

**NIRMALA COLLEGE FOR WOMEN (AUTONOMOUS),  
COIMBATORE.**

**STAFF PROFILE**

**NAME** : Dr. M. Sreelakshmy.  
**DESIGNATION** : Assistant Professor.  
**DEPARTMENT** : Geography.  
**QUALIFICATION** : M.Sc., B.Ed., M.Phil., Ph.D.  
**EXPERIENCE** : 12 years.  
**AREAS OF SPECIALIZATION** : Land Use Studies, Water Resource Management, Remote Sensing.  
**E-MAIL** : sreelumohan2010@gmail.com  
**ACADEMIC QUALIFICATIONS** : M.Sc., B.Ed., M.Phil., Ph.D.

DEGREE	YEAR OF COMPLETION	NAME OF THE INSTITUTION	CLASS
High School	2004	CBSE	First Class
Higher Secondary	2006	CBSE	First Class
B. A	2009	University of Calicut	First class with Distinction (Second Rank Holder)
B. Ed.	2012	Tamil Nadu Teachers Education University	First class with Distinction
M.Sc.	2011	Madurai Kamaraj University	First class with Distinction (Second Rank Holder)
M.Phil.	2013	Madurai Kamaraj University	First class with Distinction
Ph.D	2023	Madurai Kamaraj University	
UGC-NET	2014	UGC NET	

**ADDITIONAL QUALIFICATIONS:**

DIPLOMA/ VOCATIONAL/ CERTIFICATION	AREA OF SPECIALIZATION	NAME OF THE INSTITUTION/ UNIVERSITY/ AGENCY	YEAR
N.A			

**RESEARCH GUIDANCE:**

PROGRAMME	NO. OF SCHOLARS	
	COMPLETED	PURSUING

<b>Ph.D</b>	-	
<b>M.Phil</b>	-	

## RESEARCH PUBLICATIONS:

### INTERNATIONAL:

- [1] **Sreelakshmy M, Dhanusree M & Dr.V.Thangamani**, Application of GIS techniques to understand the geomorphometric characteristics of a tropical watershed in South India., *Geology, Ecology & Landscapes*, July 2021, DOI: 10.1080/24749508.2021.1952749.
- [2] **Sreelakshmy.M,** Rubrique solstices et équinoxes, *Confins*, 53, 2021. <https://doi.org/10.4000/confins.43320>
- [3] **Sreelakshmy M & Dhanusree M,** (2023) Assessment of Long-Term Trend of Rainfall of a Tropical Watershed- A Case Study From South India, *Indian Journal of Natural Sciences*, Vol.14 / Issue 79 ISSN: 0976 – 0997
- [4] **Sreelakshmy Mohan,** Equinocio de Marco, *Confins*, 54 2022, <https://doi.org/10.4000/confins.45399>
- [5] **Sreelakshmy Mohan,** Equinocio de setembro, *Confins*, 56 2022, <https://doi.org/10.4000/confins.47849>

### NATIONAL:

- [1] **Sreelakshmy M & Dhanusree M,** Groundwater quality Assessment for sustainable development by using Geospatial Techniques , **Alfomine International Journal Part A(Sciences)**2018 Vol 5, No 6, ISSN 2250-3870, 51-59.
- [2] **Sreelakshmy M & Dr.V.Thangamani,** Analysis Of Land Use / Land Cover And Change Detection Using Remote Sensing And Gis: A Case Study, **Journal of Advanced Scientific Research** 2020; 11 (2): 221-227 (UGC approved journal)
- [3] **Sreelakshmy M & Dr.V.Thangamani,** Application of Geospatial techniques in delineation of groundwater potential zones of Vannathangarai watershed of Noyyal river basin, Tamil Nadu, India., **Indian Journal of Geography & Environment**, 17-18 (2021) 82-93, ISSN 0972-7388. (UGC approved journal)
- [4] **Sreelakshmy M, Dhanusree M & Dr.V.Thangamani,** A spatio Temporal Analysis of selected rainfall characteristics : A case study of Vannathangarai watershed, Tamil Nadu, **Journal of Scientific Research**, (2021) 65 (3), DOI: 10.37398/JSR.2021.650306. (UGC approved journal)

## PRESENTATIONS IN CONFERENCE:

### INTERNATIONAL:

- [1] Presented paper titled “Identification of groundwater potential Zones of Vannathangarai watershed of Cauvery river basin using geospatial techniques.” in the International Conference on Emerging trends in Science & Social Science organized by VHNSN College, Virudhunagar & Institute for Integrated

Regenerative Medicine, Malaysia, during 03.05.2019 and 04.05.2019 at Kuala Lumpur, Malaysia.

- [2] Presented paper titled “Landslide Vulnerability Analysis A case study from the North Western Hilly Fringes of Palakkad Gap Region” at the International Geographical Union (IGU) held at Central University of Haryana, Mahendragarh, Haryana during 24.11.2022 and 25.11.2022
- [3] Presented paper titled “Assessing Urban Heat Islands and Climate Resilience Using GIS and Remote Sensing: A Framework for Sustainable Infrastructure Planning” at International Conference (INTROMET), conducted by Indian Institute of Tropical Meteorology, Pune from 18-20 November 2025.
- [4] Presented a paper titled “The Contribution of Geographical Science to the Development of Tamil Literature: An Analytical Study”, organised by Andaman Tamil Ilakkiya Mandram at JNRM College, Port Blair, Andaman & Nicobar islands.

#### **NATIONAL:**

- [1] Presented a paper on the title “Evaluation of groundwater Resources in Palakkad district, Kerala”, National Seminar on Geospatial technologies for Resource Evaluation & management conducted by Dept of Geography, School of Earth & Atmospheric Sciences, Madurai Kamaraj University, Madurai. (UGC- SAP-DRS sponsored) on 13.8.2015 & 14.8.2015
- [2] Presented paper on the title “Groundwater quality Assessment for sustainable development by using Geospatial Techniques”, National Seminar on Recent trends in environmental monitoring & conservation. Conducted by Department of Zoology, Alphonsa College, Pala. On 19.6.2018 & 20.6.2018.
- [3] Presented paper on the titled “Analysis of rainfall variability trend using GIS in Vannathangarai watershed of Noyyal river Basin of Tamil Nadu for sustainable development of water resources”, National Conference - Indian Geography Congress conducted by National Association of Geographers, India on 28.12.2019 and 30.12.2019 at Dr. Hari Singh Gour Vishwavidyalaya, Sagar, Madhya Pradesh
- [4] Presented paper titled “Landslide Vulnerability Analysis A case study from the North Western Hilly Fringes of Palakkad Gap Region” at the International Geographical Union (IGU) held at Central University of Haryana, Mahendragarh, Haryana during 24.11.2022 and 25.11.2022

#### **PARTICIPATION IN CONFERENCES:**

- [1] Presented paper titled “Identification of groundwater potential Zones of Vannathangarai watershed of Cauvery river basin using geospatial techniques.”, International Conference on Emerging trends in Science & Social Science organised by VHNSN College, Virudhunagar & Institute for Integrated Regenerative Medicine, Malaysia on 3.5.2019 & 4.5.2019 in Kuala Lumpur, Malaysia.
- [2] Chaired the session on “M-Governance in Social life”, International Conference on Emerging trends in Science & Social Science organised by VHNSN College,

Virudhunagar & Institute for Integrated Regenerative Medicine, Malaysia on 3.5.2019 & 4.5.2019 in Kuala Lumpur, Malaysia.

#### **PARTICIPATION IN SEMINARS:**

- [1] Participated in National Seminar on “Emerging frontiers in geomatic Applications” organized by School of Earth & Atmospheric Sciences, Madurai Kamaraj University, Madurai. (UGC- SAP-DRS sponsored).

#### **PARTICIPATION IN WORKSHOPS:**

- [1] Participated in 5 days Tier II training course on “Aquifer Information System & Aquifer Management Plan” organized by Central Groundwater Board, Kerala region.
- [2] Participated in One year long Leadership & Personality Development Course “As I Evolve” organized by Rotary Club of Coimbatore
- [3] Attended a Workshop (UGC sponsored Program) on Outcome based Education organized by IQAC, Nirmala College for Women, Coimbatore.
- [4] Attended a Workshop (UGC sponsored Program) on “Intellectual Property Rights, Patents & Copyrights” organized by IQAC, Nirmala College for Women, Coimbatore.
- [5] Participated in Hands on Training Program on “Remote Sensing, GIS & Resource Mapping” organized by Kerala State Council for Science, Technology & Environment – Kerala Forest Research Institute- Peechi.
- [6] Attended the Workshop on “MOOCs, E content development and Open Educational Resources” organized by UGC- Human resource Centre, Bharathiar University, Coimbatore.

#### **PARTICIPATION IN ORIENTATION PROGRAMME/ INDUCTION PROGRAMME/ SHORT TERM COURSES:**

- [1] Attended the 119th Orientation Programme conducted by UGC HRDC- Bharathiar University, Coimbatore.
- [2] Attended the 1st Refresher course in geography Organised by the UGC- HRDC, Jawaharlal Nehru University, New Delhi.
- [3] Attended Refresher course in Advanced Research Methodology conducted by Ramanujan College, University of Delhi.
- [4] Attended Refresher course in Environmental Sciences in North Eastern Hill University, Shillong.

#### **PARTICIPATION IN FACULTY DEVELOPMENT PROGRAMMES:**

- [1] Participated in Faculty Development Program (Under DBT Star College Scheme) on the topic “Environment Audit on Infrastructure, Extension Activity & Institutional Social Responsibility” organized by IQAC, Nirmala College for Women, Coimbatore.

- [2] Participated in Faculty Development Program (Under DBT Star College Scheme) on the topic “Hands on Training programme on Google Docs, Kahoot Apps & Online book publishing” organized by Dept of Mathematics, Nirmala College for Women, Coimbatore.
- [3] Participated in Faculty Development Program (online) on the topic Moodle Learning management system organized by Dept of Computer Science, Kaypeeyes College of Arts and Science, Kotagiri.
- [4] Participated in Faculty Development Program (online) on the topic “Current research trends in social science techniques in enhancing teaching & learning skills” organized by IQAC Idhaya College for Women, Kumbakonam.
- [5] Participated in Faculty Development Program (online) on the topic “Higher education in the VUCA World” organized by IQAC, Nirmala College for Women, Coimbatore.
- [6] Participated in Faculty Development Program (online) on the topic “Evolution from Offline to Online Teaching” organized by IQAC, SPD College, Thane & Dept of IT, University of Mumbai & Microsoft

#### **CONFERENCE/ SEMINAR/ WORKSHOP ORGANIZED:**

- [1] -
- [2] -

#### **INVITED SPEAKER/ SESSION CHAIR- CONFERENCE/ SEMINAR/ WORKSHOP:**

- [1] Served as Session Chair on “M- Governance in Social life” at the International Conference on Emerging trends in Science & Social Science organized by VHNSN College, Virudhunagar & Institute for Integrated Regenerative Medicine, Malaysia, held at Kuala Lumpur, Malaysia
- [2] Served as resource person for Guest Lecture on “Disaster Management” at the PSGR Krishnammal Higher Secondary School for girls.
- [3] Served as Resource Person for students of class VI to X Chinmaya Vidyalaya, R.S. Puram regarding the Continental Drift Theory.
- [4] Participated in Science Adda Program of DBT, Govt of India and served as Resource Person for a session on “Scope of Geography”.

#### **BOOK PUBLICATIONS:**

- [1] Lucie Dejouhanet & **Sreelakshmy. M**, chapter titled Untangling the Web of Raw Material Supply for the Ayurvedic Industry: The complex Geography of Plant Circulations, in the book **Asian Medical Industries- Contemporary Perspective on Traditional Pharmaceuticals**, Routledge Publications, Taylor & Francis group, UK.
- [2] Lecture Notes on Climatology- ISBN- 978-8-19-824940-1.
- [3] Human Geography- ISBN- 978-9-33-420146-8.
- [4] Basics of Remote Sensing- ISBN- 978-9-33-442677-9.

**MEMBER IN BOARD OF STUDIES:**

[1] Bharathiar University (affiliated colleges)

[2]

**EDITORIAL/ REVIEW BOARD MEMBER:**

[1] -

[2]

**MEMBERSHIP IN PROFESSIONAL BODIES:**

[1] Institute of Indian Geographers.

[2] Indian National Cartographic Association.

[3] National Association of Geographers India.

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