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In this issue

Research Article

Open Access Research Article PTZAID:JCMBT-10-158

Investigations of Antibiotic Susceptibilities of S. aureus Strains Isolated from Various Clinical Samples

Published On: October 01, 2024 | Pages: 022 - 025

Author(s): Sait Ramazan Gülbay* and Metin Doan

Objective: Staphylococcus aureus (S. aureus) is a critical microorganism that causes a range of infections with high morbidity and mortality rates, including skin and soft tissue infections, urinary tract infections, endocarditis, pneumonia, septic arthritis, osteomyelitis, and sepsis in both community and healthcare settings. The objective of this study was to ascert ...

Abstract View Full Article View DOI: 10.17352/jcmbt.000058

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Secondary Metabolites, Anti-Diabetic, Antioxidant, Anti-Arthritic and Antimicrobial Potential of *Justicia secunda* for Health Benefits

Published On: August 16, 2024 | Pages: 009 - 021

Author(s): Zacchaeus S Ololade*, Iyadunni A Anuoluwa, Aanuoluwa J Salemcity, Olayinka F Onifade, Funmilayo J Gbenga-Fabusiwa, Oluwatimilehin G Salemcity and Seyi P Balogun

The study was designed to investigate the ameliorative effect of phytochemicals in the extract of Justicia secunda (JS) on hyperglycaemia, the antioxidant status of alloxan-induced diabetic rats, and inhibitory potential on two important diabetes mellitus-associated proteins-alpha-amylase and alpha-glucosidase. At the same time to evaluate the anti-arthritic and antib ...

Abstract View Full Article View DOI: 10.17352/jcmbt.000057

Review Article

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Phytomediated synthesis of silver nanoparticles using Lepidium Sativum L. and their antifungal and cytotoxic potential

Published On: May 13, 2024 | Pages: 001 - 008

Author(s): Miran A El-Haggar*, Lobna S El-Hosseiny, Nabila M Ghazy, Fathy K El-Fiky and Amr M El-Hawiet

Bio-inspired synthesis of nanoparticles has received immense attention recently due to their vast applications in the biomedical field. Herein, a facile process using aqueous extracts of Lepidium sativum was used for the synthesis of nanosilver. The phytosynthesized silver nanoparticles showed characteristic silver surface plasmon absorption peaks at 420 and 440 nm fo ...

Abstract View Full Article View DOI: 10.17352/jcmbt.000056