



ANTIBACTERIAL ACTIVITY OF PERGAMUM HARMALLA ROOT AND RHUS CORIARIA FRUITS 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.corariia fruits, and their combinations (1:1) water extracts on the gram-negative and gram-positive bacteria. P.harmalla roots and R.corariia fruits extraction was performed by cleverger 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: *Morganella morganii*, *Salmonella typhi*, *Kelesella aerogenes*, and *Staphylococcus epidermidis* were used. According our result, all of the mentioned bacterial were susceptible for P.harmalla, R.corariia, and their mixture. P.harmalla root extract had most antibacterial activities as compared with microbial treatment with R.corariia extract, but combination of P.harmalla and R.corariia indicated that highest antibacterial activity as compared with P.harmalla and R.corariia treatment. Measurement of Zone Inhibition revealed that most amount .



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