

NANO**B**ALKAN 2025

BRIDGING SCIENCE, INNOVATION,
AND INDUSTRY



PRISHTINA, KOSOVA
10-12 JUNE 2025



4th Workshop “NANOTECH SCIENCE MEETS INDUSTRY: Building Collaborations”

June 10, 2025

Venue: Prishtina, Kosova (as part of NANOBALKAN 2025 – Bridging Science, Innovation, and Industry)

Organized by:

NANOBALKAN (Academy of Sciences of Albania, Academy of Sciences of Kosovo), SUSNANO (University of Tirana), NANOKOS (University of Prishtina), ICN2 (Spain), CATRIN (Czech Republic)

Objectives of the Workshop:

Join us for a dynamic and immersive workshop dedicated to advancing the intersection between nanotechnology, science, and industry across the Balkan region. This workshop aims to:

- **Enhance collaboration** between academic groups working in the field of nanotechnology and national and international industry representatives.
- **Facilitate networking opportunities** to promote partnerships between scientists, NANOBALKAN research teams, and industries interested in nanotechnology research, development, and innovation.
- **Showcase cutting-edge advancements** through presentations by academic groups and selected industry representatives, highlighting significant achievements and technological breakthroughs.
- **Attract high-tech industries** from Kosova, the Balkans, and beyond, particularly those with vested interests in nanotechnology applications in sectors such as health, environment, energy, and advanced materials.
- **Forge connections** with European initiatives such as "The Chips for Europe Initiative" and other EU research and innovation programs, fostering integration into broader European nanotechnology strategies.
- **Drive innovation and economic impact** by promoting the application of nanotechnology in key sectors critical for regional development, including healthcare, agriculture, environmental protection, and smart industries.
- **Strengthen the research ecosystem** to secure further support and funding opportunities, reinforcing the role of NANOBALKAN as a leading center for nanotechnology excellence and collaboration in the region.

Program

09.00–09:30 **Registration**

09.30–09.40	Opening of the meeting: Prof. Fetah Podvorica, Coordinator of NanoAlb for Kosovo
09.40–09.45	Speech by the Coordinator of the NanoKos Project: Prof.Assoc.Armond Daci
09.45–09.50	Occasional speech by the Chairman or representative of ASHAK
09.50–09.55	Occasional speech by the President or representative of ASHSH
09.55–10:00	Case speech by UP-Management of the Faculty of Medicine Arben Merkoçi NanoAlb and the objectives of the meeting
10.00–10.20	Coordinator of NanoAlb, Academy of Sciences of Albania ICREA Professor, Catalan Institute of Nanoscience and Nanotechnology, Barcelona, Spain.
10.15–10:25	Prof.Dr.Majlinda Vasjari,
10.25-10:35	Prof.Asoc.Mimoza Basholli
10:35:10:45	<i>Prof.Dr.Fetah Podvorica NanoAlb Research Groups (FShMN)</i>
10:45–10.55	<i>Reader.Dr.Driton Vllasaliu (King's College London)</i>
10:55-11.05	<i>Prof.Dr.Fetah Podvorica NanoAlb Research Groups (FShMN)</i>
11:05-11:15	<i>Prof.Dr.Avni Berisha NanoAlb Research Groups (FShMN)</i>
11.15-11.25	<i>Prof.Dr.Bashkim Zyberi, NanoAlb Research Group Maqedoni e Veriut ()</i>
11:25-11:35	Msc. Nensi Isak <i>"Nanomaterial modification of electrochemical sensors for the assessment of antioxidants in wines"</i>
11:35-11:45	Prof.Ass.Liridon Berisha
11:45-11:55	PhD Candidate Dafina Fondaj – University of Bari
11:55-12:15	Coffe Break
12:15:12:35	Insights King'S College London NanoKos Interns in Drug Delivery: Dr.Sc.Toske Kryeziu, Ass.Mr.Ph Donjeta Spahiu, Mr.Ph Vanesa Krasniqi, Mr.Ph.Matilda Zogu, Çoçaj and Agime Rexhepi.
12.35–12:55	Insights from Graz University Interns in Drug Delivery from Mimoza Basholli recent students:
12.55–13:10	TrePharm, Pharmaceutical Manufacturer
13.10-13:25	Kosovo Medicine Agency
13:25-13:40	ICK

13:40-13:55	Venture UP
13:55-14:10	Jaha Solar, Solar Panel Manufacturer
14:10-14:25	Prof in Cosmeticology Krenar Dobroshi – Esthetica Polyclinic
14:25-14:40	Dairy Products Manufacturer
14:40-14:55	Nanodistribution, Pharmaceutical Company
14:55-15:30	Lunch
15:30-16:00	Conclusion and Meeting Closing

Ignite Projects Follow-Up Workshop

June 11, 2025 (Hybrid: in-person & online)

Organised by: NANOALKAN (Academy of Sciences of Albania, Academy of Sciences of Kosovo), SUSNANO (University of Tirana), NANOKOS (University of Prishtina), ICN2 (Spain), CATRIN(Czech Republic)

Objectives:

The objective of the workshop is to present the progress and achievements of the Ignite Projects developed by research groups at NANOALKAN Centre and financed by the Academy of Sciences of Albania.

The workshop will be focused on the implementation and results as well as the problems faced during this 6 months period of implementations of NanoAlb Ignite Projects (2024-2026). The contribution of partners in each one as well as the possibility of cooperation with other projects to maximize the benefits will be discussed.

This will be an excellent opportunity to share the latest developments in nanoscience, to network with colleagues and NanoAlb research groups.

Venue: Faculty of Medicine, University “Hasan Prishtina”, Prishtina, Kosova

Program

09.30 – 10.00 **Welcome speech**

Representative from

Academy of Science of Kosova

Academy of Science of Albania

University “Hasan Prishtina”, Kosova

Acad. Arben Merkoçi

Director of NANOALKAN, Academy of Science of Albania

ICREA Research Professor and Group Leader ICN2

11 June 2025 Prof. Dr. Kledi Xhaxhiu (session moderator)

10.00-10.30 **Assessment of the antiviral (SARS-CoV-2) and antibacterial activity of environmentally friendly, nanocoated, cement-based composite tiles and panels.**

Prof. Dr. Arjan Korpa- Project coordinator

Department of Chemistry, Faculty of Natural Sciences, University of Tirana.

10.30-11.00	Electrochemical degradation of Phenyl urea herbicides with an electrodes system modified with Graphene Oxide (GO) nanoparticles Prof. Dr. Flamur Sopaj - Project coordinator Department of Chemistry, Faculty of Natural Sciences and Mathematic, University of Pristina.
11.00-11.30	Advancing Agriculture through Nanotechnology-enabled Diagnosis and Management of Plant Pathogens Prof. Dr. Magdalena Cara - Project coordinator Agriculture University of Tirana
11.30-12.00	Genetic Insights in Nanotechnology Enhanced Amygdalin Receptor-Targeted Therapy for Breast Cancer Ass. Prof. Merita Xhetani - Project coordinator Department of Biology, Faculty of Natural Sciences, University of Tirana
12.00-12.30	Nanobiosensors for Pesticide residues in agriculture / food industries Prof. Dr. Majlinda Vasjari - Project coordinator Department of Chemistry, Faculty of Natural Sciences, University of Tirana.
12.30-13.00	ARTificial Intelligence and Simulation for Converting Nanotoxicity Data to Diagnostic Information Prof. Dr. Valbona Aliko - Project coordinator Department of Biology, Faculty of Natural Sciences, University of Tirana.
13.00 – 13.30	Coffe break
13.30 – 14.30	Discussion and Feedback Sessions
14.30 – 15.00	Conclusions and Next Steps

2d NANOBALKAN Open Days

June 12, 2025

Organised by: NANOBALKAN (Academy of Sciences of Albania, Academy of Sciences of Kosovo), SUSNANO (University of Tirana), NANOKOS (University of Prishtina), ICN2 (Spain), CATRIn (Czech Republic).

Objectives:

This is the 2nd Open Days for NanoAlb Research Groups with the objective to know labs, their facilities and do brainstorming on future collaborations based on synergies between lab infrastructures. The aim is to facilitate in-situ visits to various departments at the University of Prishtina, including:

A) Faculty of Natural Sciences

1. "Surface modification of materials with nanometric organic layers"
Group leader Prof. Fetah Podvorica
2. "Electrochemical (bio)sensors based on heterogeneous carbon materials "
Group Leader Dr. Sc. Albana Veseli
3. "Materials science - nanochemistry research group"
Group Leader Prof. Dr. Avni Berisha
4. "Electrochemical sensors and biosensors research group"
Group Leader Prof. Dr. Liridon Berisha
5. "Research group in the field of Nanophysics Outgassing and diffusion measurement"
Group Leader Prof. Dr. Sefer Avdia

B) Faculty of Medical Sciences

1. "Nanobead drug delivery systems: development and characterization"
Group Leader Prof. Dr. Mimoza Basholli
2. "Eco-nano innovators: developing green nanoparticles for medical and environmental solutions - research group"
As. Prof. Nimet Orqusha

C) Institut of Public Health, Pristina

1. "Molecular Biology Laboratory"
"Biomarkers in rare genetic diseases - research group"
Group member: Blend Jerliu