

# Editorial\*

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This first volume of short paper proceedings contains a selection of 29 short papers presented at the 11<sup>th</sup> International Conference on ICT in Agriculture, Food & Environment (HAICTA 2024), that took place in Karlovasi, Samos, Greece, October 17-20, 2024.

HAICTA is the Greek Branch of the European Federation for Information Technology in Agriculture (EFITA). The series of HAICTA conferences are an international venue for research in ICT, innovations and best practices in the agri-food sector and in rural development and constitute a leading international professional and scientific forum for IT experts, agronomists, animal husbandry experts, agri-food scientists, environmentalists, water engineers, veterinarians, spatial engineers and decision-makers. These conferences constitute an interdisciplinary forum in which researchers, practitioners, and policy makers can present and discuss the results of their research, the recent policies and development on agriculture, food and environment, new technologies and ICT emerging applications.

The HAICTA 2024 conference received 118 paper submissions, out of which 106 were accepted. The main topics covered included Precision Technologies: Crop and Livestock Production; Farm and Animal Health Monitoring, Sustainable Management of Natural Resources / Ecosystem Services, Information Systems and Web Applications / Digital Farming, Decision Support Systems, Sustainability and Resilience of Rural Areas and Agri-food Systems, Environmental Design and Policy, Sustainable Crop and Livestock Production, Climate Change Modeling / Climate Vulnerability, Adaptation and Mitigation, Innovation in Farms and Rural Areas, Sustainable Food Value Chains, and more. Out of those 106 papers, 67 were short papers and 39 were abstracts; 35 papers were presented as e-posters. This volume of short papers covers 29 of them.

HAICTA 2024 was the 3<sup>rd</sup> Conference in the series to offer both in-person attendance, remote participation, and live streaming for those who couldn't attend, giving the chance for an even wider audience. Authors had the option to either present in-person at the Conference or remotely through teleconferencing. 37 papers were presented orally, while 34 through teleconferencing. The first three days of the conference were live-streamed through the official YouTube channel of HAICTA (<https://www.youtube.com/@haicta>), and they remain available online and on-demand for anyone interested.

We are grateful to all authors who submitted their papers to the conference and to all HAICTA 2024 participants. We would also like to thank the reviewers, members of the Scientific Committee, for ensuring the Proceedings quality. HAICTA 2024 used a blind review process, and each submitted abstract and short paper was evaluated by one, two or more -in some cases- reviewers, respectively, who provided their valuable comments.

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We are also grateful to the invited keynote speaker Dr. Samir Mili (CSIC Madrid, Spain), who shared his ideas and the results of their research with HAICTA community through his inspired lecture. We would also like to thank the Organizing Committee Chairs and the Conference Chairs for their support to our task.

We hope that the Short Paper Proceedings, Volume I of HAICTA 2024 will promote the discussion within the scientific community regarding the integration of innovative ideas, solutions and practices, new digital technologies and research applications towards the development of sustainable and resilient environmental and agricultural systems.