

Danube Phytopharma Forum

Converting bio-based resources into successful phytopharmaceutical projects

 **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>

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



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

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

 **“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.

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

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


 **Day 2: Visit a rose field**

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



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

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

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

 **Rosa Impex**[®]
COSMETIC COMPANY



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

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

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

Juices and Syrups



vitanea[®]
Aronia melanocarpa



Tea



Supplements



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

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

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



Essential Oils and Floral Waters



Concretes and Absolutes



APIs (active pharmaceutical ingredients)



Rose Oil Capsules

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



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

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

Join Danube Phytopharma Forum

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



e-mail: Svetlin Ranguelov svetlin.rangelov@gmail.com; Olga Boyarintseva boyarintseva@bio-pro.de

For more information visit: <http://phytopharma.abclusters.org> or click [here](#) to register.