

# Dr.V.THANGAMANI

ASSISTANT PROFESSOR

Department of Geography.

School of Earth and Atmospheric  
Sciences



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

**Professional Experience** : 1). Teaching 18 years  
2). Research 23 years

## FIELD OF SPECIALIZATION

- GEOMORPHOLOGY
- POPULATION GEOGRAPHY
- REMOTE SENSING AND GIS

## RESEARCH SPECIALIZATION

- GEOMORPHOLOGY
- LAND USE STUDIES
- GROUNDWATER RESORUCES
- CLIMATALOLOGY

**Research Supervision:**

Program	Completed	Ongoing
Ph.D	03	05
M.Phil	16	02

**PROFESSIONAL EXPERIENCE**

No	Institution	Position	From (date)	To (date)	Duration
1	Institute for Social and Economic Change, Nagarbhavi, Bangalore - 72	Research Associate	3-05-98	28-2-1999	11 months
2	Department of Geography, SriKrishnadevaraya University, Anantapur Andhra Pradesh 515003	Research Associate	2000	2005	5 years
3	Department of Geography, Madurai Kamaraj University, School of Earth and Atmospheric Sciences Madurai – 625 021 Tamil Nadu	Research Associate	5-5-207	7-7-2009	2 years 3 months
4	Assistant Professor, , Department of Geography, Government Arts College, Reace course Road, Coimbatore-18. Tamil Nadu	Assistant Professor	9-07-2009	23-04-2010	8 months
5	Department of Geography, Madurai	Assistant Professor	24-04-2010	Till date	

	<b>Kamaraj University, School of Earth and Atmospheric Sciences Madurai – 625 021 Tamil Nadu</b>				

### RESEARCH COLLABORATION (BOTH NATIONAL & INTERNATIONAL)

Name of the Collaborator	Institute	Collaboration Details	Collaboration Output ( Papers/Patents/Research/Online)

### COMPLETED RESEARCH PROJECT

No	Title of the Project	Funding Agency	Total Grant	Year
1	<b>Evaluation of land and water resources for sustainable development of land use using Geo informatics: A case of Tambaraparani River Basin.</b>	<b>UGC</b>	<b>11,69,800</b>	<b>1-04.2013 to 30-03-2017</b>

## PUBLICATIONS

### National level

- 1) **Dr.V.Thangamani, and Dr.M.Sambasiva Rao**, ``Water Balance of the Palar Basin India`` The Indian Geographical Journal, 2002, Vol.77 (1). ISSN 0019 - 4824
- 2) **Dr. Sambasiva Rao and Dr. V.Thangamani et.al**, ``Drought Occurrence water balance and Watershed Development of Anantapur District`` The Decan Geographer Pune, 2004, Vol; 42 no: 1, ISSN 0011-7269.
- 3) **Dr.V.Thangamani, and Dr.M.Sambasiva Rao** ``Land Capability of Palar river basin using Remote Sensing Technique``, The Decan Geographer Pune, 2007, Vol.45, Page no: 9 to 18. ISSN-0011-7269.
- 4) **Manu .N. Nair and Dr.V.Thangamani** `` A Study on Spatio – Temporal Changes of General Land use in Madurai East Block using GIS. Seminar proceedings published, Department of Geography, Madurai Kamaraj University, Madurai -21. Feb. 19 and 20<sup>th</sup> 2015, ISBN NO: 978-93-80686-03-5.
- 5) **S.Bharathi, and Dr.V.Thangamani** `` Land use and Cropping patterns of Madurai South and North Taluks of Madurai District, Tamil Nadu,India., Bangalore University, Journal published 2015, page no: 220-238, ISBN no: ISBN NO;978-93-8686-03-5.()
- 6) **M.Kiruthiga, Dr.V.Thangamani**, *Spatial Analysis of Land Use Pattern in Vaippar River, Tamil Nadu*, Journal published by Department of Geography, 2015, page no: 131 -141, ISBN NO; 978-93-8686-03-5.
- 7) **Arivalagan, Dr.V.Thangamani and Dr.G.R.Parthasarathy**. *Spatio – Temporal Pattern of Sex Ratio and Female Work Participation Rate in Madurai District – Using GIS* 2015, page no: 583 – 587. ISBN: 978-93-84193-36-2.
- 8) **M. Kiruthiga and Dr.V.Thangamani On** `` Spatial Analysis of Land Use Pattern in Vaippar River

*Basin, Tamil Nadu*, Seminar proceedings published, Department of Geography, Madurai Kamaraj University, Madurai -21. Feb. 19 and 20<sup>th</sup> 2015, ISBN NO: 978-93-80686-03-5 .

- 9) **S.Bharathi and Dr.V.Thangamani** `` *Land Use and Land Cover Change in Madurai a Metropolitan Area using Remote Sensing Analysis*. Journal published, Department of Geography, Madurai Kamaraj University, Madurai -21. Feb. 19 and 20<sup>th</sup> 2015, ISBN NO: 978-93-80686-03-5
- 10) **Dr. Sarath Lele & Dr. V. Thangamani** et al., “*Intergrating high-resolution vegetation Mapping with village level tenurial and Socio-Economic data for forest Management* ” *Interface* - A bulletin from the NRSA DATA centre. Hyderabad, 1999, Vo110, NO: 3, ISSN NO: 0971-7021.
- 11) **M.Kirthiga and Dr.V.Thangamani**, ``*Land use and Morphometric Analysis of Deviar – Nagariar Sub watershed, Vaippar Basin – A Geospatial approach*. UGC sponsored National seminar proceedings with ISBN Number 978-14675-1870-3, Organized by Center for Geo Technology, Manonmaniam Sundarnar University, Tirunelveli, pp. 50 -56.
- 12) **Arivalagan, Dr.V.Thangamani &G.R.Parthasarathy** `` *Identification of Inter Relationship Factors Between Land Use and Demographic Charactgeristics of Vadipatti Block, Madurai District*. Seminar proceedings published, Department of Geography, Madurai Kamaraj University, Madurai - 21. Feb. 19 and 20<sup>th</sup> 2015, ISBN NO: 978-93-80686-03-5.
- 13) **Mr.V.Arivalagan,Dr.G.R.Parthasarathy and Dr.V.Thangamani** `` *Spatial Pattern of Occupational Structure in Kottampatti Block Madurai District Tamil Nadu – A GIS approach; Population Dynamism & Resources Utilization, Volume No: 1, ``Population Composition and Development`` 2015*. Department of Geography, Aligarh Muslim University Aligarh -202 002. Uttar Pradesh, India. ISBN: 978-93-83931 – 18-7.
- 14) **Mr. Manu .N. Nair and Dr.V.Thangamani** `` *An analysis of Temporal Variations of Road Traffic Accidents in Kerala using GIS*. Seminar proceedings published, Department of Geography, Madurai Kamaraj University, Madurai -21. Feb. 19 and 20<sup>th</sup> 2015, ISBN NO: 978-93-80686-03-5.
- 15) **Miss Sreelakshmy and Dr.V.Thangamani** `` *Evaluation of Groundwater Resources in Palakkad District Kerala, 2015*, Seminar book Edited by V.Saravanabavan, Department of Geography,

M.K.University, Madurai. 2015 Page no: 87-95, ISBN no: 978-93-84193-36-2.).

- 16) **Manu.N.Nair, Ahmed Amirsha. P.V, Sneha Chandren BK and Dr.V.Thangamani** ``*Environmental Attitudes and Environmental Awareness among High School Students: A Case Study – Thiruvananthapuram, Kerala.*`` Seminar book Edited by V.Saravanabavan, Department of Geography, M.K.University, Madurai. 2015, Page no: 260-263.
- 17) **Alaguraja P., Thangamani.V., Banukumar.K., Yuvaraj.D.,** `` *Geospatial assessment of rainfall and Groundwater for Agriculture of Tiruchirappalli District, Tamil Nadu, India. Jayalakshmi publication, Book Edited by Dr.I.K. Manonmani, ISBN: 978 -93-84193 -61 - 4.*
- 18) **Mr.V.Arivalagan,Dr.G.R.Parthasarathy and Dr.V.Thangamani** `` *Geospatial Analysis Of Selected Demographic Parameters For Comprehensive Rural Development Planning Strategy :A Case Study Of Madurai District,Tamli Nadu,Indian cartographer /vol.35/2015 pp 499-505*

#### **International level**

- 1) **V.Thangamani and Mrs, S.Bharathi** , `` *Impact of Urbanization on Agricultural land use changes in Madurai Metropolitan area and its Environs, Tamil Nadu, India. A Journal of Radix International Journal of Research in Science., Volume-4, Issue 2 (February, 2015) ISSN: 2250-3994.*
- 2) **Manu N. Nair and Dr.V.Thangamani**, on `` *An analysis of spatially Explicit Scenario of Road Traffic Accidents in Kerala Using GIS. International Journal of Science & Research, Volume 4, Issue 10, October 2015. ISSN 2319-7064.*
- 3) **Karthika Krishnan & V.Thangamani**, *Qualitative appraisal of areal parameters in morphometry study of Malatar river Basin``.Best Journals International Journal of Humanitics, Arts, Medicine and Science (BEST: IJHAMS) ISSN (p):2348 -0521, ISSN (e):2454 – 4728 Vol.4, Issue 1, Jan 2016, 137 – 142.*
- 4) **Alaguraja., P.Rejesh., M. Yuvaraj.D., Thangamani .V. and Manivel .M.**``*Morphometric ananlysis of Sarabanga Basin for sustainable water resource Management using Geoinformatics & Arc Objects with VB Customization, Tamil Nadu. UGC Approved journal. International journal of creative research thoughts/ ISSN: 2320 – 2882. AN International open Access Journal. Issue 2, 2018 pp-145-149, ISSN NO: 2279-543X DOI: 16.10089. IJSRR. 2018. V7I02. 287391.2195, UGC Approved No: 64650, impact Factor: 6.1*
- 5) **Saminathan .M , Alaguraja .P, Yuvaraj .D and Thangamani**, *Spatial Distribution and*

*Infrastructure of Tribal Residential Schools in Udmalpet Taluk, Tirupur District, Tamil Nadu, International Journal of Scientific Research and Review, Volume 7, Issue 2, 2018 pp-145-149, ISSN NO: 2279-543X DOI: 16.10089.IJSRR .2018.V7I02. 287391.2195, UGC Approved No: 64650, impact Factor: 6.1*

- 6) **Manu.N.Nair and Dr.V.Thangamani**, *A Geospatial Overview Of Road Traffic Collisions And Hotspot Analysis , International Journal For Research in Applied Science & Engineering Technology, Volume 6,Issue III, March 2018.*

### Books/ Monographs:

1. Monography on **Landforms ( UGC – UPE PROJECT )**  
January – 2009.
2. Land use and Land Capability in Vaigai – Vaippar basins.  
March – 2012.

### PAPER PRESENTED IN CONFERENCE/SEMINAR/WORKSHOP

Name of the Conference	Date	Place	Title	Author(s)
Emerging Frontiers in Geomatic Applications- EMFROG 2011	21 <sup>st</sup> & 22 <sup>nd</sup> March, 2011	Madurai Kamaraj University	“Sustainable Land Use in Arjuna Nadi Sub Watershed of Vaippar Basin Using GIS	M.Kirithiga & Dr. V.Thangamani
Population Dynamism and Sustainable Resource Development	25 <sup>th</sup> & 27 <sup>th</sup> March, 2012	Department of Geography, Aligarh Muslim University, Aligarh (U.P), India	Spatial Pattern of Occupational Structure in Kottampatti Block Madurai District Tamilnadu - A GIS Approach	V.Arivalagan, Dr.G.R .Parthasarathy, & Dr. V. Thangamani)
Planning Strategies for Reginal Development	21 <sup>st</sup> & 22 <sup>nd</sup> March, 2012	Department of Geography, Sri Venkateswara	Land Use Classification and Demographic Characteristics in	V.Arivalagan, Dr.G.R .Parthasarathy, & Dr. V.

		University, Tirupathi, Andhra Pradesh	Madurai West Block Madurai District – A GIS Approach	<i>Thangamani)</i>
Geospatial Solutions for Resource Conservation and management	18 <sup>th</sup> to 19 <sup>th</sup> January, 2012	Karnataka state Remote Sensing Applications Centre (KSRAC), hosted by J. N.Tata Auditorium, Indian Institute of Science, Bangalore	<i>Geographical Analysis of Land Use Classification in Kayalkudiar Sub Watershed of Vaippar Basin, Tamil Nadu Using GIS</i>	M.Kirithiga & Dr. V.Thangamani
Geospatial Technology for Resource Evaluation and Management	17 <sup>th</sup> & 18 <sup>th</sup> February, 2012	Department of Geography, Madurai Kamaraj University, Madurai	Land Use Planning at Kalingalar – Niksheba Nadi Sub Watershed of Vaippar Basin Using GIS	M.Kirithiga & Dr. V.Thangamani.
Geospatial Technology Developments in Natural Resource and Disaster Management	23 <sup>rd</sup> & 24 <sup>th</sup> February, 2012.	Centre for Geotechnolog y, Manonmania m Sundarnar University, Turunelveli	Land Use and Morphometric Analysis of Deviar - Nagariar Sub Watershed, Vaippar Basin – A Geospatial Approach	M.Kirithiga & Dr. V.Thangamani.
Climatic Change Trends, Impact and Implications		Department of Geography, Govt. Arts College, Coimbatore – 18	Spatial analysis of Rainfall variation in Vaippar Basin, Tamil Nadu using GIS	M.Kirithiga & Dr. V.Thangamani.
UGC national Séminar		Center for Geo Technology, Manonmania m Sundarnar University	Land Use and Morphometric Analysis of Deviar – Nagariar Sub Watershed, Vaippar Basin – A Geographical approach in the UGC Na	M.Kirithiga & Dr. V.Thangamani.
UGC national Séminar	Feb. 19 and 20 <sup>th</sup>	Department of Geography,	Spatial Analysis of Land Use	M.Kirithiga &



	2015	Madurai Kamaraj University, Madurai -21	Pattern in Vaippar River Basin, Tamil Nadu	Dr. V.Thangamani.
UGC national Séminar	Feb. 19 and 20 <sup>th</sup> 2015,	Department of Geography, Madurai Kamaraj University, Madurai -21	Land Use and Land Cover Change in Madurai aMetropolitan Area using Remote Sensing Analysis.	S.Bharathi and Dr.V.Thangamani
Geo-spatial technologies for resource evaluation and environment	Aug.13& 14, 2015	Department of Geography, Madurai Kamaraj University, Madurai -21	Spatio-temporal patterns of sex ratio and female work participation rate in madurai disrict using GIS	<i>V.Arivalagan, Dr. V. Thangamani &amp; Dr.G.R .Parthasarathy</i>

## MEMBERSHIP IN ACADEMIC BODIES

- Board of Studies Member, Department of Geography, Madurai Kamaraj University, Madurai
- Board of Studies Member, Department of Geography, Sri Meenakshi Govt. Arts College For Women Madurai
- Board of Studies Member, Department of Geography, MV Muthiah Government Arts College for Women, Dindigul

## MEMBERSHIP IN PROFESSIONAL BODIES

- Life Member in Indian Geographical Society, India
- Life Member in Deccan geographer , Pune
- Life Member in Union Of Geographic Information Technologists (UGIT),Bangalore

## INTELLECTUAL PROPERTY RIGHTS (Patents)

- NIL

## CONTACT

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