



Karolos Alexandros Tsakalos, MSc, PhD, Technical Lead, email: ktsakalo@ee.duth.gr

Dr. Karolos-Alexandros Tsakalos is a PhD Electrical and Computer Engineer at Democritus University of Thrace (DUTH), with extensive experience in research, innovation, and the delivery of EU-funded digital transformation initiatives. His work focuses on translating advanced research into deployable digital solutions, supporting innovation uptake and capacity building across the agri-food sector.

He currently serves as Technical Manager of the DigiAgriFood European Digital Innovation Hub (EDIH), a key initiative funded by the European Union under the Digital Europe Programme. In this role, he is responsible for the technical coordination and implementation of Hub's services, project governance, monitoring of performance indicators and deliverables, and ensuring full compliance with EU funding, reporting, and audit requirements. He also leads a multidisciplinary team of engineers, contributing to the design, deployment, and continuous improvement of EDIH services supporting SMEs, startups, and public sector organisations.

Dr. Tsakalos has authored and co-authored more than 30 scientific and technical publications in high-impact international journals and conferences (IEEE), with over 178 citations according to Google Scholar. In parallel, he has significant experience in the technical and administrative management of European and nationally co-funded research and innovation projects.

Beyond his role within DigiAgriFood, he contributes strategically to the preparation of competitive EU research proposals and to the development of digital and IT infrastructures for DUTH, within the framework of the DUTH Research and Innovation Center and the Institute of Agroecology and Digital Agriculture. His profile has a strong European and international dimension, through collaborations with academic and research organisations in the UK and the USA, including activities under the Horizon 2020 Marie Skłodowska-Curie Actions.

He is a member of the IEEE and the Technical Chamber of Greece.