## INTERNATIONAL JOURNAL OF

## **MICROWAVE AND WIRELESS TECHNOLOGIES**

## **CONTENTS**

FREQUENCY MIXERS  Millimeter-wave dual-mode and dual-band switchable Gilbert up-conversion mixer in		Compact wideband folded strip monopole antenna for brain stroke detection Payal Bhardwaj and Ritesh Kumar Badhai	937
65-nm CMOS process Fang Zhu and Guo Qing Luo FILTERS Ultra-wide stopband lowpass filters using ring resonators	875	Modified Koch curve broadband fractal antenna for spectrum sensing in cognitive radio Monika Aggarwal and Amar Partap Singh Pharwaha	947
Mohsen Hayati, Sajjad Mohanad Mustafa, Farzin Shama and Hamed Abbasi  Couplinator: A simple computational tool for synthesis of multi-section coupled-line filter	880	AMC-based antenna sensor for breast tumors detection Praveen Kumar Rao, Ashish Ranjan Yadav and Rajan Mishra	954
based on MPCM-TLM technique E. Faghand, S. Karimian, E. Mehrshahi and N. Karimian	887	Radiation characteristics of microstrip antenna on frequency selective surface absorbing layer	
ANTENNA DESIGN, MODELLING AND MEASUREMENTS Synthesis technique of a low-profile multiple sub-beam phased array antenna for high-throughput satellite applications Elham Sharifi Moghaddam and Arash Ahmadi	897	Ashish Raj and Nisha Gupta  Design of elliptical-shaped reconfigurable patch antenna with shunt capacitive RF-MEM switch for satellite applications  Bokkisam Venkata Sai Sailaja and Ketavath Kumar Naik	962 <b>1S</b> 969
Study of effective permittivity for a multilayer substrate dipole antenna Julien Moussa H. Barakat and Fabien Ndagijimana	915	Design and analysis of 4 × 4 MIMO antenna with DGS for WLAN applications K. Malaisamy, M. Santhi and S. Robinson	979
A compact polarization reconfigurable stacker microstrip antenna for WiMAX application Murari Shaw, Niranjan Mandal and Malay Gangopadhyay	<b>d</b> 921	Optimum design of linear and circular antenna arrays using equilibrium optimization algorithm  Ali Durmus and Rifat Kurban	986

