

In this issue

Research Article

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Developing analytical parameters and evaluation of thermo fisher urinary creatinine enzymatic method to implement in open system chemistry analyzers

Published On: September 16, 2020 | Pages: 030 - 033

Author(s): Ashraf Mina*, Leah McNeice, Shanmugam Banukumar and Santiago Vazquez

Creatinine assay is used mainly to monitor kidney function and for sample validity when testing for drugs of abuse. Creatinine alkaline picrate method based on Jaffe's reaction calls for extra cleaning procedures to minimize interference from picric acid and sodium hydroxide. Thermo Fisher enzymatic method is more sensitive and specific when compared to alkaline picra ...

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Development and optimization of mucoadhesive microballons of nizatidine for management of peptic ulcer

Published On: June 29, 2020 | Pages: 021 - 029

Author(s): Seema Jain, Neha Jain, Mohan Lal Kor, Umesh Kumar Jain and Abhishek Kumar Jain*

The mucoadhesive microballons prepared by using combination of Poly Acrylic Acid (PAA), Poly Vinyl Pyrrolidone (PVP) polymers by polymer-polymer combination with solvent diffusion method. It is managing the discharge rate of Nizatidine between therapeutic absorption windows by extended the gastric emptying time of formulation. The delivery systems make certain accessi ...

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Validation of spectrophotometric method for determination of esomeprazole and ciprofloxacin in their pure and dosage forms

Published On: January 29, 2020 | Pages: 001 - 005

Author(s): Mohsen M Zareh, Monir Z Saad, Wafaa S Hassan, Mostafa E Elhennawy and Mahmoud M Sebaiy*

A novel simple, accurate, sensitive and economical spectrophotometric method has been established and validated for the determination of esomeprazole and ciprofloxacin. The method is based on the oxidation of the studied drug by a known excess of potassium permanganate, followed by measuring the decrease in absorption (A) of KMnO₄ in acidic medium at wavelength of 52 ...

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Review Article

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An overview on NMR spectroscopy based metabolomics

Published On: June 03, 2020 | Pages: 016 - 020

Author(s): Nalini Kanta Sahoo*, G Tejaswini, Madhusmita Sahu and KS Muralikrishna

Introduction: A field of bioscience analysis that uses High throughput (HT) technologies to identify the products of metabolism formed in the cell metabolic processes (i.e. the metabolome). This process is termed metabolomics. The first NMR based metabolic studies were carried out by Wilson and Burlingame in the year 1974. Nuclear magnetic spectroscopy is one technique ...

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Short Communication

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Jaiphal Myristica fragrans (Houtt)-A promising seed for pharmaceutical industries

Published On: March 21, 2020 | Pages: 006 - 007

Author(s): Ankita Chakravarty, Jai Gopal Sharma*

The evergreen dark - leaved aromatic dioecious Myristica fragrans Houtt. (1774) is a native tree of Indonesia and is also

found in tropical countries like India (Kerala), Malaysia (Penang inland), Taiwan etc. It is popularly known as jaiphal and belongs to the family Myristicaceae. It has spreading branches and a yellow fleshy fruit. The fruits are sources of two valu ...

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Letter to Editor

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Regarding the measurement of therapeutic adherence

Published On: April 17, 2020 | Pages: 008 - 008

Author(s): Sara Malo*

Adherence to chronic therapies among population living in developed countries has been estimated about 50% [1]. This is a matter of concern, since poor adherence is associated with suboptimal clinical outcomes, increased frequency of adverse effects and high healthcare expenses [2]. ...

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Mini Review

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Bacteriocin-like protein produced *Brevibacillus laterosporus* that can inhibit the growth of drug resistant bacteria

Published On: June 03, 2020 | Pages: 012 - 015

Author(s): Monthon Lertcanawanichakul* and Kittisak Chawawisit

This minireview contains a compendium of bacteriocin or bacteriocin-like proteins produced from *Brevibacillus laterosporus* that can inhibit the growth of drug resistant bacteria. A good number of bacterial secondary metabolites/ bacteriocin/ bacteriocin-like proteins are reported to have anti-drug resistant bacteria activity or anti-cancer activity comparable to the e ...

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Perspective Study

A cross sectional study of alcohol consumption and risk factors

Published On: September 23, 2020 | Pages: 034 - 037

Author(s): R Dinesh Kumar, J Kalaiselvi and Siva S*

Introduction : Alcohol consumption is an important contributor to the global burden of different disease such as stroke, sleep apnea, pancreatitis, diabetes mellitus, CAD and so on. Urban populations are having greater risk of getting the alcohol induced disease. Objective: A cross sectional study of alcohol consumption associated with risk of different disease. To i ...

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Pharmaceutical Nanotechnology: A Therapeutic Revolution

Published On: May 05, 2020 | Pages: 009 - 011

Author(s): Douglas Dourado*

The definition of nanotechnology is not yet a consensus in the scientific community. Among the most widespread concepts, it can be defined as the science that studies nanoscale materials (1 to 1000 nm) involving areas such as materials engineering, energy, biotechnology, physics and pharmacy, among others [1]. It is based on the development of nanostructures, providin ...

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