1. Geospatial modelling approach to develop Forest Fire Danger Index based on the static and dynamic parameters using satellite datasets
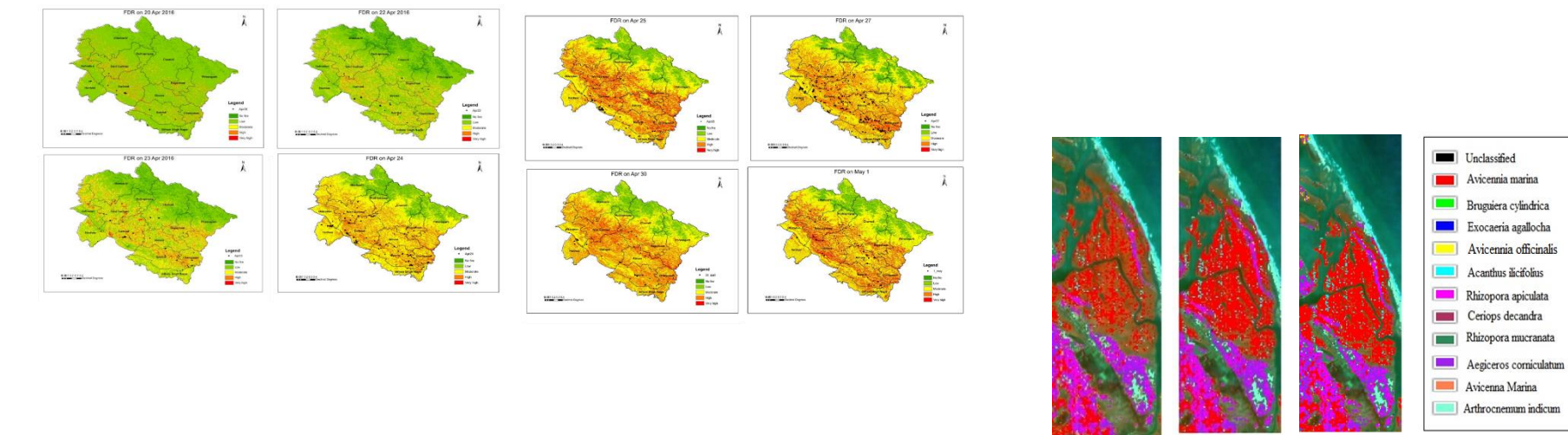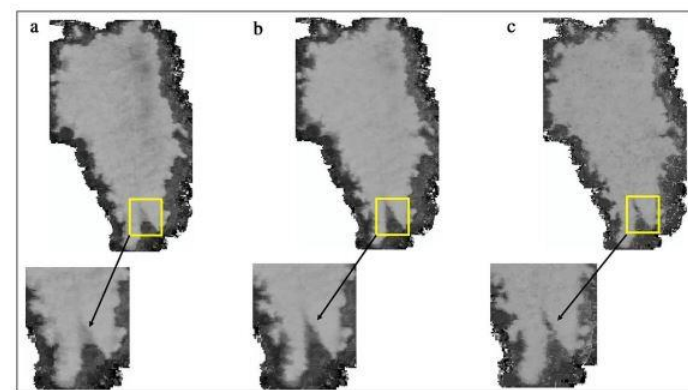

2. Mapping Mangrove Species Using Hyperspectral Data: A Case Study of Pichavaram Mangrove Ecosystem, Tamil Nadu

3. Filling the data gaps in Landsat 7 images using Neighborhood similar pixel threshold based Local Binary Pattern approach
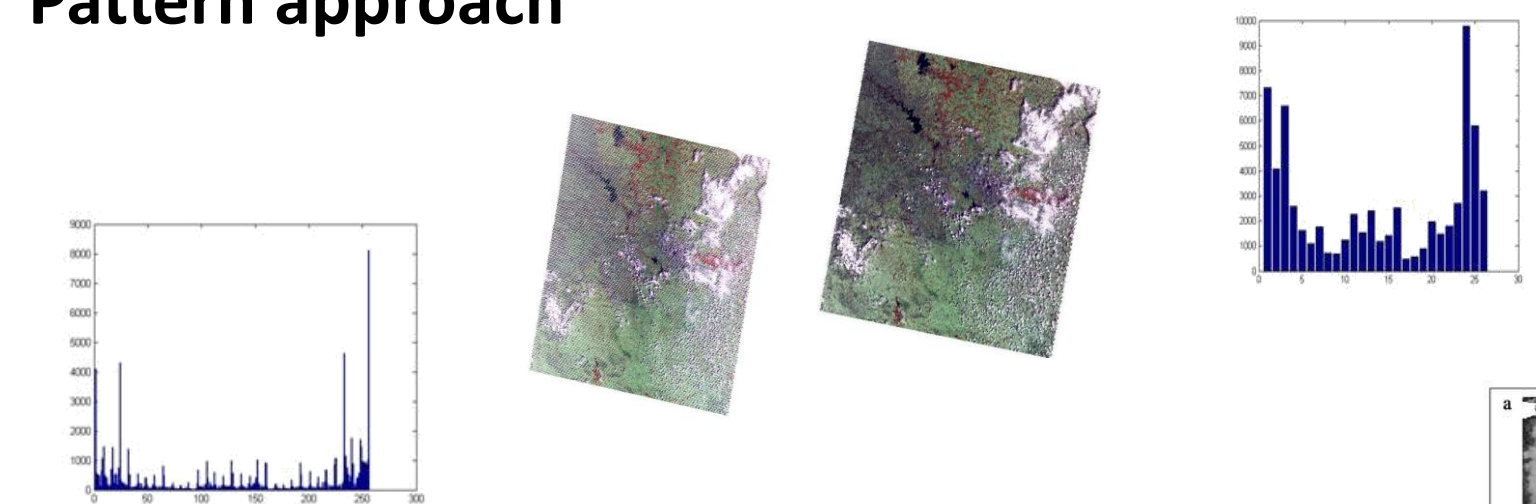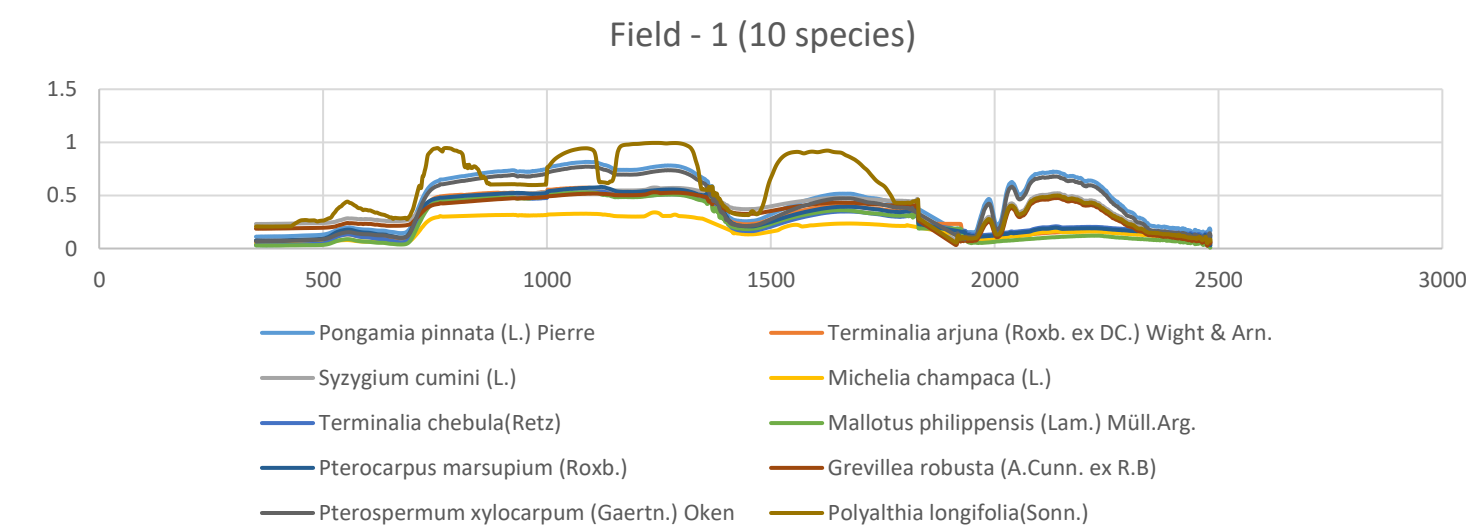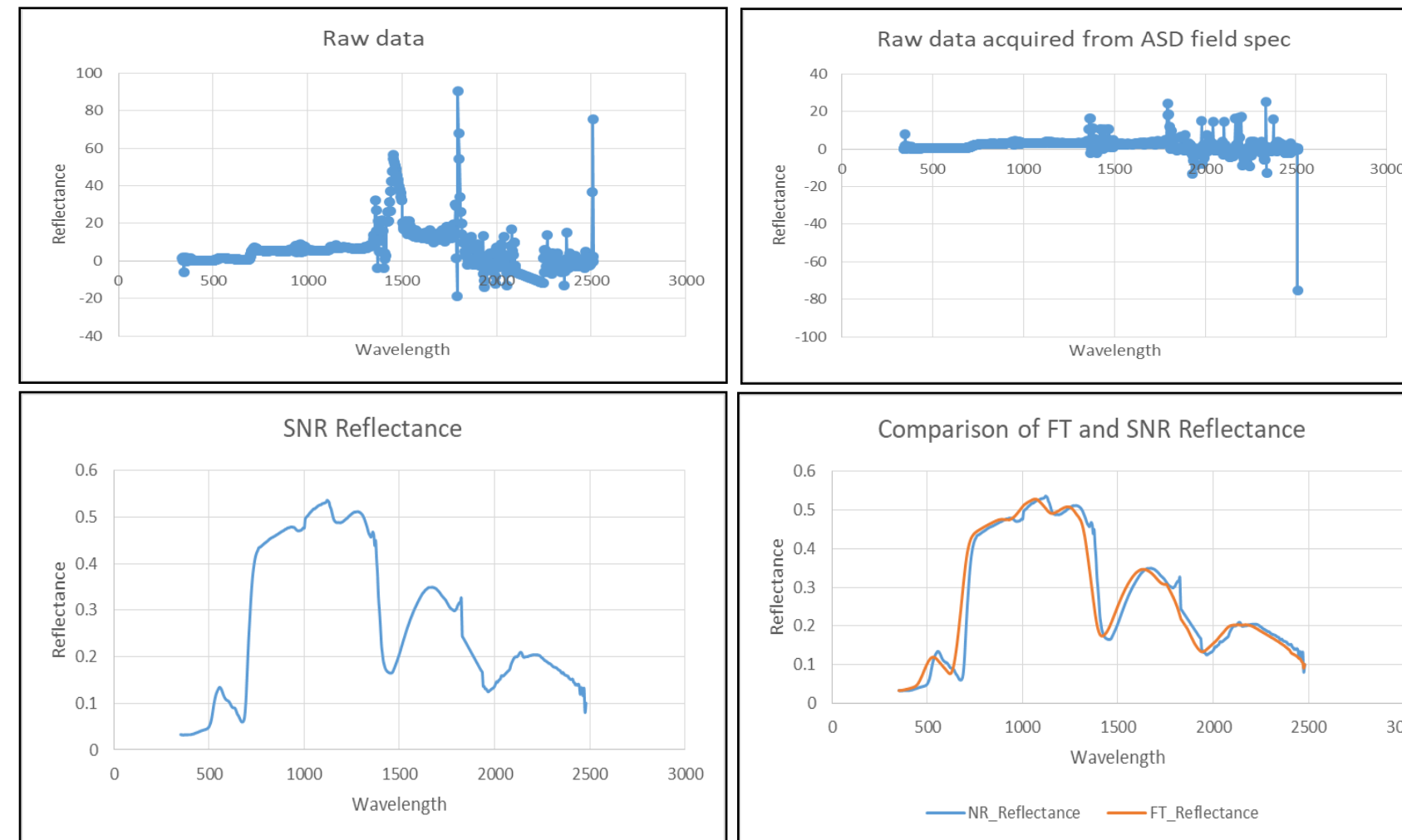

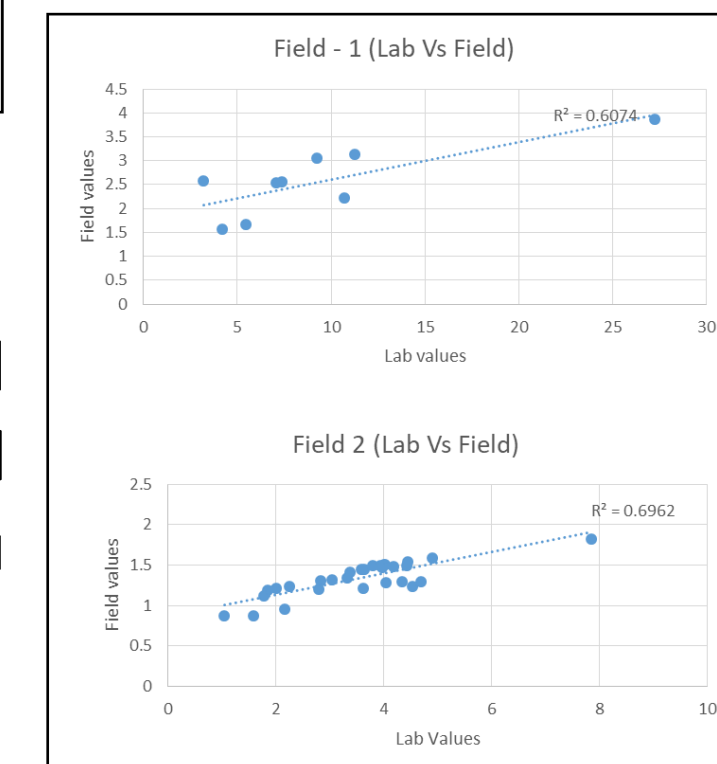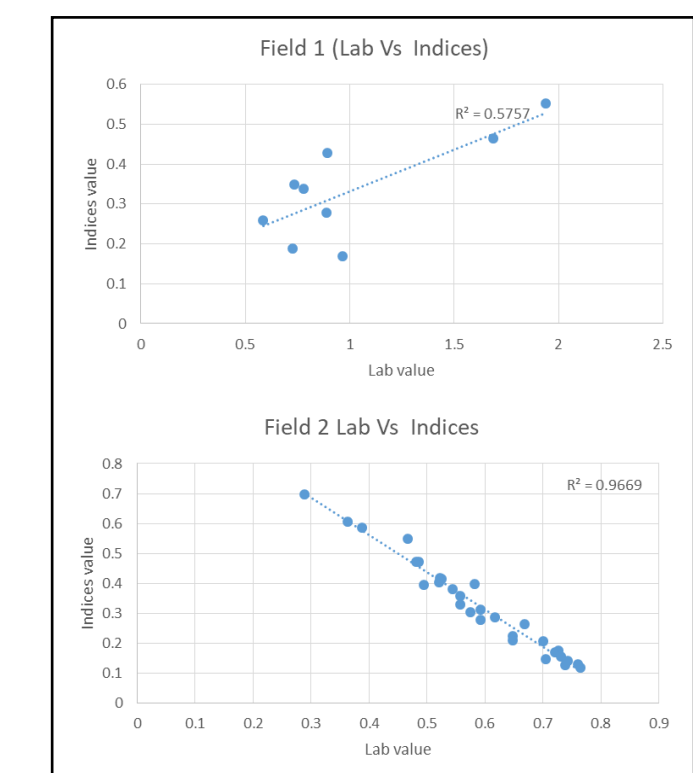**4. Prediction of vegetation dynamics using NDVI time series data and LSTM**

On going DST Project

5. Statistical Noise Removal (SNR) – A Novel Approach Of Removing Noise From The Full Range Field Collected Spectra

Field - 1 (10 species)

Pongamia pinnata (L.) Pierre
Terminalia arjuna (Roxb. ex DC.) Wight & Arn.
Syzygium cumini (L.)
Michelia champaca (L.)
Terminalia chebula(Retz)
Mallotus philippensis (Lam.) Müll.Arg.
Pterocarpus marsupium (Roxb.)
Grevillea robusta (A.Cunn. ex R.B)
Pterospermum xylocarpum (Gaertn.) Oken
Polyalthia longifolia(Sonn.)

Chlorophyll (Lab Vs Field)

Nitrogen (Lab Vs Indices)

6. Spatio – Temporal Variation In Spectral Pattern *vis – a – vis* Biochemical Parameters Of Selected Species Of Araku Forest, Eastern Ghats

Led by: Dr. Ramachandra Prasad

Lab for Spatial Informatics