



**IOSR Journals**

International Organization  
of Scientific Research

# IOSR Journal of Electronics and Communication Engineering

e-ISSN : 2278-2834

Volume : 17 Issue : 1

p-ISSN : 2278-8735

W  
O  
R  
L  
D  
J  
O  
U  
R  
N  
A  
L  
O  
F  
E  
L  
E  
C  
T  
R  
O  
N  
I  
C  
S  
A  
N  
D  
C  
O  
M  
M  
U  
N  
I  
C  
A  
T  
I  
O  
N  
E  
N  
G  
I  
N  
E  
E  
R  
I  
N  
G

## Contents:

- |  |       |
|--|-------|
| Improvement of Internet of Things (IoT) Sensor Powering<br>Using Multi Node Radio Frequency Energy Harvesting<br>(REH)<br><i>B.I. Bakare, I.A. Salami, S. Orike</i>  | 01-08 |
| Detection of Brain Disease Using Morphological Operation<br>and Artificial Intelligence Technique<br><i>Astha Agrahari, S.P. Gangwar</i>   | 09-13 |
| Enhanced Spectrum Handoff Security Mechanism In Cognitive<br>Radio Network<br><i>Ranajeet Kumar, Dr. Rakesh Kumar Singh</i>  | 14-23 |
| Optimization of Conversion Efficiency of Perovskite Solar Cell<br>using Cu <sub>2</sub> O and CuI as Hole Transport Layer<br><i>Abhishek Kumar Pankaj, S. P. Gangwar</i>   | 24-33 |
| Design and Simulation of a Novel Nine-Level Inverter for Solar<br>Photovoltaic Systems<br><i>Anzar Faiz, S. P.Gangwar</i>  | 34-40 |
| DWT-DCT-SVD Based Biomedical Image Watermarking<br><i>Jainul Aabdeed</i>   | 41-45 |
| Development and statistical modeling of a wireless sensor<br>network (WSN) for bushfire monitoring: a case study of Rufus<br>Giwa Polytechnic environment.<br><i>Iyapo Kamoru Olarewaju, Oyelakin K. Akinloye, Olanegan Paul</i> | 46-70 |