

# Table of Contents

**Volume 4    Number 3**

**September 2016**

## **A 2.4 GHz Switched Beam Antenna for Indoor Applications Using Angle of Arrival Estimation**

R. Elsamnty, A. M. Attiya, E. A. F. Abdallah, A. H. Ammar.....109

## **Non-Negative Matrix Factorization Based UKF Algorithm for Constant Modulus Signals in Adaptive Beamforming**

R. Vignesh, K. A. Narayanankutty.....119

## **On the Design of Plus Slotted Fractal Antenna Array**

M. Kaur, J. S. Sivia.....128

## **Autonomous Wireless Sensors Network Based on Piezoelectric Energy Harvesting**

A. Mouapi, N. Hakem, G. Y. Delisle.....138