



## CONTENTS

1. Can Wind and Solar Farms Green a Desert? 1  
**S. Raghavan**
2. Data Mining Techniques for Interpretation of Weather Forecast 5  
**Rattan K. Datta and Kavita Pabreja**
3. Behaviour of Latent Heat Flux over the Bay of Bengal during Indian Summer  
Monsoon deficit period 15  
**Dhrubajyoti Samanta, Mihir K. Dash and P. C. Pandey**
4. Retrieval of Atmospheric Motion Vector using INSAT-3D and INSAT-3DR Imager  
Data in Staggering Mode 31  
**Sanjib K. Deb, Dineshkumar K. Sankhala and Chandra M. Kishtawal**
5. Impact of Temperature and Solar Radiation on Wheat Crop for Varanasi Region of Uttar Pradesh 47  
**Ganesh Prasad, S. M. Singh, C. Patel, A. K. Nema, R. S. Singh, M. K. Yadav and  
K. K. Singh**
6. Extended-range Forecasts of Extreme Rainfall Events over Jammu and Kashmir during  
September 2014 53  
**Madhu Singh, D. R. Pattanaik and R. Bhatla**
7. Integrating Observations from MFG and GPM for Near Real Time Heavy Precipitation  
Monitoring 63  
**Mohammd Rafiq and Anoop Kumar Mishra**