

Table of Contents

Volume 61, Issue 9 — September 2021

Research Articles

1.

Efficient Techniques for Constructing Optimal Iterative Methods with Eighth and Sixteenth Order of Convergence for Solving

I. A. Al-Subaihi, Hani I. Siyyam

Department of Mathematics, King Abdulaziz University, Saudi Arabia

Keywords: Newton's method; Iterative methods; Efficiency index; Order of Convergence; Optimal Iterative methods.

2.

Inhibitive effect by extract of Telfaria occidentalis leaves on the corrosion of mild steel in acid media

Niketan Patel, Girishkumar Mehta

Department of Chemical Engineering, National Institute of Technology, India

Keywords: corrosion inhibition; electrochemical polarization; electrochemical impedance spectroscopy; mild steel.

3.

Biblical Phraseology in Azerbaijani Language

Gulnara Sadikhova

Department of Linguistics, Baku State University, Azerbaijan

Keywords: Cultural Diversity, Globalization, Multilingualism, Assimilation, Cultural \nPluralism

4.

CIRCULATING NONSTRUCTURAL-4 ANTIGEN AS A DIAGNOSTIC TOOL FOR HCV IN EGYPTIAN PATIENTS

Atef Amer\nTarek Hodhod \nMohamed Elbendari

Department of Hepatology, Cairo University, Egypt

Keywords: HCV-RNA, 27-kDa, Liver pathology, ELISA

5.

Near and Far

Jae Hee Kim, Hee Sik Kim, J. Neggers

Department of Physics, Korea Advanced Institute of Science and Technology, South Korea

Keywords: near, far, Riemann zeta function.

6.

Graphoidal covering number for the class of graphs G with $\eta > q-p$

K. R. Singh, P. K. Das

Department of Mathematics, Indian Institute of Technology Delhi, India

Keywords: Graphoidal cover, graphoidal covering number

7.

DEVELOPMENT OF VIEWS ON THE FORMATION OF THE SPECIALIST PERSONALITY IN THE HERITAGE OF MEDIEVAL SCHOLARS

Atemova K.T., Duisenova Zh.K., Aldabergenova M., Mendikulova Zh.A., Baykenzhe N., Nurmanova A.O.

Institute of Psychology, Al-Farabi Kazakh National University, Kazakhstan

Keywords: a specialist, a specialist's professional identity, medieval scholars, national identity, the culture of a specialist's relations.

8.

Using Residue Theorem to Solve Some Definite Integrals

Tsai-Jung Chen, Chii-Huei Yu

Department of Mathematics, National Taiwan University, Taiwan

Keywords: definite integrals, trigonometric functions, closed forms, residue theorem, Maple

9.

DEFINITION OF LAPLACE-STIELTJES TRANSFORM FOR THE ERGODIC DISTRIBUTION OF THE SEMI-MARKOV RANDOM PROCESS

Tamilla NASIROVA, Bahar SHAMILOVA, Ulviyya KERIMOVA

Department of Mathematics, Baku State University, Azerbaijan

Keywords: Laplace-Stieltjes transform, semi-markov random process, ergodic distribution, process with positive tendency and negative jumps.

10.

RESEARCHING CONSUMERS' SATISFACTION WITH THE MOBILE COMMUNICATION QUALITY: A MONTENEGRIN CASE STUDY

Boban Melovic, Slavica Mitrovic, Mijat Jocovic, Tamara Markovic, Slobodan Moraca

Faculty of Business, University of Novi Sad, Serbia

Keywords: user, satisfaction, quality, mobile communication

11.

THE ECONOMIC DEVELOPMENT, WELFARE AND TOURISM EFFECTS OF THE OLYMPICS

Ahmet Zeki Demir\nMurat Eliaz\nMehmet Cebi

Department of Economics, Istanbul University, Turkey

Keywords: Economic Development, Welfare, Olympics, Tourism

12.

GENOTOXICITY ANALYSIS BY PRESENCE OF ARSENIC IN LEACHATE OF THREE SOIL BY MICRONUCLEUS TEST TRADESCANTIA CLONE 4430

Miguel Angel Rico-Rodriguez, Francisco Prieto-Garcia, Te-Hsiu Ma, Judith Prieto Mendez, Elena Maria Otazo-Sanchez y Otilio Arturo Acevedo-Sandoval

Department of Environmental Science, University of Salamanca, Spain

Keywords: Arsenic, Tradescantia, Micronucleus, Mutations, Clon 4430

13.

Influence of Silica fume in the Flexural Behaviour of Hybrid Ferrocement Slabs

Dr.S.Deepa Shri, Dr.C.krishnaraj

Department of Civil Engineering, Anna University, India

Keywords: : Ferrocement, Self Compacting Concrete, Super Plasticizer, Viscosity Modifying Agent, Silica Fume, Workability, Flexural Strength, Deflections, Moment.

14.

Functional performance analysis of government body in the Republic of Kazakhstan: methodological aspects

Aliya Kenzhebayeva, Margarita Kadyrova, Gulsara Junusbekova, Railash Turchekenova

Department of Public Administration, Kazakh National University, Kazakhstan

Keywords: functional analysis, outsourcing, vertical analysis, horizontal analysis

Cithara Journal

Published by Cithara Journal

<https://cithara-essays.com>