

TABLE OF CONTENTS

Volume 2 Number 26

June 2011

Origin and Evolution of Life Constraints on the Solar Model

- K. Michaelian, O. Manuel.....587

Entropy Production and the Origin of Life

- K. Michaelian, O. Manuel.....595

On the Origin of Biological Functions

- A. Umantsev.....602

Entropy Production Rate for Avascular Tumor Growth

- E. Izquierdo-Kulich, E. Alonso-Becerra, J. M. Nieto-Villar.....615

Biological Evolution: Entropy, Complexity and Stability

- C. G. Chakrabarti, K. Ghosh.....621

Predicting Ecosystem Response to Perturbation from Thermodynamic Criteria

- V. A. Chávez, K. Michaelian.....627

The figure on the front cover is from the article published in *Journal of Modern Physics*, 2011, Vol. 2, No. 26, pp. 627-635, by Vasthi Alonso Chávez, *et al.*