

One Health & Honey Bees

Session Titles & Descriptions

With Gratitude Our Keynote Presenter



Four generations: Charles Mraz's Legacy of Bee Venom and Honey"

Presenter: Curtis Mraz, President, Champlain Valley Honey

Description: Charles Mraz founded Champlain Valley Apiaries in 1931. Throughout his career as a beekeeper, he made significant contributions to the apiculture industry as well as pioneering research in apitherapy. 95 years later, Charles' legacy lives on. Today Champlain Valley Apiaries is in its fourth generation of family ownership and manages

around 1,000 honey bee colonies throughout the state of Vermont for honey and bee venom production. Curtis Mraz, the great-grandson of Charles Mraz, will review some of his great grandfather's work and accomplishments before discussing his own experience growing up in a world inundated with bee stings and honey.

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Medicinal Beekeeping – A Cornerstone for Apitherapy Practitioners

Presenter: Dr. Stefan Stangaciu, MD – President, International Federation of Apitherapy.

Description: This session will explore the concept of “Medicinal Beekeeping,” a health-oriented approach to beekeeping that ensures the highest quality and therapeutic potential of hive products. Participants will learn how careful choices in hive management, forage sources, harvesting, and processing can enhance the medicinal properties of honey, pollen, propolis, royal jelly, bee venom and all other bee products, including beehive

air and bee vibrations. Special emphasis will be placed on how practitioners can collaborate with (other) beekeepers to secure authentic, therapeutic-grade bee products essential for clinical apitherapy practice.

Uniting Bees and Plants: The Synergy of Apitherapy and Phytotherapy

Description: This session will highlight the powerful synergy between apitherapy and medicinal plant knowledge. By combining the healing properties of bee products with those of medicinal herbs, practitioners can create integrative protocols that support vitality, resilience, and holistic health. Practical examples will be shared on how to design effective combinations, adapted to various health challenges, and how this approach strengthens both preventive and therapeutic strategies in natural medicine.

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The Role of the Honey bee within the ‘One Health’ Concept

Presenter: Dr. Joerg Mayer, Full Professor at the department for small animal medicine and surgery at the Veterinary College of the University of Georgia.

Description: The honey bee is responsible for pollinating about 30% of what we eat directly. It is estimated that the honey bee contributes over \$18 billion of agricultural production in the United States alone.

Without honey bees in our world, we would not only suffer a significant loss economically. This economic fact alone highlights the importance of the health of the honey bee for our whole ecosystem.

In addition, the honey bee also contributes to our wellbeing as we can use the multiple products from the hive in our health care routine. The lecture will highlight how the honey bee is an essential and central part of our planet and that it is in the best interest for everyone to make sure that the honey bee is well cared for as we ultimately benefit from healthy hives everywhere.



A Comprehensive Look at Lyme Disease

Presenter: Dr. Patrick Fratellone- MD, RH, (AHG) FIM, FACC, President of the American Apitherapy Society (AAS)

Description: This session will identify the correct labs to use, as well as all treatment protocols. These protocols involve botanical medicine, bee venom therapy, propolis, colloidal silver, as well SOT.

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Eco-Acoustics & the Frequency Bee Chamber: Reconnecting Through Sound

Presenter: Samantha Winship- Beekeeper, Sound therapy Researcher, Apitherapist

Description: This presentation explores the innovative use of eco-acoustics in beekeeping, focusing on the Frequency Bee Chamber—a specially designed space where the natural sounds and frequencies produced by bees are amplified to promote relaxation, healing, and deeper human

connection with the hive. By harnessing the therapeutic potential of bee vibrations, we bridge ancient apitherapy practices with modern sound science.



Paraspinal Bee Venom Therapy: An Introduction Connecting Apitherapy and the Nervous System with Potential Complimentary Outcomes.

Presenter: Petrusia Kotlar DC- Doctor of Chiropractic, VP of American Apitherapy Society, Medicinal Beekeeping and Education Commissions of International Federation of Apitherapy

Description: This presentation explores the correlation between chiropractic philosophy and the effects of bee venom therapy, a branch of apitherapy, on autonomic and sympathetic nervous system responses when administered at corresponding paraspinal points on the human body. Chiropractic care is rooted in the belief that spinal misalignments can adversely affect the nervous system, potentially leading to a variety of health issues. Bee venom therapy, which utilizes the pharmacological properties of bee venom, has garnered attention for its anti-inflammatory and analgesic effects, particularly in the treatment of musculoskeletal conditions.

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BEEcoming an Unexpected Healer

Presenter: Kristine Jacobson, Apitherapist and Beekeeper

Description: A layperson's journey into the healing world of Apitherapy, Honeybees, Hive Products, Group Stinging & Beekeeping. An overview of basic protocols, tools, precautionary measures and helpful suggestions for bee sting application. Also a discussion of various conditions treated with Apitherapy and results.



The Natural Medicine: Cabinet of HoneyBees

Presenter: Trish Thompson, NC Master Beekeeper

Description: Discover the healing potential of the hive in this introduction to apitherapy. Learn how honeybee products—including bee venom, honey, pollen, propolis, and royal jelly—are being used around the world to support health and wellness. This presentation will share both research and real-world applications, highlighting safe practices, therapeutic benefits, and how apitherapy can complement modern care.

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Medicinal Use of Honey: Evidence-based Applications

Presenter: Dr. Ferhat Ozturk is the Project Director of the HONEY Pathway and an Associate Professor of Instruction at the University of Texas at San Antonio (UTSA).

Description: Honey has been used for centuries as a natural remedy for various ailments, including the prevention and treatment of wounds, infections, diabetes, cancer, and asthma, as well as cardiovascular, neurological, and gastrointestinal diseases. Due to its nutritional value and therapeutic potential, honey has been identified as a nutraceutical product. Not every honey is created equal! There are more than 200 components identified in honey, which is dependent on its nectar source, climate, landscape, altitude, and bee strain. Therefore, it is critical to identify the biochemical agents within the honey, such as phenolics, flavonoids, and tannins, to identify its antioxidant and antimicrobial potentials.

In this presentation, Dr. Ozturk will give a brief outline about use of honey as a therapeutic agent for centuries, as well as provide evidence-based information about the bioactivity potential of different honeys and use of medical-grade honeys for wound healing in clinical settings. He will also provide up- to-date information from the bioactivity analysis of local TX honeys by the HONEY Pathway students.

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Propolis- An Overview

Presenter: Ahmed G. Hegazi- Professor of Microbiology and Immunology, National Research Center, Dokki, Giza, Egypt
Vice-President of the International Federation of Apitherapy (IFA) and Regional coordinators to promote Apitherapy of Africa

Description: Come explore the historical background, throughout ancient Egyptian history until Roman times, Propolis, or "bee glue," is a well-known substance that beekeepers find in their hives. Propolis is defined as a natural product collected by honeybees from plants, consisting of a complex mixture of bioactive phenolic acids, flavonoids, and ethers. The chemical composition of propolis changed according to the geographical zones. Propolis contains mainly polyphenolic compounds, flavones, phenolic acid and esters. According to research, it has been reported that propolis has potent antibacterial, antifungal, antiviral, anti-inflammatory, and antioxidant properties. Flavonoids, aromatic and phenolic compounds, are responsible for antimicrobial and antioxidant characteristics.