CITHARA
JOURNAL

MULTIDISCIPLINARY SCIENTIFIC JOURNAL • ISSN: 0009-7527

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Research Articles

1.

Novel Nonfluor Corrosion Resistant Coatings Based on Material Resources of Georgia

Irine Berdzenishvili

Department of Materials Science, Tbilisi State University, Tbilisi, Georgia

Keywords: Glass, enamels, coatings, carbonate manganese ore, chemical resistance, corrosive medium.

2.

Evaluation of Gestational Age with Fetal Foot Length Using Ultrasonography

Joevy Chang, Mohamed yousef1

Department of Obstetrics and Gynecology, University of Toronto, Toronto, Canada

Keywords: Gestational Age, Fetal Foot,Length, Ultrasound, measurement

3.

ROLE OF SOME HEAVY METALS IN RHEUMATOID ARTHRITIS

Muhammad Arshad, Naila Riaz, Razia Bashir, Shafaat Yar Khan & Hafiz Muhammad Tahir

Department of Biological Sciences, University of Sargodha, Sargodha, Pakistan

Keywords: Rheumatoid Arthritis, heavy metals, age, sex

4.

In vitro Variation in antibacterial activity plant extracts on Glaucium elegans and Saffron (Crocus sativus .L) Onios

Jennifer White, William Chen

Department of Biology, University of Toronto, Canada

Keywords: Glaucium elegans, Saffron Onios, Escherichia coli, Staphylococcus aureus, Salmonella enteritidis, Bacillus anthracis, Proteus

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5.

Stability: Abstract Roadmap of Software Security

Kavita Sahu, Rajshree

Department of Computer Science, Indira Gandhi National Open University, New Delhi, India

Keywords: software security, security attributes, stability, design phase

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6.

Implementation of Two-Dimensional Fast Fourier Transform and vedic Algorithm for Image enhancement using MATLAB

S.ARUNACHALAM, S.M.KHAIRNAR, B.S.DESALE

Department of Electronics and Communication Engineering, Government College of Engineering, Nagpur, India

Keywords: 2D FFT, vedic algorithm, Image enhancement, Linear filtering, Urdhva Tiryakbyham sutra.

7.

UTILIZATION OF CHARCOAL IN THE IRON-ORE SINTERING PROCESS

Jaroslav Legemza,Róbert Findorák,Mária Fröhlichová

Department of Metallurgy, Technical University of Košice, Košice, Slovakia

Keywords: biomass, coke breeze, charcoal, iron-ore sintering process, thermodynamic analysis, laboratory sinter-pot, sinter quality

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8.

Can whole-classroom discussions and mathematical communication improve mathematical reasoning ability of high school students?

Alexander Kim, Benjamin Park, Daniel Rodriguez, Matthew Garcia

Institute of Mathematics, University of Vienna, Austria

Keywords: Communication, Whole-class discussion, Mathematical reasoning, Open-ended problems

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9.

Effect of Azotobacter and Pseudomonas bacteria inoculation on wheat yield under field condition

Elizabeth Moore, Catherine Miller, Rebecca Clark, Victoria Lopez

Department of Biology, Lund University, Sweden

Keywords: Azotobacter, Chemical fertilizers, Inoculation, Pseudomonas, Wheat yield

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10.

Evaluation of varied concentrations of fly ash on growth, productivity and biochemical activities in Carthamus tinctorious L. A commercially important crop

Qurratul, Sumira Jan, Riyazzuddin Khan, Mahmooduzzafar, T O Siddiqi

Department of Environmental Sciences, University of Peshawar, Peshawar, Pakistan

Keywords: Fly ash,productivity,Photosynthetic pigments, nitrate reductase (NR) activity, sugar content

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