

**Dr. Tune Usha**  
**Scientist-F,**  
**National Centre for Coastal Research (NCCR),**  
**Ministry of Earth Sciences,**  
**Government of India.**

**Publications:**

1. Iyyappan Muthukumarasamy, Ramakrishnan S.S, Tune Usha, “Incorporation of textural information with SAR and optical imagery for improved land cover mapping”, 2019.
2. Shafique Matin, Sisir Kumar Dash, Tune Usha, “A Semi-analytical Approach to Understand Remote Sensing-based Backscattering Characteristics for Kerala Coast Using In Situ Observation: Potential and Future Trends”, 2019.
3. Iyyappan Muthukumarasamy, Tune Usha, Ramakrishnan S.S, Pravakar Mishra, “Evaluation of tsunami inundation using synthetic aperture radar (SAR) data and numerical modeling”, 2018.
4. Gopinath G , Tune Usha, Sisir Kumar Dash, M. V. Ramana Murthy, “DEVELOPMENT OF A WEB-GIS BASED TSUNAMI INUNDATION MAPPING SERVICE FOR THE INDIAN COAST”, 2017.
5. Mageswaran Thangaraj, T. Arumugam, M Suresh Gandhi, Tune Usha, “ GIS based methodology to assess the relative Vulnerability index of buildings to coastal hazards - Coastal Karaikal - A Case study”, 2017.
6. K.S.Harish Kumar, M.Shanmugam, Tune Usha, L.Subbaraj, “FLOOD VULNERABILITY ASSESSMENT IN URBAN AREAS USING NUMERICAL MODELLING AND GEOSPATIAL TOOLS –A CASE STUDY OF CHENNAI FLOOD 2015”, 2017.

7. M.A.Mohammed Abdul Azeez , M.Shanmugam, Tune Usha, L.Subbaraj, “ Integrated Approach to Assess Vulnerability of Coastal Region of Tamil Nadu using InVEST Model”, 2017.
8. Ajith Joseph K , Sisir Kumar Dash, K. Rasheed, Tune Usha, “ Proceedings of the Training Programme on Geomatics for Coastal Zone Management”, 2016.