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A Hybrid Model for Predicting Sand Casting Defects

Burcu Devrim İçtenbaş, Cenk Güray, Hakan Özaktaş

Keywords: sand casting, artificial neural networks, decision trees, casting defects, hybrid model, parameter optimization, simulation

2.

Effect of Auditory Hallucinations on Learning Brainwaves

Fu-Chien Kao, Ming-Jun Wang

Keywords: Cognitive Neuroscience, Auditory Hallucinations, Brainwave Analysis, EEG, Logic Reasoning

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A Transmission Power Level Aware Approach to Maximize the Lifetime of Wireless Sensor Networks

Zafar Jawed Khan, Satyanarayana Chanagala

Keywords: Wireless Sensor Networks, Transmission Power, Lifetime Optimization, Battery Management, Data Aggregation, Simulation Discrepancies, Power-Aware Algorithms

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A Hybrid Approach to Face Recognition using Local and Global Features

K. Raju, Y. Srinivasa Rao

Keywords: facial recognition, biometric features, neural network, real-time applications, texture analysis

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Fevzi Kilicel, Hacer Sibel Karapinar, Ihsan Serin

Keywords: Pesticide Residue, GC-MS, QuEChERS Method, Methidathion, Parathion-methyl, Captan, Apple

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Mircea Brie

Keywords: Identity, Central Europe, Eastern Europe, Moldova, Geopolitics, Symbolic Borders, Ethnicity

7.

Analysis of Management Systems in Public and Private Universities in Khyber Pakhtunkhwa, Pakistan

Dr. Nasrullah Khan, Dr. Niaz Muhammad, Dr. Akber Ali

Keywords: management systems, public universities, private universities, Khyber Pakhtunkhwa, staff development, evaluation systems, academic decision-making

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Antioxidant Potential and Antimicrobial Activity of *Allium sativum*, *Cinnamomum zeylanicum*, and *Azadirachta indica* Against Free Radicals and Microbes in Diseased Tilapia

Muhammad Saleem Khan, Naureen Aziz Qurashi, Farhat Jabeen, Muhammad Wajid, Zahid Farooq, Muhammad Saleem Asghar

Keywords: Antioxidant activity, Antimicrobial activity, Plant extracts, Phenolic compounds, Tilapia disease, Free radicals, Microbial inhibition

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N.T. Sarma, Ch. Srinivasu, Sk. Fakruddin Babavali, Ch. Sridhar Yesaswi

Keywords: thermo excess acoustical parameters, binary liquid mixtures, aniline, toluene, molecular interactions

10.

**Comparative Analysis of Critical Thinking Skills Among University Students
Across Study Years and Courses at the Faculty of Education, Ljubljana**

Tomaž Vec, Tanja Rupnik Vec

Keywords: critical thinking, cognitive skills, higher education, curriculum development, educational assessment

11.

Solution of system of nonlinear fractional differential equations

E. A, A. Ziada