

# 5<sup>th</sup> Animal Health and Veterinary Medicine Congress

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## Potential antibacterial activity of some Saudi Arabia honeys

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The goal of this study is to discuss the potential antibacterial activity of some Saudi Arabian honeys against selected Gram-positive and Gram-negative bacterial strains of medical importance. The antimicrobial activity of 10 Saudi Arabian honeys against five pathogenic bacterial strains which has antibiotic-resistant including *Staphylococcus aureus*, *Streptococcus pyogenes*, *Klebsiella pneumoniae*, *Escherichia coli* and *Pseudomonas aeruginosa* was done. All honeys tested exhibited antibacterial activity against all five bacterial strains with different levels according to the type. The potential activity was differing according to the pathogen and honey type. It could be concluded that the results of the current study indicate that Saudi honeys inhibits the growth and survival of bacterial strains and that honey can be used as complementary antimicrobial agent against pathogenic bacteria.

### Biography

Ahmed F M Al Gethami is the Founder member in the Saudi Society for Food and Nutrition Sciences, member in Arab Beekeepers Society, member of the German Society for Medication using Honey Products, member of the French Beekeepers, member of Prince Majed Bin Abdul Aziz Center for Herbs and Natural Alternatives and attending a course in Apitherapy, Fogo University China and Bee Keeping, Russia. He is attending a course in cupping therapy, France. He participated in German Honey and Bees Museum: achieving the No.1 place for the best honey in the world, 2006, participated in the World Conference for bees and beekeepers in Korea, 2015. He is also organizing training course for beekeepers at Al Madinah Al Manawarah City, Najran area and the First Festival for honey for Al Madinah Al Manawarah City KSA. He is supporting researches and projects in the Arab World by awarding prizes for the best five researches in honey and honey products. He is a Scientific Consultant in many studies and researches in Apitherapy.

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