

# Our Team



**DR. DESPINA BRASNIKA** is the Founder and Managing Director of BioG3D company. She is a Chemical Engineer with PhD in Nanobiomaterials synthesis and characterization of advanced composite hybrid (ceramic-polymeric) nanomaterials. She has extensive expertise in advanced Additive Manufacturing techniques for the development of 3D printed objects with smart functionalities as well as in the development of composite filaments reinforced with various nanoparticles. She also has a scientific research background in toxicological assessments both in terms of risks related to human and the environment.

**STRATOS KROUSTIS** is a BSc Mechanical Engineer with extended expertise in advanced Additive manufacturing technologies. His current ventures focus on 3D printing of pre-defined structures by employing composite filaments as well as in component design and 3D model development, considering also environmental aspects. He received his BSc from the Piraeus University of Applied Sciences. His research interest focuses also on overview of Heating Systems with Biomass with special emphasis on the features, domestic market and research on a new heating technology.

## *Main contact in the project:*

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Additive Manufacturing of 3D Microfluidic  
MEMS for Lab-on-a-Chip applications.

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# Who we are

BioG3D is a company which specializes in 3D Printing Technologies and Toxicological Assessments of engineered materials, headquarter in the premises of Technological and Cultural Park of Lavrion in Greece.

BioG3D is equipped with advanced 3D printing systems and designing software to deliver upon request, advanced products with increased accuracy and precision. 3D printing and 3D scanning are employed to reduce production time and costs, thus making advanced manufacturing accessible to everyone. The ISO certified laboratory with high quality instrumentation, operating under Good Manufacturing Process (GMP), is an invaluable tool for bringing novel products to market since human and environmental safety are re-assured.

BioG3D aims to remove the barriers towards innovation and allow new products with advanced functionalities to gain access to the market. The ultimate goal is to boost up personalised fabrication and make “smart” materials easily accessible and widely accepted. BioG3D is intended to be an effective provider of know-how to international industrial players to generate high-value 3D printed products, thereby fostering the growth of specific branches of the market.



*BioG3D participation in EU H2020 projects*

# Our product & services



## Our services:

- ✓ Complete spectrum of 3D printing services, offering the possibility to make ideas 3D printable in a wide variety of materials compositions, colors and textures. Complex structures can be easily fabricated in a personalized cost-effective way.
- ✓ On demand fabrication of 3D printed objects in all sectors of everyday life by replicating objects through 3D scanning or by designing from scratch a 3D model. BioG3D's goal is to deliver high-value design services, product materialization and rapid prototyping services to clients everywhere to facilitate new products market entrance.
- ✓ Development of smart materials (as feedstock materials for 3D printing) incorporating specific nanoadditives to achieve improved or new functionalities in the 3D printed objects.
- ✓ Toxicological evaluations of any type of engineered material (macro-, micro- and nanoscale) in terms of human and environmental hazards and exposure assessments to identify risks imposed in industrial manufacturing processes.
- ✓ Development of hybrid materials through 3D printing for Biological applications targeting Tissue Engineering

