

## TABLE OF CONTENTS

**Volume 3 Number 2**

**February 2011**

### **Influence of Nonlocality on Amplification of Space Charge Waves in *n*-GaN Films**

- V. Grimalsky, S. Koshevaya, M. Tecpoyotl-T., F. Diaz-A.....33

### **Design of 2D-Bootlace Lens with Five Focal Feed for Multiple Beam Forming**

- R. P. S. Kushwah, P. K. Singhal.....39

### **Back to Back Combined Single Feed Proximity Coupled Antenna with Dumbbell Shaped DGS**

- A. K. Arya, A. Patnaik, M. V. Kartikeyan.....43

### **Modelling and Artificial Intelligence-Based Control of Electrode System for an Electric Arc Furnace**

- M. Moghadasian, E. Alenasser.....47

### **Impact of Islanding on Governor Signal of Distributed Resources**

- M. Ghadiri, A. Moeini, H. Yassami.....56

### **Comparative Analysis of Parabolic Bootlace Lens and Conventional Lens Approach**

- R. P. S. Kushwah, P. K. Singhal.....65

### **Static and 50 Hz Electromagnetic Fields Effects on Human Neuronal-Like Cells Vibration Bands in the Mid-Infrared Region**

- E. Calabò, S. Condello, S. Magazù, R. Ientile.....69

---

The figure on the front cover is from the article published in Journal of Electromagnetic Analysis & Applications, 2011, Vol. 3, No. 2, pp. 43-46, by Ashwini Kumar Arya, Amalendu Patnaik, Machavaram V. Kartikeyan.