

PREFACE

Coastal vulnerability from bio-resource degradation, sea-level rise, coastal erosion, seawater intrusion, and coral bleaching must be observed and analyzed in order to predict the dynamic status of shoreline trends. So it is necessary to monitor the shoreline change. The analysis is done by using the digital shoreline analysis system. The impacts of shoreline is reflects in the change in the mangrove areas. The mangrove change is detected using the spectral properties by using the indices. The maximum and minimum of the erosion and accretion is mapped using the linear regression rate and end point rate. The study is performed to analysis the change detection in long -term shoreline. The measures taken helps in decision makers to take decision in coastal management.