

## 6<sup>th</sup> World Congress on **Biotechnology**

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### Plant extracts and phytochemicals as herbal medicines and antimicrobials

**Arti Goel**

Amity University, India

Primary healthcare systems involve use of medicinal plants as an effective source of both traditional and modern medicines. Any plant which possesses curative elements or properties in one or more of its organs may be termed as medicinal plant. Plant based medicaments have been employed since the dawn of civilization for prolonging the life of man and for combating various ailments. World Health Organization (WHO) also advocates use of traditional medicines as safe remedies for ailments of both microbial and non-microbial origins. According to 'WHO' more than one billion people rely on herbal medicines to some extent. 21,000 plants all around the world have been listed for their medicinal uses and it has been estimated that as many as 80 percent of the world's population depends on plants for their primary healthcare needs. Plants used for traditional medicine contain a wide range of substances that can be used to treat chronic as well as infectious diseases. Medicinal value of plants depends on these inherent substances that produce a definite physiological action on the human body.

#### Biography

Arti Goel has completed Master's degree in Botany and Doctorate in Microbiology from Mohan Lal Sukhadia University, India and has completed Postdoctorate in Agricultural and Microbial Nanotechnology from Central Arid Zone Research Institute, India. Her research interests are as follows: Medicinal plants antimicrobial properties as well as synthesis, characterization and applications of microbially synthesized nanoparticles on agrosystem. Currently, she is working as an Assistant Professor at Amity Institute of Microbial Biotechnology, Amity University, India. Her research publications in this field include 12 papers in reputed journals, 14 scientific articles, two patents. She is serving as an Editorial Board Member of reputed journals. She is also a Managing Editor of a scientific magazine entitled "Bioevolution" of Gyandhara Academic International Publications, India.

[agoel2@amity.edu](mailto:agoel2@amity.edu)

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