

3rd International Conference and Exhibition on **Traditional & Alternative Medicine** August 03-05, 2015 Birmingham, UK

Antimicrobial activity from the seeds of *Psoralea corylifolia*

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Plants have been one of the most important sources of medicines. The screening and isolation of bioactive compounds from plants is increasing, as these compounds are much safer and less toxic than the chemically synthesized drugs. The antibacterial activity of the seeds of *Psoralea corylifolia* has already been documented. The extract of seeds has shown antibacterial activity against some of the oral bacterial species tested. Hence the study was done to evaluate the antibacterial effect of seeds of *Psoralea corylifolia* against some of the bacterial pathogens. The aqueous, chloroform and ethanolic extract of seeds of *Psoralea corylifolia* were tested for their activity against 10 different species. The extract showed activity against *Shigella dysenteriae*, *Bacillus cereus*, *Salmonella typhi*, *Actinomyces viscosus* and *Vibrio cholerae* whereas *Escherichia coli*, *Staphylococcus aureus*, *Proteus mirabilis*, *Pseudomonas aeruginosa* and *Enterococcus faecium* were inhibited. Antibacterial effect of aqueous & chloroform extract of seeds were higher than the ethanolic extract against *Staphylococcus aureus*. The chloroform extract showed more inhibition against *Pseudomonas aeruginosa*, when compared to the inhibitory action of the ethanolic and aqueous extract of seeds. The ethanolic extract of seed was more active against *Enterococcus faecium*. The antimicrobial effect of *Psoralea corylifolia* seeds may be due to the presence of secondary metabolites. Hence further analysis of the compounds and their testing against micro-organisms would help to develop a new antimicrobial agent that may be of great importance.

Biography

Md Obiedullah Baig has completed BUMS from Dr. MGR University, completed Post Graduation MD from Indian Institute of Alternative Medicine & Research Center, and then he completed Post Graduate Diploma in Herbal Bio-Technology in University of Madras. He has been awarded FCIP and he established Dr. Baig's Unani Herbal Clinic in the year 2000. Since then he has published several research papers, articles in unani medicines & herbal research of various diseases. For the Unani & Herbal Research he got 2 International Awards and 5 National Awards.

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