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A study of antimicrobial activity of few medicinally important herbal single drugs extracted in ethanol, methanol and aqueous solvents

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There is a currently worldwide upsurge in the use of herbal preparations and active ingredients of medicinal plant in health care. This is particularly true in the rural areas of Asian countries where herbal medicines are the only choice for treating human ailments. Present study reveals the difference in the antimicrobial activity pattern of *Hemidesmus indicus*, *Smilax china*, *Ocimum basilicum*, *Ocimum sanctum*, *Ocimum cannum*, *Azadirachta indica* A. Juss, *Trigonella foenum-graceum* and *Piper cubeba* extracted in ethanol, methanol and aqueous solvents against the pathogenic organisms *E. coli* (ATCC 25922), *Staphylococcus aureus* (ATCC 25923), *Pseudomonas aeruginosa* (ATCC 27853), *Bacillus subtilis* (L 10969), *Bacillus subtilis* (SL5740) and clinically isolated strains *Shigella*, *Klebsiella*, *Proteus*, *Salmonella paratyphi*, *Salmonella Typhi* and *Staphylococcus aureus*. Among all the extracts ethanol shows more activity with a zone of inhibition ranges from 10 mm to 22 mm. And aqueous extract shows less inhibition which ranges from 6 mm to 11 mm.

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Isolation and characterization of two new glycosides from black cumin

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Two new glycoside, decanyl nigelloic acid diglucoside, n-decanyl-3-aldehydic-4-methoxy-5-hydroxybenzoyl-5-β-D-glucopyranosyl-(2→1)-β-D-glucopyranosyl-(2→1)-β-D-glucopyranoside and nigelabdienoyl triglucoside, homolabd-5, 9 (11)-dien-16-onyl-β-D-glucopyranosyl (2→1)-β-D-glucopyranosyl (2→1)-β-D-glucopyranoside along with other seven known compounds were isolated from the seeds of black cumin. The structure of these new glycosides were elucidated and established by standard spectroscopic methods.

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