

Indian Journal of Radio & Space Physics

CODEN: IJRSAK ISSN: 0367-8393 (print); 0975-105X (online)

<http://www.niscair.res.in>; <http://nopr.niscair.res.in>

VOLUME 40

NUMBER 4

AUGUST 2011

CONTENTS

Effects of recent solar events on cosmic rays and Earth's geomagnetic field Mukesh K Jothe & Pankaj K Shrivastava*	179
Unusual sferics observed at Agra Uma Pandey, Anubha Bajpeyi, Madhurima Mishra, Abhishek Sharma & Birbal Singh*	183
Nighttime VHF ionospheric scintillation characteristics near the crest of Appleton anomaly station, Udaipur (24.6°N, 73.7°E) B M Vyas* & B Dayanandan	191
Measurements of PM ₁₀ and PM _{2.5} aerosols in Agra, a semi-arid region of India P Gursumeeran Satsangi*, A Kulshrestha, Ajay Taneja & P S P Rao	203
Micro scale site diversity over a tropical site in India and evaluation of diversity gain with synthetic storm technique Bijoy Roy*, Ashish K Shukla & M R Sivaraman	211
Effect of saline water on emissivity of soil D H Gadani*, V A Rana, A D Vyas & S P Bhatnagar	218
Design of circularly polarized edge truncated elliptical patch antenna with improved performance Pratibha Sekra, Sumita Shekhawat, Manoj Dubey, D Bhatnagar*, V K Saxena & J S Saini	227

*Authors for correspondence