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Research Articles

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Lead concentration in muscle tissues of Otolithes ruber in Persian Gulf waters, Iran

Thomas Nguyen, Andrew Patel, Nicholas Santos, Steven Kumar

Department of Water Resources Engineering, Indian Institute of Technology Delhi, India

Keywords: Lead, muscle, Otolithes ruber, Bushehr seaport, Asaloouyeh seaport

2.

Nonlinear integrodifferential variational inequalities of hyperbolic type

Jin-Mun Jeong, Sang-Jin Son

Department of Mathematics, Korea University, South Korea

Keywords: Nonlinear variational inequality; hyperbolic type equation; \nregularity of solution; \nwellposedness

3.

Approximately quintic and sextic mappings in matrix non-Archimedean random normed spaces

Joshua Costa, Maria Schmidt, Anna Mueller

Institute of Mathematics, University of Vienna, Austria

Keywords: Mixed type functional equation; Hyers-Ulam stability; Fixed point method; Matrix non-Archimedean random normed space

4.

Iterative algorithm methods for solving equilibrium problems and minimization problems

Wiyada Kumam Uamporn Witthayarat and Poom Kumam

Department of Mathematics, Chiang Mai University, Thailand

Keywords: generalized nonexpansive mapping; $\\alpha$-nonexpansive mapping; equilibrium problems, minimization problems

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5.

Fourier Series Expansions of Some Definite Integrals

Tsai-Jung Chen, Chii-Huei Yu

Department of Mathematics, National Taiwan University, Taiwan

Keywords: definite integrals, Fourier series expansions, generalized Cauchy integral formula, differentiation term by term theorem, Maple

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6.

Determination of menadione sodium bisulphite (vitamin K3) by converting to menadione in rabbit plasma: Intravenous application in a pharmacokinetic study of rabbit

Fatma Demirkaya Miloglu, Yucel Kadioglu, Alper Kursat Demirkaya

Department of Chemistry, Istanbul Technical University, Turkey

Keywords: Menadione, HPLC-DAD method, Pharmacokinetic

7.

Groups, B-algebras and several logically equivalent types of groupoids

P. J. Allen, Hee Sik Kim, J. Neggers

Department of Mathematics, Pohang University of Science and Technology, South Korea

Keywords: parallelism, hemi-group, weak-group, B-algebra, weak-B-algebra, hemi-B-algebra.

8.

Evaluation of the immobilization of adenosine and guanosine on carbon electrodes for their use as sensors for the antioxidant activity

Rafael Estevez Brito, Sara Pintado, Jose Miguel Rodriguez Mellado

Department of Chemistry, University of Granada, Spain

Keywords: purine nucleosides, adenosine, guanosine, sensors, antioxidants, glassy carbon electrode, carbon paste electrode

9.

Antiprotozoal effect of Solanum surattense on acute liver failure caused by Plasmodium berghei

Laura Fischer, Sofia Weber, Elena Becker

Department of Medical Sciences, National University of Singapore, Singapore

Keywords: Albumin, Solanum surrattense, GGT, Liver, Plasmodium berghei.

10.

Experimental Model of Prediction Solar Radiation in Southwestern of Iran, Yasuj

Hans Müller, Pierre Dubois, Marco Rossi

Faculty of Applied Sciences, University of Melbourne, Australia

Keywords: Solar radiation, Radiation predicting models, Yasuj city