

Gomathi Manoharan

Researcher

I am Senior Research Fellow, specialized in remote sensing applications for disaster related studies.



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📍 Bangalore, India

EDUCATION

Master of Technology (Remote Sensing)

College of Engineering Guindy, Anna University.

07/2013 - 05/2015

7.4(CGPA)

Bachelor of Civil Engineering

Periyar Maniammai University

06/2009 - 05/2013

8.4(CGPA)

PROJECTS

ISRO (NISAR)- Airborne L and S -band SAR data for Disaster Damage Identification

Flood Extent and Damage Identification Using Sentinel - 1 SAR data.

Disaster studies using polarimetric SAR data

Mapping of Ground Water Vulnerability Zone in Ariyalur District

Identification of Land Use & Land Cover Change Detection in Palladam

Landslide Hazard Zonation Using Artificial Neural Networks

WORK EXPERIENCE

SENIOR RESEARCH FELLOW

CIIRC, Bangalore

05/2018 - Present

Bangalore, India

CIIRC - NISAR project (NASA- ISRO Synthetic Aperture Radar)

Project Title

- Airborne L and S- band SAR data for Disaster Damage Identification

ASSISTANT PROFESSOR

Kongunadu College of Engineering

12/2017 - 05/2018

Trichy, India

Department of Civil Engineering / Remote sensing & GIS

ASSISTANT PROFESSOR

Periyar Maniammai University

07/2015 - 05/2018

Thanjavur, India

Department of Civil Engineering / Remote sensing & GIS

SOFTWARE SKILLS

SNAP

ArcGIS

ENVI

PYTHON

QGIS

MATLAB

SAGA GIS

AUTO CAD

Rivet Architecture

PUBLICATIONS

M.Gomathi et.al, (2019). Flood Inundation Mapping for using Sentinel-1 SAR Data for Assam during 2018. Research & Reviews: Journal of Space Science & Technology, 8(2), 16-25.

M.Gomathi et.al, "Supervised classification for flood extent identification using sentinel-1 radar data" no.September, pp.3277-3284.ACRS -2018

M.Gomathi & K.P.Kumar "Production of construction bricks by partial replacement of waste plastics' - IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 14, Issue 4 Ver. II (Jul. – Aug. 2017).

K.P.Kumar & M.Gomathi "Evaluation of High-Performance Concrete by Partial Replacement of Cement with Silica Fume Natural Sand and Manufactured Sand" - IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684, p-ISSN: 2320-334X, Volume 14, Issue 4 Ver. I (Jul. - Aug. 2017).

CONFERENCES

MARICON - 2019 - Flood damage assessment using Unsupervised dual-pol classification for Kerala flood-2018.

ACRS - 2018 - Supervised classification for flood extent identification using sentinel-1 radar data.

LANGUAGES

Tamil

Native or Bilingual Proficiency

Kanada

Limited Working Proficiency

English

Native or Bilingual Proficiency

Hindi

Limited Working Proficiency

INTERESTS

Research

Teaching

Singing