CITHARA JOURNAL

MULTIDISCIPLINARY SCIENTIFIC JOURNAL • ISSN: 0009-7527

Table of Contents

Volume 65, Issue 5 — May 2025

Research Articles

1.

A COMPUTER AIDED BREAST CANCER DIAGNOSIS SYSTEM BASED ON SHEARLET MOMENTS

M. Kanchana1,P. Varalakshmi2\n 1 Research Scholar, Anna University, Chennai.

Department of Computer Science, Anna University, Chennai, India

Keywords: breast cancer, statistical moments, shearlet transform, wavelet, curvelet

2.

Experimental Investigation for cooling of cabin through Augmented Ventilation System using Renewable Hot and Cool Sources

N.B. Geetha and R.Velraj

Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli, India

Keywords: Green building, Passive cooling, Ventilation, Solar chimney, Free cooling, CFD\nsimulation.

3.

Households Willingness to Pay for Safe Drinking Water in District Peshawar

Suleman Amin, Jangraiz Khan

Department of Environmental Science, University of Peshawar, Peshawar, Pakistan

Keywords: Willingness to Pay, Contingent Valuation Method, Safe Drinking Water, Binomial logit Model

4.

On the Cuspidal Characters of GL(5, q)

Nazra Sultana, Azhar Hussain

Department of Mathematics, University of Dhaka, Dhaka, Bangladesh

Keywords: General Linear Group, Cuspidal characters, Discrete series,\nPrincipal series.

5.

Calculation of Excited-State Ionization Potentials for Nitrogen-Like Sequence

Murat Yıldız

Department of Physics, Middle East Technical University, Ankara, Turkey

Keywords: Ionization potentials, Excited states, Weakest bound electron potential model theory, Nitrogen-like sequence

6.

Critical Success Factors in Software Projects

Sayed Muhammad Fawad Sharif, Basheer Ahmad

Department of Management, University of Karachi, Karachi, Pakistan

Keywords: Software Projects, Critical Success Factors, Communication factors, Technical factors, Organizational factors, Environmental factors, Product factors, Team factors, Project management factors

7.

Risk of residual aluminum in treated water with aluminum sulfate: the case of the treatment plant of the city of Skikda (Algeria)

Bachir Meghzili

Department of Environmental Engineering, University of Algiers, Algiers, Algeria

Keywords: Aluminum sulfate, residual aluminum dosage, bentonite, MEB-EDX X-ray fluorescence