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EUROPEAN UNION

Danube Transnational Programme

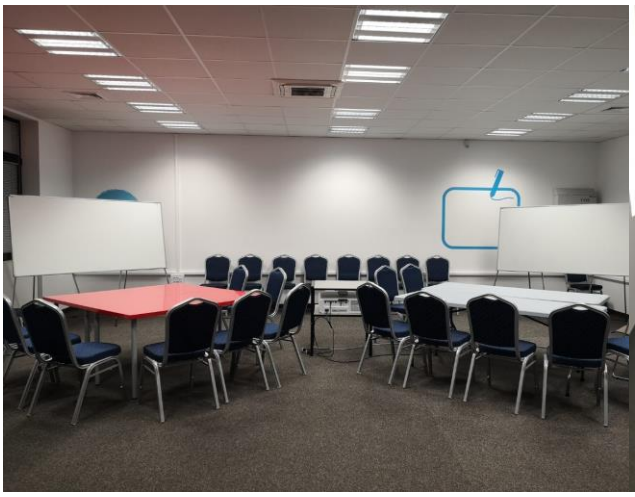
DanuBioValNet

Danube Phytopharma Forum

Converting bio-based resources into successful phytopharmaceutical products

Day 1: Lab Complex in Sofia Tech Park (STP)

The room for the workshop



Project co-funded by European Union funds (ERDF, IPA)

http://www.interreg-danube.eu/approved-projects/danubiovalnet

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Visit "Laboratory for extraction of natural products and synthesis of bioactive compounds" (STP)

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"Laboratory for extraction of natural products and synthesis of bioactive compounds"

ACTIVITIES

- Application of green extraction technologies for utilization of Medicinal Aromatic Plants (MAPs).
- Fractioning and purification of extracts, investigation of the content of active ingredients and their biological activity.
- Determination of activity profiles and development of standard procedures and documentation for phytochemical production, oriented to small and medium sized enterprises (SMEs).
- Development of standardization and control procedures for MAPs-based products, with the purpose to guarantee the consumer's interests.
- Isolation of individual biologically active compounds, structure elucidation and synthesis of natural compounds analogues, possessing structural diversity and bioactivity (identification of promising compounds for development of drug candidates).

SERVICES

- Development of procedures for extraction of biologically active components from medicinal plants. Preparation of pilot quantities of standardized bioactive extracts accompanied by analytical and others protocols
- Development of methods for analysis of mixtures of natural compounds, components for incorporation in cosmetic products, and final pharmaceutical formulations.
- Development of methodologies for analysis of natural products by high-performance thin-layer chromatography (HPTLC).
- Development of methods and procedures for synthesis, as well as obtaining of specified quantities of organic compounds ordered by pharmaceutical companies.
- Development of methods for the control of compounds in plant extracts (eg caffeic acid, rosmarinic acid, quercetin, etc.);
- Authentication of rose oil by GC-MS analysis.

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Day 2: Visit a rose field

(In collaboration with Bulgarian National Association Essential Oils, Perfumery and Cosmetics – BNAEOPC www.bnaeopc.com)

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Visit to Rosa Impex Cosmetic Company Ltd (phytopharma production facility - in collaboration with BNAEOPC) www.rosaimpex.com/en

Rosa Impex COSMETIC COMPANY

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Visit Vitanea brand new factory just opened near Plovdiv (in collaboration with Green Synergy Cluster www.en.greensynergycluster.eu) www.vitanea.com

vitanea®

Juices and Syrups

Aronia melanocarpa

Supplements

Tea

Project co-funded by European Union funds (ERDF, IPA)

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- **Visit to Galen-N HQ (distillery and extraction facility for phyto substances for pharmacy - in collaboration with BNAEOPC)** www.galen-n.com

GALEN-N Ltd

Essential Oils and Floral Waters

Concretes and Absolutes

APIs (active pharmaceutical ingredients)

Rose Oil Capsules

Project co-funded by European Union funds (ERDF, IPA)

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- **Visit to Kateko OOD (production of essential oils, aromatic products and raw materials - in collaboration with BNAEOPC)** www.bularosa.com

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Join the Danube Phytopharma Forum

See the beauty of Bulgaria and give boost to your business and bioeconomy

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For more information visit: http://phytopharmapa.abclusters.org or click here to register.

Bulgarian National Association

Association of Business Clusters

BIO PRO Baden-Württemberg GmbH

Green Synergy Cluster

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