

## STAFF PROFILE

- 1) Name : Dr.Jyothirmayi P.
- 2) Designation : Head & Assistant Professor
- 3) Department : Geography
- 4) Qualification : M.Sc., Net & JRF, Ph.D
- 5) Experience : Teaching: 8 Research : 16
- 6) Area of Specialization (s) : Geomorphology, GIS and Remote sensing
- 7) E-mail : drjyothirmayi@gmail.com, pjyothirmayi@gmail.com
- 8) Academic Qualifications : M.Sc. ,Ph.D.(UGC-NET JRF)
- 9) Additional Qualifications : NIL

Diploma/ Vocational/ Certification	Area of Specialization	Institution/ University/ Agency Name	Year

### 10) Grants Received

Event Title	Agency	Amount	Date

### 11) Projects

Completed

Project Title	Agency	Amount	Duration
“Improving Access to public health services in Rural India -Modelling the accessibility of service providers in a nested network with ArcGIS “ As part of the study “strengthening micro health insurances for the poor in India .	Colloboration of Department of Cooperative studies & Department of Geography of University of Cologne ,Germany and University of Madras	12,0000	2005

Ongoing

Project Title	Agency	Amount	Duration
	Seed money Project	10,000	2021-2022

12) Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.		3
M. Phil.	1	

13) Research Publications

### International

1. Jyothirmayi, P., & Sukumar, B. (2019). Role of Relief and Slope in Agricultural Land Use: A Case Study in Valapattanam River Basin in Kannur District, Kerala Using GIS and Remote Sensing. *Journal of Geography, Environment and Earth Science International*, 21(2), 1-11. <https://doi.org/10.9734/jgeesi/2019/v21i230123>

2. Dr.Jyothirmayi P & B.Sukumar ;Prioritization of areas for water conservation in Valapattanam river Basin Kannur district, Kerala-A geospatial Approach,International Journal of research in social sciences Vol.9, issue3 (2) March 2019, ISSN 2249-2496.

3.Jyothirmayi .P,Ahalya Sukumar& B.Sukumar(2016);Erosion prone areas and watershed management in Valapattanam River Basin In Kannur District, Kerala, Applications of Remote sensing, GIS and GPS technologies, ISBN:978-93-84193-61-4,pp-245-250

4.Jyothirmayi P ,R.Anil Kumar 2013.Changing Land use pattern and some environmental Implications in the Valapattanam river basin ,Kannur district of Kerala, Sustainable Natural resources management under changing Climatic Scenarios, Proceedings of the Third international geography Congress.ISBN:978-81-8424-774-9

5. Jyothirmayi P,R. Anil Kumar 2012 .Terrain analysis in Valapattanam river basin ,Kannur District ,Kerala using Geospatial techniques” Research Volume on population and Resources, Vol.- II-2012,ISBN-B-978-81-910533-1-9,pp283-289.

6.Jyothirmayi.P and Sukumar.B (2009) Mitigation and Management of hazard Prone areasValapattanam River Basin, Kannur District kerala Using Geospatial Tools, Proceedings of the International Conference on Disaster management and Mitigation ICDMM-2009, PSNA College of Engineering and Technology, Dindigul, Tamil Nadu, pp 599-610

7.Dr.Jyothirmayi P, Ahalya Sukumar & B.Sukumar 2016: Erosion prone area and watershed management in Valapattanam River Basin in Kannur district, Kerala: Application of Remote Sensing GIS and GPS technologies; Edited by Dr.I.K.Manomani. ISBN 978-93-84193-61-4,pp245-250

## National

1. Jyothirmayi P, R. Anil Kumar 2010. Ground water potential zones of Valapattanam River Basin: A Study using Satellite Remote Sensing and GIS, Indian Cartographer, Vol 30.Pp144-148
2. Jyothirmayi P, Diji V, P.Deepthi, U.M.Divya, Savitha Vijayan, M.Sulfikkar, Ahalya Sukumar and B.Sukumar (2009) Mitigation and management for Agricultural drought prone areas in Kannur district, Kerala using GIS, Proc. National Workshop on Natural Hazards, Disaster mitigation and Management held at Thiruvananthapuram 25-26 August 2009, Centre for Earth Science Studies, pp. 38-39
3. Jyothirmayi P 2007.Village Information System, A case study of Salem Taluk, Indian Cartographer, Vol 26.Pp 347-352 12)

## Other Publications

### Other Publications

- 1.Helan Jenifer, Dr.Jyothirmayi P.(2019) A temporal analysis of maximum, minimum and mean temperature trends in AndhraPradesh.Nirmala Annual Research Congress(NARC – 2019),
- 2.Ponmani Vetrichelvan Dr.Jyothirmayi P(2019) A temporal Analysis of land use change in Vazhapady Taluk,Tamilnadu ,India:Nirmala Annual Research Congress(NARC – 2019)
3. Dr.Jyothirmayi P.(2019) Innovative Learning Approaches in Geography:National Assessment and Accreditation Council (NAAC – 2019)
- 4.B.Sukumar,Ahalya Sukumar, P.Jyothirmayi P.“Hazard zonation mapping of Valapattanam river basin in Kannur district of Kerala, using GIS and Remote sensing” Proceedings of International Geomorphology conference at Kanyakumari 2011
- 5..Sukumar B, Ahalya Sukumar, V.Diji, P.Deepthi, P.Jyothirmayi, M.Sulfikkar and Savitha Vijayan (2010) A study of Demographic aspects along the Kerala coast, Proc. Nat. Conf. Coastal Processes, Resource and Management, Thiruvananthapuram 5-7 Feb.2010, Centre for Earth Science Studies pp.101-103.

## 15) Book Publications

## 16) Consultancy

<b>Nature of Consultancy</b>	<b>Client</b>	<b>Amount</b>	<b>Completion Status</b>
Project consultant	Athira Geospatial services private limited	2000/-	ongoing

## 17) Presentations in Conference

- International Conference on Disaster Management and mitigation ICDMM Tamilnadu, PSNA college of Engineering and Technology, Dindigul2009 PSNA college of Engineering and Technology, Dindigul Presented paper titled “Mitigation and

management of hazard prone areas - Valapattanam river basin, Kannur District, Kerala, using Geospatial tools.

- 3rd International Geography Congress National Association of Geographers, India.2011held at CWRDM, Calicut Presented paper on “Changing land use pattern and some environmental implications in the valapattanam river basin, Kannur district, kerala,

### **National**

- National Workshop on Natural Hazards, disaster mitigation and management & Release of the District level Multi-Hazard MapsCESS.Trivandrum.25-26 August 2009,CESS.Trivandrum.Presented a paper on Mitigation and Management for Agricultural Drought Prone Area in Kannur District, Kerala Using GIS,
- National Seminar EMFROG 2011Madurai Kamaraj University2011Madurai Kamaraj University Presented Paper on “Terrain Analysis of Valapattanam River Basin using Geospatial tools”
- National level- A temporal Analysis of land use change in Vazhapady Taluk,Tamilnadu ,India Internal Quality Assurance Cell, Nirmala Annual Research Congress(NARC – 2019) on 27.11.2019 , Red Fields, Coimbatore – 18
- 9&10.01.2020 ,. presented a paper titled “Innovative Learning Approaches in Geography” in the National Assessment and Accreditation Council (NAAC – 2019), Red Fields, Coimbatore18

### 18) Participation in Conference

- National Conference on coastal Processes, resources and Management, CESS, Thiruvananthapuram,5-7 February 2010,Paper on “A study of Demographic aspects along the Kerala Coast”, Thiruvananthapuram, Kerala
- National conference on Development of Geographical Institutions in India., Indian Geographical Society, Department of Geography, university of Madras on 04.09.20 to07.09.20
- International Esri user Conference India 2020 , ESRI Technology Limited on 14.07.2021 to 16.07.2021

### 19) Participation in Seminar

- International Seminar on the topic “GIS Development Methodologies, Prospects and Applications and Workshop on Web GIS. Dept of Geography, University of Madras 2003.
- National Seminar on the topic “Need of resource mapping at Panchayat level for rural development by Department of Geography, Govt. College for Women, Kumbhakonam through online mode on17.07.20 .

- National level Orientation program on Disaster management Directorate of student services of Kannur University & department of environmental studies through online mode on 17.8.20 to 18.8.20.

#### 20) Participation in Workshop

- National Workshop on Natural Hazards, disaster mitigation and management & Release of the District level Multi-Hazard Maps CESS.Trivandrum.25-26 August 2009, CESS. Trivandrum.
- Workshop (UGC sponsored Program)“Outcome based Education” IQAC, Nirmala College for Women, Coimbatore.24.3.2018Nirmala College for Women, Coimbatore.
- Workshop(UGC sponsored Program)“Outcome based Education” IQAC, Nirmala College for Women, Coimbatore.22.6.2018 & 23.6.2018
- Nirmala College for Women, Coimbatore. Workshop(UGC sponsored Program)“Outcome based Education” IQAC, Nirmala College for Women, Coimbatore.13.10.2018
- Nirmala College for Women, Coimbatore. Workshop (UGC sponsored Program)“Intellectual Property Rights, Patents & Copyrights ”IQAC, Nirmala College for Women, Coimbatore. 2.2.2019, Nirmala College for Women, Coimbatore. WORKSHOP
- Online Workshop(UGC-HRDC-Indore) Workshop on MOOCS,E-content development & OERs-(Open Educational resources) 11.05.2020-16.05.2020
- 4.03.21 to 5.03.21workshop on the topic”Changing Paradigm of Geoscience, Bioscience & Ecoscience.” By International IIARI in collaboration with DERO

#### 21) Participation in Orientation Programme/ Induction Programme/ Short term Courses

- 119th Orientation Program UGC- Human resource Centre, Bharathiar University, Coimbatore. 17.5.2018 to 13.6.2018
- 1st Refresher Course in Geography UGC- HRDCRani Durgavati Viswavidyalaya, Jabalpur 2.12.2019 to 14.2.2019

#### 22) Participation in Faculty Development Programme

- 3/5/2020 to 5/5/2020, Dr.Jyothirmayi P., National Level FDP- Webinar on “Current Research Trends In Social Science” PSGR Krishnammal College for Women in Online
- 19.10.20 to 23.10.20 Dr.Jyothirmayi P Innovations in teaching and learning-“Traits of empowerment of self” National level FDP by Bharathi Women’s College, Department of Geography. Chennai..

- Jyothirmayi P e-content skill Development 14.06.2021 to 19.06.2021 Department of Mathematics, Nirmala College for Women, CBE - 18

23) Conference/ Seminar/ Workshop Organized

- National Symposium Organizing Secretary for the ICSSR sponsored symposium “Exploration of Research Innovations: Its Trends and Challenges” 11.01.2020 Department Of Library Science, Nirmala College For Women, Red Fields, Coimbatore

24) Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop

- Invited speaker for International webinar Second series at Government Raza PG College, Rampur, Uttar Pradesh. on 26th May 2020 virtual platform –Zoom Rendered a special lecture on the topic “Outbreak of covid 19 pandemic :challenges and the road ahead from a geographic perspective “ under the program “Contibution of language ,literature and other genres in covid19 public awareness campaign and dimensional Changes in social science”.
- Invited speaker for National webinar at PG department of History, Carmel College ,Mala ,Kerala. 26th June 2020 Virtual platform Google meet Delivered a lecture on the topic “Challenges ,opportunities and future pathways in Higher education”

25) Member in Board of Study

- Bharatiyar University Board of studies Member for Geography
- Board of Studies in the Department of Geography at Vellalar College for Women as the University Representative

26) Editorial/ Review Board Member

Nirmala college Journal-

27) Membership in Professional Bodies

<b>Name of Professional Body</b>	<b>Nature of Membership</b>	<b>Duration</b>
Institute of Indian Geographers.	Life Membership	2012 onwards
Indian National Cartographic Association.	Life Membership	2012 onwards
National Association of Geographers, India	Life Membership	2012 onwards

28) Awards and Achievements- Nil

29) Any Other- Nil