



## Table of Contents

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### Research Articles

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1.

#### **Families of parasitoids (Hymenoptera) collected in the south Goias, Brazil**

Carlos Henrique Marchiori

*Department of Entomology, Federal University of Goiás, Brazil*

*Keywords: Parasitoids, traps, biocontrol, ninny natural.*

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2.

#### **Molecular characterization of Trichoderma isolates as biological control agent**

Khalid Abdel-lateif\n Abdel Fattah El-Zanaty \n Mahmoud Helwa

*Department of Microbiology, Cairo University, Egypt*

*Keywords: Trichoderma, RAPD diversity, Biocontrol agents, Rhizoctonia solani, Pythium aphanidermatum*

---

3.

#### **SILICON SOLAR CELL SPACE CHARGE REGION AND CAPACITANCE BEHAVIOR UNDER ELECTRIC FIELD**

Fabe Idrissa Barro, Moustapha Sane, Gokhan SAHIN

*Department of Physics, University of Ouagadougou, Burkina Faso*

*Keywords: Solar cell, Electric field, Space charge region, Capacitance*

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4.

#### **Antimicrobial and enzymes inhibitory activities of *Salvadora persica* extracts**

Ahmed, Y.M.1,2\*, Abulnaja, K. A.1, and Al-Malki, A. L1 and Khan, J. A.1  
n1Biochemistry Department, Faculty of Science King Abdulaziz University, Jeddah, Saudi Arabia.  
n2Microbial Biotechnology, Department, National Research Center, Dokki, Cairo, Egypt.

*Department of Biochemistry, King Abdulaziz University, Jeddah, Saudi Arabia*

**Keywords:** *Salvadora persica, antibacterial activity, enzymes inhibitory activities,  $\alpha$  -amylase- $\alpha$ -glucosidase .*

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## 5.

### **On the symmetric properties for the generalized q-tangent polynomials**

Cheon Seoung Ryoo

*Department of Mathematics, Sungkyunkwan University, South Korea*

**Keywords:** *tangent numbers and polynomials, the generalized q-tangent numbers|nand polynomials, symmetric properties, power sums.*

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## 6.

### **CTR, OFB and CFB cryptographic modes of operation as educational illustration of algorithm parallelization**

Boris Damjanovic, Dejan Simic

*Department of Computer Science, University of Belgrade, Serbia*

**Keywords:** *Cryptography, AES, Parallel programming, Performance Analysis*

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## 7.

### **The relationship between spiritual intelligence and self-esteem with academic achievement among students of Elam University**

Emily Davis, Jessica Brown, Amanda Taylor, Jennifer White

*Faculty of Psychology, University of Helsinki, Finland*

**Keywords:** *spiritual intelligence, self-esteem, academic achievement, students*

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## 8.

### **RESIDUAL DCT MATRIX BASED MPEG-2 TO H.264/AVC INTER TRANSCODING**

Ping Wang, Yan Zheng, Nguyen Ngoc Van

*Department of Computer Engineering, Hanoi University of Science and Technology, Vietnam*

**Keywords:** *MPEG-2, H.264, inter transcoding, residual DCT matrix*

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