipped with tracers, mirror stereoscopes and other Hi-tech mapping equipments used in visible interpretation of Satellite Imageries and is having a rich collection of 1500 maps of SOI Toposheets, U.S and O.S Landuse sheets, Taluk, District and other wall maps, Globes, etc. The School also has the facilities of well equipped survey instruments such as DGPS, Total Station and GPR.

While the Geography lab of the school has a LAN connected fully equipped GIS lab with 16 nodes having software packages like Geo Media Pro-V5, ENViMicrostation V5, Map Info V7, etc., the Remote Sensing Satellite Image processing GIS lab is also equipped with 12 nodes having software packages like IDRISI, Geo Media Pro V6, Geo Media Grid V6, PCMAP-GIS V3.8 Pro, PC-GPS V3.7, ARC View – V3.2. The internet provision is also available for scholars and students.





## **Awards and Achievements:**

### **By School/ Department**

Dr. V. Emayavaramban Co - Ordinator, UGC SAP -DRS Phase- II - Geography

### **By Faculty Members**

Dr. V. Saravanabavan, Assistant Professor in Geography has received 'Best Paper Award in the National Conference on Health and Medical care Services, claims on National Resources' conducted by the Department of Economics, Annamalai University on 20<sup>th</sup> and 21<sup>st</sup> December 2012.

Dr. V. Saravanabavan, Assistant Professor in Geography has received International award from the National Science Foundation (USA NSF) ,USA for attending the 15<sup>th</sup> International Medical Symposium at Michigan State University, East Lansing, USA. On July 7<sup>th</sup> -12<sup>th</sup> 2013.

Dr. Suja Rose, Assistant Professor, ERAC, acted as a coordinator for certificate programs both on the Basics of Remote Sensing, GIS and GNSS and the Advances in Geo-informatics conducted by the Institute of Remote Sensing, Dehradun through EDUSAT distance learning program by online mode.

## **Extension Activities –**

### **Village Adoption, Survey and Tree Planting in Thenpazhanji Village, Madurai**



## **Contact Details:**

### **Dr. V. Emayavaramban**

Head and Chairperson (i/c)

School of Earth and Atmospheric Sciences

Madurai Kamaraj University

Palkalai Nagar

Madurai - 625 021.

Mobile :+91 94876 50046

E - Mail id :drveseas@mkuniversity.org ; emayam\_1974@yahoo.co.in