



AGROSYM

# BOOK OF ABSTRACTS



*XVI International Scientific Agriculture Symposium  
"Agrosym 2025"  
Jahorina, October 2-5, 2025*



AGRO 2025  
sym

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## PREFACE

The world is facing several crises that require policymaking grounded in scientific data and evidence to effectively address the current challenges. Disruptions in the climate, the loss of biodiversity, the degradation of natural resources (e.g. land and water), ongoing conflicts, enduring inequalities, and economic shocks are progressively weakening the ability of agri-food systems to guarantee food security and nutrition for everyone.

Research can provide evidence and technical expertise, and it can also act as a facilitator and policy broker in agri-food strategies, investment planning, innovation policies, and other relevant policy processes. Research also plays an essential role in developing the knowledge, evidence, and resources necessary for scaling responsible and inclusive innovation, while also offering support to diverse stakeholders, including farmers' organizations, businesses and civil society organisations.

Integrating research with long-term policy strategies can enhance the visibility and adoption of innovations in the agri-food sector, particularly when facilitated through inclusive platforms. However, to achieve sustainable impact at scale, cooperation in agri-food research and innovation should be boosted. Scientific gatherings and events can play a central role in this regard.

The International Agriculture Symposium AGROSYM has been an annual forum and platform for international scientific discussions on agriculture, food, rural development, environment, and forestry for sixteen years. It offers a valuable opportunity to exchange ideas, strengthen existing networks, create new academic connections, and promote dialogue among academia, public institutions, the private sector, and civil society organizations on recent global and regional trends in the agri-food sector. The multidisciplinary results presented at AGROSYM help spread knowledge and best practices to all actors in the agri-food chain (e.g. farmers, extension agents, researchers, policymakers) as well as the general public, emphasizing the importance of agriculture and food science as key areas in many national research strategies.

The present Book of Abstracts of the 16th International Scientific Agricultural Symposium "AGROSYM 2025" features around 600 contributions, reflecting a diverse array of research and insights across the full spectrum of agricultural disciplines. They cover the following themes: 1) Plant production, 2) Plant protection and food safety, 3) Organic agriculture and agroecology, 4) Environmental protection and natural resources management, 5) Animal husbandry, 6) Rural development and agro-economy, and 7) Forestry and agroforestry.

We would like to express our sincere gratitude to all the authors, reviewers, and colleagues who contributed to the preparation of this Book of Abstracts. We extend our special thanks to co-organizers, partners and sponsors for their constant support and collaboration.

We hope this multidisciplinary and international compilation of research results serves as a valuable resource for all participants and fosters ongoing dialogue and exchange to foster the transition towards sustainable, resilient and inclusive agri-food systems.

East Sarajevo, 1<sup>st</sup> October 2025

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## CYNIPS EVIDENT CONECTION WITH CLIMATE-METEOROLOGICAL EXTREME CRISES IN 2024 ON SAMPLE PLOT LEVEL I - 38 (MALI IZVOR) IN EAST SERBIA

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### Abstract

Insects gall wasps (Cynipid: Hymenoptera) are non-directly but, in a case of such a major number of species on one place are for sure incalculably valuable to man's forest management. Usually, we think of them in a negative context, gall wasps attack the most important species in forest management (*Quercus* sp.). But without them, like without any link in any food chain, neither we, nether other organisms could not be for sure in role they have. They are a fundamental part of every forest ecosystem, especially in such a number of recognised and determinate species on one locality. Some of the characteristics are the direct production of certain recognisable for every species tree deformation (galls, here) and much important the control of populations of other harmful invertebrate species (including other often insects pest). Numerous taxa of Cynipid are in the trophic connection with oaks, like many of those are in with *Quercus cerris* L. as host plant this pair connected for more than two decades ago. It is becoming so obvious and characteristically nearby Mali Izvor. Most of the galls in this group are characterized by local swellings and a greater or less deformation of the affected plant part, though the distortion is not great enough to conceal the nature of the part affected. The deformation itself varies to an extent in marked shape, sometimes both, in measure upon the degree of infestation. In 2024 meteorological-climate factors were somehow appropriate to many pest species, this was so evident, on locality.

**Key words:** *Invasive, gall, Two Decade monitored abundance, Serbia.*