

Euro-Mediterranean Conference and Expo on Life Sciences, Pharma and Biomedicine

Introduction

The wonderful success of previous Euro-Mediterranean Conferences of Life Sciences, Pharma and Biomedicine (BioNats), strongly inspires us to organize the 5th Euro-Med Conference (BioNat-5). The BioNat's conferences series was initiated in 2009 by the Euro-Mediterranean Association of Life Sciences (EMALS). EMALS aims to be a recognized World Forum for the dissemination and discussion of the cutting-edge breakthrough in Life Sciences, Pharma, Biomedicine and Natural Products. In every BioNat event we used to arrange a series of activities, such as Opening Ceremony, Renowned Speakers Forum, Exhibition, Mini-symposium for enterprises, Matchmaking, Poster sessions as well as sessions for fund raising, scientific writing and meet-the-expert. Through the conference, participants get an exclusive opportunity to network and be involved in inspiring and interesting discussions in well-planned modules.

BioNat Theme

If Mother Nature gives us the disease, Mother Nature also provides the cure to these diseases. The word pharmaceutical comes from the Greek word *pharmakeia*. The earliest drugstores date to the middle ages. The first known drugstore was opened by Arabian pharmacists in Baghdad in 754, and soon after many more began operating throughout the medieval Islamic world and eventually medieval Europe. By the 19th century many of the drugstores in Europe and North America had eventually developed into larger pharmaceutical companies; the source of all these drugs sold in drug stores was natural products. According to some estimates up to 75% of the drugs being used today have their roots in natural products.

Nowadays, the use of complementary/alternative medicine, functional food and especially the consumption of natural products have been increasing rapidly worldwide, mostly because of the supposedly less frequent side effects. Both in conventional and traditional medicines, natural products continue to provide valuable therapeutic agents.

The issues regarding the efficacy and safety of currently available modern medicine agents have prompted the search for safer and more effective alternatives.

Natural products are chemical compounds or substances produced by a living organism that usually have a pharmacological or biological activity for use in drug discovery. The chemical diversity, structural complexity, affordability, lack of substantial toxic effects and inherent biological activity of natural products makes them ideal candidates for new therapeutics. Venoms and toxins often specifically interact with a macromolecular target in the body. Attention is also devoted to the herbal medicine, plant-derived drugs, phytopharmaceuticals, bioactive proteins, anti-nutrients, synthetic drugs, ethno-pharmacology, and biodiversity.

BioNat Modules/Topics

Module 1: Herbal, Alternative and Traditional Medicine.

Module 2: Pharmacognosy, Phytochemistry, Pharmacology, and Pharmacokinetics.

Module 3: Nano Medicine and Drug Discovery.

Module 4: Diabetes, Obesity and Clinical Nutrition.

Module 5: Chemistry and Applications of Natural Products.

Module 6: Natural Toxins, Venoms, and Bioactive Compounds.

Module 7: Industrial and Clinical Pharmacy.

Module 8: Biochemistry and Molecular Biology.

Module 9: Legislations, Standardization, Regulatory Affairs, and Intellectual Property Rights.

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