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Research Article

Open Access Research Article PTZAID:IJPSDR-8-141

In silico phytochemicals analysis as inhibitors of the SARS-COV-2 main protease

Published On: August 29, 2022 | Pages: 038 - 045

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Background: The world population's full immunization with vaccines against SARS-CoV-2 is still challenging. Therefore, more research must be needed to find an active antiviral drug against the virus, including new mutated strains. Results: Therefore, this research analyzes 35 natural compounds isolated from various plants against SARS-CoV-2 main protease (Mpro) using ...

Abstract View Full Article View DOI: 10.17352/ijpsdr.000041

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Efficacy of a new Nutraceutical Formulation in preventing acute intestinal inflammation: New therapeutic opportunities for the treatment of diverticulitis?

Published On: August 27, 2022 | Pages: 032 - 037

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Acute diverticulitis is a painful, relatively sudden condition, characterized by the presence of low-grade inflammation in the colonic mucosa. Recent clinical trials supported the use of nutraceutical compounds in the treatment of patients with gastrointestinal disorders, including diverticulitis. To verify the hypothesis that nutraceutical ingredients my prevent dive ...

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Synergistic antifungal effectiveness of essential oils from andean plants combined with commercial drugs

Published On: August 03, 2022 | Pages: 023 - 031

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The appearance of antifungal resistance promotes the investigation of therapeutic options. There are few studies on the combined effect of antifungal drugs and essential oils (EOs). In the present work, regarding the association of eight EOs Andean plants with antifungal agents against a panel of fungi strains. Combinatorial effects were determined using the Fractiona ...

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Chronic (52-week) oral toxicity study of herbal tea of Moringa stenopetala and Mentha spicata leaves formulation in Wistar albino rats

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Background: Moringa stenopetala leaves have long been used to treat diabetes, hypertension, respiratory problems, and other diseases. The herbal formulation of Moringa stenopetala and Mentha spicata leaves was found to be more effective in lowering high blood pressure and blood sugar levels. Unlike its pharmacological properties, the long-term safety profile of this h ...

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Oropharyngeal Pathogenic Bacteria: Carriage, Antimicrobial Susceptibility Pattern and Associated Risk Factors among Febrile Patients

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Background: Pharyngeal and respiratory infections due to bacteria are global concerns especially because of the emergence of multi-drug resistant strains. The Oropharynx is one of the regions of the human body that is heavily colonized by microbial flora. So, the Oropharyngeal carriage is a major risk factor for an invasion and developing the disease. Therefore, this ...

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Review Article

Open Access Review Article PTZAID:IJPSDR-8-144

Evaluation of the cookies formulated with finger millet plant material for antidiabetic property

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Cookies are the most popular bakery food consumed worldwide. The development of reduced-sugar soft cookies by using Finger Millet, Syzygium cumini L. (Jamun) and stevia extract was investigated. In addition to it, Buttermilk powder was used as a bulking agent to improve the flavor, color and texture of the cookies along with other ingredients like flour, margarine, sa ...

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A review on silver nanoparticles focusing on applications in biomedical sector

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Considering that nanosilver-based materials have shown to have a novel, demanding, and promising properties appropriate for a variety of biological applications, silver nanoparticles (AgNPs) have evolved into one of the most researched and examined nanostructures created from nanotechnology in recent years. Silver nanoparticles (AgNPs) have been the subject of researc ...

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A review of microfluidic impedance sensors for pathogen detection

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Author(s): Chen Li, Mu Yuan*, Zhian Li

The development of rapid, sensitive and specific methods for the detection of foodborne pathogens is important to ensure food safety. Currently, detection methods such as counting methods, immunoassays, and biosensors have been developed for detecting foodborne pathogenic bacteria, and impedance sensors combined with microfluidic technology have received extensive att ...

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Glass Delamination in sterile formulations and Drug Recalls: A Review

Published On: January 19, 2022 | Pages: 001 - 005

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Injectable formulations are constantly facing continuing challenges of glass compatibility. To assure glass compatibility of the injectable formulation in the area of current interest. Most of the common and serious challenges of glass compatibility are glass delamination. Glass delamination is basically the degradation of the glass and formation of the flakes as a re ...

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