

# World Nutraceutical Conference and Expo

July 13-15, 2015 Philadelphia, USA

## Ingredient innovation in weight management: New approaches for the development of functional botanical ingredients for innovative products

**Jat Rana**

Amway Corporation, USA

Use of botanicals for improving or to care for human health has evolved independently in different countries worldwide. In the scientific area, botanical products are generally intended as drugs, medicinal products, food supplements, or substances for therapeutic use derived from raw material of whole plants or parts of them. With the recent advent of high-throughput screening technologies, experimental analyses of the active ingredients and their mechanisms of action have become increasingly important along with the standardization of botanicals. After thousands of years of clinical practice and high-throughput screening & evaluation, scientists have discovered a variety of botanical ingredients possessing medicinal value. With accumulated experience and knowledge, the relationship between efficacy of ingredient and certain diseases or symptoms was gradually established. This presentation will focus on examples of various biological screening & extraction technology platform implemented for the discovery of innovative science based functional botanical ingredients for the development of weight management. This presentation will be of great interest to various R&D scientists looking for the innovation in ingredient technology and consumers who use new and innovative products.

### Biography

Jat Rana earned his Masters of Science in Applied Organic Chemistry and PhD in Organic Chemistry from Birmingham University, England, UK. He has done his Post-doctoral Fellowship at the University of Glasgow, Scotland in 1981 and USDA Research Fellowship at University of Minnesota, Minneapolis in 1985. He worked as a Production Manager at the Sigma-Aldrich Corporation in St. Louis, MO during 1985-1996. In 1996, he joined the Nutraceutical R&D group at Amway Corporation in Ada, Michigan, where he continues to provide his expertise in Natural products/Herbal Chemistry and Asian Traditional Medicine. Discovery of innovative ingredients from plants for health & beauty applications is his passion. He has published many scientific papers in peer reviewed journals.

[Jatinder\\_Rana@Amway.com](mailto:Jatinder_Rana@Amway.com)

### Notes: