It gives me pleasure to say few words regarding this book entitled “Remote Sensing Techniques and GIS Applications in Earth and Environmental Studies” and its Editors. Multifrequency techniques for identification purpose using delta – DOR which is essential for long distance remote sensing to get sky measurements of right ascension and declination are considered. VLBI based techniques with large baselines east-west and north-south direction used. Many important issues like ground truth validation, public health management, mapping of landslide, river basin studies using medium gain antenna operating in dual circular polarization with capability of handling high power on board satellites are well discussed. Circularly polarized Quadrifilar Helix Antenna provides a circularly polarized cadoids shaped radiation pattern with a high front to back ratio, better circular symmetry in the pattern and very good polarization discrimination over wide coverage are being used for studies. These types of antenna used for transmission of satellite telemetry data with omni-directional coverage in C-band for India’s all upcoming Geo-stationary and Navigational satellite. In observation of very useful parameters, the microwave and millimeterewave radiometers like Total Power Radiometer, Fast fourier Transform detector, Dicke Radiometer, Ratiometric Dicke Radiometer, Meech Ratiometric Radiometer are utilised. Limb sounding techniques are used for atmospheric parameters detection. In short in this book all latest technological application outcomes are well covered. The application of SAR imaging is discussed in other easy to understand approach. Both the editors are widely experienced in this area with long research and teaching experiences. While forwarding this excellent book I recall my working experience with RCI, DRDO and GMRT, TIFR, Pune through University of Calcutta and feel extremely happy to see the topics of Applications of superbly efficient technological systems for the benefit of human civilisations. I hope the editors Dr. Abhisek Santra and Dr. Shreyashi Santra Mitra will be very successful in their great effort and students, teachers and professionals will find this book very useful.

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