

ROSES AND BUDS, IN THE CURRENT STATE OF BOTANICAL DIETARY SUPPLEMENTS-
A GLOBAL PERSPECTIVE



This oral session is dedicated to the **90th anniversary of the Nutrilite Dietary Supplement Brand of Amway**. Nutrilite™ exclusively from Amway is the global leader in the dietary supplement industry focused on health and wellbeing of people. This session will cover topics from pharmacognosy, emerging technologies and concepts related to consumers' health and wellbeing in the supplement industry. ROSES represents the strengths and all the value-added developments that are currently happening and where this sector is headed in the future. BUDS are the emerging areas that can be seen as opportunities to improve or build on to convert into roses (evolution or continuous improvement). Topics such as botanical quality, botanical authenticity, AI-linked precision nutrition, sustainability, traceability, integrity, and impact of extreme weather will be covered in detail. A message to cross-pollinate the science of pharmacognosy with botanical ingredients and phytonutrients in commercial supplement products will be emphasized. For ICNPR (attendees and organization) it will be a unique opportunity to take a leadership role in industry and partner with cohorts for the enhancement of quality, safety, and efficacy of botanical products on a global stage. This session will have the speaker panel deliver individual talks followed by a moderated panel discussion and ending with an interactive discussion between panel and audience.

Session Schedule:

Monday, July 15th, 2024, 8:30 AM - 12:30 AM; Room S2



8:30 AM – 8:45 AM:

Amit Chandra, Ph.D. Fellow – Advisor Botanical Innovation, Innovation and Sciences (R&D), Amway-Nutrilite, Michigan, USA (Session Chair)

Welcome and introduction to theme and panel.



8:45 AM – 9:10 AM:

Holly E. Johnson, Ph.D. Chief Science Officer, American Herbal Products Association (AHPA), Maryland, USA

Synergy by cross pollination of the science of pharmacognosy with the botanicals industry & addressing challenges in building sustainable supply chains



9:10 AM – 9:35 AM:

Fred Stevens, Ph.D. Professor & Associate Dean for Research, College of Pharmacy. Linus Pauling Institute, Oregon State University, Oregon, USA

Xanthohumol supplementation for mitigating inflammatory bowel disease



9:35 AM – 10:00 AM:

Oran Kwon, Ph.D. Professor, Ewha Womans University, Dept., of Nutritional Science and Food management, Seoul, South Korea

AI guided approach to precision nutrition

10:00 AM - 10:30 AM: Coffee break with ICNPR meeting attendees



10:30 AM – 10:55 AM:

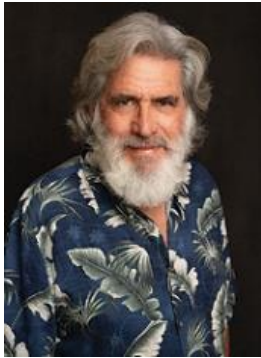
Amit Chandra, Ph.D. Fellow – Advisor Botanical Innovation, and **Summer Ragosta, Ph.D.** Research Scientist, Innovation and Sciences (R&D), Amway-Nutriline, Michigan, USA

Future of Traditional Herbals, where ancient wisdom meets modern science.



10:55 AM - 11:20 AM:

Funda Yalcin, Ph.D. Professor, Hacettepe University, faculty of Pharmacy-Dept., of Pharmacognosy, Ankara, Turkiye
Safety and efficacy assessment of herbal medicines and food supplements: the ESCOP approach.



11:20 AM – 11:45 AM:

Mark Blumenthal, Ph.D. Founder and Executive Director, American Botanical Council (ABC), Texas, USA
ABC's efforts for botanical adulteration prevention program (BAPP) and sustainable herbs program.

11:45 AM – 12:00 PM: Q/A with the presenters

12:00 PM – 12:30 PM: Moderated panel discussion followed by interactive audience / panel discussion.