

INTERNATIONAL JOURNAL OF

**MICROWAVE AND WIRELESS TECHNOLOGIES****CONTENTS**

## FILTERS

**Inline pseudoelliptic waveguide filters using asymmetric Iris coupled transverse rectangular ridge resonators**

Muhammad Anis Chaudhary and  
Muhammad Mansoor Ahmed 537

**Design of multiple transmission zeros-enabled compact broadband BPFs based on microstrip-to-CPW transition technology**

Abu Nasar Ghazali and Mohd Sazid 546

**Spurline-embedded compact hairpin-line bandpass filters for wide harmonic suppression**

Tarun Kumar Das and Sayan Chatterjee 553

## PASSIVE COMPONENTS AND CIRCUITS

**A tuneable rat-race coupler for full duplex communications**

G. T. Watkins 566

## METAMATERIALS AND PHOTONIC BANDGAP STRUCTURES

**A single layer wideband metasurface absorber for electromagnetic interference minimization in Ku-band applications**

Yogita Khanna and Y. K. Awasthi 573

**Small UWB antenna with two stop bands by a compact EBG cell loaded with new open meander slots**

Farzad Alizadeh, Changiz Ghobadi and  
Javad Nourinia 580

## ANTENNA DESIGN, MODELING AND MEASUREMENTS

**Stacked patch antenna with wider impedance bandwidth and high interport isolation for 2.4 GHz IBFD transceiver**

Haq Nawaz and Ahmad Umar Niazi 590

**A mathematical model for sidelobe level optimization of variable inclination continuous transverse stub antenna**

Kexin Wang, Xue Lei, Jun Gao, Tianpeng Li and  
Mingyang Zhao 595

**Miniaturized triple-band monopole antenna loaded with a via-less MTM for 3G, WIMAX, and WLAN applications**

Mohammadsadegh Kasmaei, Ehsan Zareian-Jahromi,  
Raheleh Basiri and Valiollah Mashayekhi 601

**Compact stepped slot antenna for ultra-wideband applications**

B. Hammache, A. Messai, I. Messaoudene  
and T. A. Denidni 609

**A compact dual-band D-CRLH-based antenna with self-isolation functionality**

Mahmoud A. Abdalla, Mohamed El Atrash,  
Ahmed A. Abdel Aziz and Mohamed I. Abdelnaser 616

**Cuboidal quad-port UWB-MIMO antenna with WLAN rejection using spiral EBG structures**

Sumon Modak and Taimoor Khan 626

**Low-profile, wideband dual-polarized 1 × 2 MIMO antenna with FSS decoupling technique**

B. Anudeep, K. Krishnamoorthy and P. H. Rao 634

**Ultra-wideband and high gain antipodal tapered slot antenna with planar metamaterial lens**

Ziye Wang, Zhengwei Yang, Xiao Zhao, Linyan Guo  
and Minjie Guo 641

**A review on microstrip patch antenna parameters of different geometry and bandwidth enhancement techniques**

Brijesh Mishra, Ramesh Kumar Verma, Yashwanth N  
and Rakesh Kumar Singh 652

Cambridge Core

For further information about this journal  
please go to the journal web site at:

[cambridge.org/mrf](https://doi.org/10.1017/S1759078722000563)

**CAMBRIDGE**  
UNIVERSITY PRESS