

## TABLE OF CONTENTS

### Volume 4, Number 6, June 2013

**Proline-leucine polymorphism of human glutathione peroxidase 1 in Thalassemia major**

- V. Bhargava, M. Gulati, N. Singh, R. Bhargava.....699

**Occurrence of *Alternaria alternata* causing *Alternaria* blight in pigeonpea in India**

- M. Sharma, R. Ghosh, S. Pande.....702

**mDAG: A web tool for analyzing, visualizing, and interpreting response patterns in gene expression data with multiple treatments**

- N. S. Vo, T. R. Sutter, V. Phan.....706

**Preliminary study of binary protein adsorption system and potential bioseparation under homogeneous field of shear in airlift biocontactor**

- Y. Dahman, K. E. Jayasuriya.....710

**Antibody delivery into viable epimastigotes of *Trypanosoma cruzi* as a tool to study the parasite biology**

- K. Y. Acosta-Viana, H.-C. Julio, J.-C. Matilde, G.-M. Eugenia, J. L. Rosales-Encina.....719

**Cytokines, estradiol and progesterone in the plasma of women of reproductive age with pelvic inflammatory disease in remission**

- A. Trunov, O. Obukhova, O. Gorbenko, A. Shvayk, L. Trunova.....727

**Strategies of polyhydroxyalkanoates modification for the medical application in neural regeneration/nerve tissue engineering**

- X. Y. Lu, L. L. Wang, Z. Q. Yang, H. X. Lu.....731

**Mass production, fermentation, formulation of *Pseudomonas putida* for controlling of die back and phomopsis diseases on grapevine**

- W. M. Haggag, M. A. E. Saleh, I. Mostafa, N. Adel.....741

**High yield expression of proteins in *E. coli* for NMR studies**

- S. Mondal, D. Shet, C. P., H. S. Atreya.....751

---

The figure on the front cover is from the article published in Advances in Bioscience and Biotechnology, 2013, Vol. 4, No. 6, pp. 719-726 by Karla Y. Acosta-Viana, *et al.*