



Table of Contents

Volume 65, Issue 9 — September 2025

Research Articles

1.

Investigation of Dielectric Properties of the polyamide enamel filled with micro and nano fillers of SiO₂ and Al₂O₃

D. Edison Selvaraj
Dr. C. Pugazhendhi Sugumaran
M. Raj Kumar
D. Krishnamoorthi
J. Ganesan
S. Geethadevi
S. Dinesh Kumar

Department of Physics, Anna University, Chennai, India

Keywords: micro fillers, nano fillers, silica, alumina, polarization, insulation resistance, internal field

2.

Synchronization of discrete-time hyperchaotic systems using forced arrow form matrix for secure communication

Sonia HAMMAMI

Department of Mathematics, University of Tunis, Tunisia

Keywords: Discrete-time hyperchaotic systems; Aggregation techniques; Forced arrow form matrix; Synchronization; Secure communication.

3.

Cytotoxicity effects of *Cornus mas* L. (Cornelian cherry) leaf extracts in human normal and cancer cell lines

Christopher Lee, Sarah Johnson, Emily Davis, Jessica Brown

Faculty of Pharmaceutical Sciences, Universidad Nacional Autónoma de México, Mexico

*Keywords: *Cornus mas* L., Cytotoxicity, MTT assay, Cell lines*

4.**Determining the effect of drug treatment season on varroa (Varroa destructor) population in honeybee colonies**

Ethem Akyol, Halil Yeninar

Department of Biology, Istanbul Technical University, Turkey

Keywords: Honeybee, Varroa destructor, Drug treatment season, Oxalic acid, Efficacy

5.**On The k-Tribonacci Numbers, k-Tribonacci Matrix and Pascal Matrix**

Dursun Tasci

Department of Mathematics, Gazi University, Ankara, Turkey

Keywords: k-Tribonacci numbers, k-Tribonacci matrix, Pascal matrix

6.**MEPSES: A METHODOLOGY TO ENHANCE PROGRAMMING SKILLS OF E-LEARNING STUDENTS**

Muhammad Tariq Pervez, Sarfraz Ahmad, Shah Muhammad, Naeem Aslam, Salman Qadri

Department of Computer Science, University of the Punjab, Lahore, Pakistan

Keywords: Open source, e-learning, distance learning, methodology

7.**Encryption Algorithm Using Graph Theory (10-Times New Roman)**

Wael Al Etaifi

Department of Computer Engineering, University of Sharjah, UAE

Keywords: Encryption, Algorithm, Graph Theory, Cryptography

Cithara Journal

Published by Cithara Journal

<https://cithara-essays.com>