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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*

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#### **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; irregularity of solution; wellposedness*

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#### **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*

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## **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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## **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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## **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*

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## **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.*

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## **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*

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**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.*

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**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*

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