



ANNOUNCEMENT: Plan to Attend the 2008 International Training Program on Natural Products: Botanicals, Nutraceuticals and Medicinal and Aromatic Plants

Hosted by Rutgers University and the New York Botanical Gardens this Intensive Short Course on Botanicals, Nutraceuticals, and Medicinal/Aromatic Plants, **will be held from August 11th - August 15th, 2008** at Rutgers University, New Brunswick, New Jersey with part of the course held (transportation provided) at the New York Botanical Garden, Bronx, New York City, NY. Rutgers is just one hour south of New York City, one hour east of Philadelphia, and 3.5 hours north of Washington, D.C.

THE PROGRAM:

The 2008 program courses focus on the origin and applications of Natural Plant Products, natural products chemistry, biochemistry, and extraction and processing methods. This also includes methods of isolation and analysis and an introduction of chemistry for the non-chemist. And an in-depth focus on quality control, traceability, authentication, adulteration and botanical standardization.

This course will also cover topics on genetic diversity, plant-based bioprospecting Quality Assurance and Quality Control for botanicals from sustainable bush wild-crafting, through the introduction of a new botanical into cultivation, organic production, harvesting and processing, storage, and the actual quality control and product standardization of simple and complex natural plant products.

Case studies on individual botanicals, herbs, spices, herbal teas, essential oils and medicinal and nutraceutical plants will be highlighted largely on African, American and Asian natural products. The marketing, trade and regulations of dietary supplement and nutraceutical industries will be discussed.

The 2008 program is geared to those interested in agriculture and food, the allied processing and product development industries and in international trade. For those involved in or interested in or involved in agriculture, this short course will include trainings in taxonomy and botanical authentication, plant genetic resources, genetic diversity, organic production technologies, developing real Good Agricultural Practices (GAP) and Good Sourcing Practices (GSP) for the successful commercialization of botanicals and in developing quality control programs for natural products including the development of tracking systems, standard operating protocols, and product specifications sheets for botanicals, medicinal plants, spices, essential oils and other herbal products and dietary supplements.

For those interested in new products, new scientific developments and the market of botanicals and dietary supplements, food safety, chemical characterization and bio-activity screening of botanicals will also be featured along with historical and current market trends.

The program includes workshops, lectures, hands-on laboratory including herbarium vouchering, and the screening of botanicals for antioxidants, total phenols and antimicrobial activity, and in the testing and evaluation of product quality (chemical and physicochemical attributes). Site visits to The New York Botanical Gardens (Bronx, NYC. Visit: <http://sciweb.nybg.org/science2/>), Herbalist and Alchemist, a commercial botanical manufacturer (Washington, NJ) and our own Rutgers field breeding and agricultural research experiment station (Pittstown, NJ) are planned.

HOW YOU WILL BENEFIT FROM THIS COURSE?

This intensive training program will be beneficial to anyone seeking in-depth training in the uses, economics, horticulture, processing, chemistry and biochemistry of botanical products, aromatic and medicinal plants, essential oils, herbal teas and spices and in the actual commercialization process for natural products and nutraceuticals including plant scientists, pharmaceutical and medical researchers and health care practitioners including:

More Information: Visit our website <http://aesop.rutgers.edu/~newuseag/> or contact:

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