

## TABLE OF CONTENTS

**Volume 3 Number 4**

**December 2013**

### **Optical Studies of Ag<sub>2</sub>O Thin Film Prepared by Electron Beam Evaporation Method**

- G. Saroja, V. Vasu, N. Nagarani.....57

### **The Comparative Study of the Temperature Distribution of Fiber Laser with Different Pump Schemes**

- M. Abouricha, A. Boulezhar, N. Habiballah.....64

### **Effect of Alumina Particles Addition on Physico-Mechanical Properties of AL-Matrix Composites**

- M. M. M. Mohammed, O. A. Elkady, A. W. Abdelhameed.....72

### **Analysis of the Behavior of Local Cooking Utensils in Tap Water, Salt Tap Water and Vegetable Oil According to the Temperature**

- M. B. Ndiaye, S. Bec, B. Coquillet, I. K. Cissé.....80

### **Thermal Transformations in the System NaF-CaF<sub>2</sub>-AlF<sub>3</sub> and X-Ray Diffraction Control of Ca-Containing Electrolytes for Aluminum Production**

- Y. N. Zaitseva, I. S. Yakimov, S. D. Kirik.....86

### **Zirconium Modified Aluminide Coatings Obtained by the CVD and PVD Methods**

- J. Romanowska, M. Zagula-Yavorska, J. Sieniawski, J. Markowski.....92

---

The figure on the front cover is from the article published in Open Journal of Metal, 2013, Vol. 3, No. 4, pp. 92-99 by Jolanta Romanowska, *et al.*