ANTIBACTERIAL ACTIVITY OF PERGAMUM HARMALLA ROOT AND RHUS CORIARIA FURITS WATER EXTRACTS

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Abstract: Several therapeutic effects such as, antibacterial, anti-inflammatory and anti-viral properties have been reported for Pergamum harmalla, and Rhus coriaria. The aim of this study was to research antibacterial effects from P.harmalla roots, R.coriaria fruits, and their combinations (1:1) water extracts on the gram-negative and gram-positive bacteria. P.harmalla roots and R.coriaria fruits extraction was performed by clevegent method. Disc diffusion method used in this study, for assessing of Minimal Inhibitory Concentration (MIC), and measurement of zone inhibition diameter. Gram-negative and gram-positive bacterial strains in the current research such as: Morganellamorgannii, Salmonellatyphi, Kelesiella aerogenes, and Staphylococcus epidermidis were used. According our result, all of the mentioned bacterial were susceptible for P.harmalla, R.coriaria, and their mixture. P.harmalla root extract had most antibacterial activities as compared with microbial treatment with R.coriaria extract, but combinations of P.harmalla and R.coriaria indicated that highest antibacterial activity as compared with P.harmalla and R.coriaria treatment. Measurement of Zone Inhibition revealed that most amount.

Publications:
2. Genetic Diversity Using Random Amplified Polymorphic DNA (RAPD) Analysis for Aspergillus niger isolates
3. Au-Ag-Cu nanoparticles alloys showed antifungal activity against the antibiotics-resistant Candida albicans
4. Induce mutations for Bavistin resistance in Trichoderma harzianum by UV-irradiation
5. Biliary Sludge. Analysis of a Clinical Case

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