CITHARA
JOURNAL

MULTIDISCIPLINARY SCIENTIFIC JOURNAL • ISSN: 0009-7527

Table of Contents

Volume 64, Issue 4 — April 2024

Research Articles

1.

Recession, Gov. Decision, and Consumers' Behavior A Cognitive Game Approach – Theoretical Analysis

Ghada Gomaa A. Mohamed, PhD

Department of Economics, Helwan University, Egypt

Keywords: Cognitive game theory, Recession, Economic Crisis, Consumers' Behavior, Consumers' Spending, Governments' Bailout Plans, Expansionary Fiscal Policy, Government Decision Making, Government Policy Analysis, Public Policy Analysis.

2.

THE SEGMENTATION OF LOWER MODIFIERS IN OFFLINE HANDWRITTEN HINDI TEXT

Naresh Kumar Garg, Lakhwinder kaur, Manish Kumar Jindal

Department of Computer Science, Panjab University, India

Keywords: Lower Modifier Segmentation; Segmentation problems; Handwritten Hindi Recognition System; Over\nsegmentation

3.

Efficiency Analysis in Production Systems With Imprecise Data

Rebecca Clark, Victoria Lopez, Samantha Hill

School of Mathematics, Seoul National University, South Korea

Keywords: Data envelopment analysis, Efficiency, Imprecise data, Input/output

4.

Validating Rule-Based Algorithms

Laszlo Lengyel

Department of Computer Science, Budapest University of Technology, Hungary

Keywords: verification/validation of rule-based systems; graph rewriting-based model transformations; dynamic verification of model transformations

---

5.

A MODEL FOR DECISION MAKING TO IMPROVE LEARNING EFFECTIVENESS IN MANAGEMENT SCIENCE

Maria Romero, Luis Romero

Department of Education, Universidad de Valencia, Spain

Keywords: Optimization, simulation, decision analysis, practical reasoning, analytical thinking

---

6.

Sensitivity efficiency analysis in European railways

Justo de Jorge, Cristina Suï¿½rez

Department of Business Administration, Universidad Rey Juan Carlos, Spain

Keywords: corrected efficiency, European railways, Deregulation

---

7.

Effects of qi and activating blood circulation herbs on angiogenesis and expression of Vascular endothelial Factor (VEGF) and Endostatin Protein(ES) in acute myocardial infarction (AMI) in rats

Chenglong Zheng1,2,#, Panchu Yang3,#, Lu Zhang2,#, Meiying Niu2, Yue Lan2, Qing Sun2, Kun Huang2, Ting Wan2, Dandan Yang2, Xin Qi2, D.S.Sheriff4and Shuwen Guo2,*\n1Beijing Gulou Hospital of Traditional Chinese Medicine,13 Dou Fu Chi Hutong,Dongcheng Distr

Department of Traditional Chinese Medicine, Guangzhou University, China

Keywords: Myocardial ischemia□angiogenesis□Vascular endothelial growth factor(VEGF)□Endostatin (ES) protein□Supplementing qi and herbs that promote blood circulation

---

8.

Recovery and Conservative Effects of Aerated Hydration on Artificially Aged and Fresh Seeds of Pepper

Gamze Kaya

Department of Food Engineering, Cukurova University, Turkey

Keywords: Capsicum annuum, priming, seed vigor, EC, germination

9.

Increment in acute phase proteins in high altitude climbers

Nazan Dolu, Sami Aydogan, Tolga Saka, Nihat Kalay, Asiye Kanbay, Mehmet Karakus, Mehmet Akif Baktir, Fahrettin Kelestemur

Department of Physiology, Erciyes University, Turkey

Keywords: Mountaineer, sedentary, high altitude Neutrophile lymphocyte ratio acute phase proteins

10.

Methodological approach for eco-innovative design based on inventive principles

Ahmed Cherifi,Mario Dubois, Mickael Gardoni, Abdelaziz Tairi

Department of Industrial Engineering, Universite du Quebec, Canada

Keywords: Eco-innovation; Eco-design; TRIZ; Indicators; Eco-efficiency