

SCIENTIFIC COMMITTEE | 11th Panhellenic Conference Agrotica | Department of Agriculture A.U.TH. | <https://agro.auth.gr>

Thomas Kotsopoulos

Professor, Department of Agriculture, A.U.TH.
Chair Department
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Field of Expertise: Agricultural Structures with emphasis on Energy Design of Animal Waste Management Facilities

Research interests: Renewable Energy Sources in agricultural production, greenhouses, livestock structures & animal waste management.



Andreas Mamolos

Professor, Department of Agriculture, A.U.TH.
Vice Chair Department
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Field of Expertise: Ecology: Plant Ecology

Research interests: Ecosystem services and approaches to environmental and social sustainability. Impacts of human dominance on the evolution and conservation of biodiversity. Climate change and ecosystems. Population Ecology. The role of mycorrhizae and resource availability in plant competition. Matter recycling and energy flows in natural and Mediterranean-type agricultural ecosystems. Assessment of energy inputs, outputs, carbon and water footprint in agroecosystems.



"Seeding knowledge ...harvesting innovations: Honoring and celebrating the 100th anniversary of the School of Agriculture at Aristotle University of Thessaloniki "

<p><u>Athanasios Mavromatis</u> Professor, Department of Agriculture, A.U.TH. Scientific Committee Coordinator amavromat@agro.auth.gr</p>	<p>Field of Expertise: Cytogenetics & Plant Breeding Research interests: Evaluation of varieties and application of Breeding methodologies in cultivated species. Collection and utilization of plant genetic resources - Evaluation and improvement of endemic species and traditional local varieties. Applications of Organic Breeding schemes for developing tolerance to low inputs and abiotic stresses. Cytogenetics and Chromosome engineering, development & application of in vitro techniques for the production of haploid and aneuploid plants, clonal propagation and study of somaclonal variation, chromosome study and karyotype analysis, quantitative DNA determination and ploidy level estimation using flow cytometry.</p>	
<p><u>Zisis Vryzas</u> Associate Professor, Department of Agriculture, A.U.TH. zvryzas@agro.auth.gr</p>	<p>Field of Expertise: Agricultural Pharmacology Research interests: Assessment of risk and prioritization of agricultural chemicals, low-risk agricultural chemicals, environmental behavior of agricultural chemicals and pollution of surface and groundwater, residue monitoring of agricultural chemicals in environmental samples, food, and animal feed, ecotoxicological behavior of agricultural chemicals and their metabolites, remediation techniques for areas contaminated by agricultural chemicals.</p>	

<p><u>Ioannis Giantsis</u> Assistant Professor, Department of Agriculture, A.U.TH. igiants@agro.auth.gr</p>	<p>Field of Expertise: Molecular Genetics of Invertebrate and Vertebrate Animal Organisms</p> <p>Research interests: Animal population genetics, Molecular markers, correlation of genes and genotypes with productive traits, Aquaculture, Gene expression, Stress assessment in animal populations, Invertebrate zoology, Shellfish farming, and Genetic improvement of farm animals.</p>	
<p><u>Evaggelia Golia</u> Professor, Department of Agriculture, A.U.TH. egolia@agro.auth.gr</p>	<p>Field of Expertise: Soil Science</p> <p>Research interests: Soil science, soil chemistry, soil contamination with heavy metals (potentially toxic elements), microplastics & organic molecules, reaction kinetics, physicochemical behavior of potentially toxic elements & trace elements in soil, use of soil amendments (inorganic & organic) in soils, phytoremediation, monitoring & mapping of contamination, urban soil pollution, use of soil pollution indicators, impact of microplastics on soil health, use of indicators for assessing soil health.</p>	

<p><u>Konstantinos Koudounas</u> Assistant Professor, Department of Agriculture, A.U.TH. koudounask@agro.auth.gr</p>	<p>Field of Expertise: Biochemistry Research interests: Molecular and biochemical interpretation of plant defense mechanisms, mainly through secondary metabolism, aiming at their functional understanding and biotechnological application. Biochemistry, Molecular Biology, Plant Biotechnology, Secondary Metabolism, Functional characterization of enzymes, Biosynthetic pathways, Chemical defense, Metabolites with pharmaceutical interest.</p>	
<p><u>Alexandra-Maria Michailidou</u> Professor, Department of Agriculture, A.U.TH. amichail@agro.auth.gr</p>	<p>Field of Expertise: Food Science and Nutrition Research interests: Systematic assessment of nutritional characteristics and biofunctional properties of foods and their components. Study of dietary patterns and intakes in selected populations, aiming to correlate them with indicators of metabolic health and to develop strategies for the prevention of chronic non-communicable diseases. Evaluation of digestibility and study of physiological responses to specific components (through in vitro and in vivo digestibility protocols), using advanced analytical techniques in protein chemistry and biochemistry. Development of functional foods through the utilization of by-products from the food industry. Design of nutrition education programs aimed at promoting balanced and sustainable dietary choices.</p>	

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<p><u>Dimitrios Natos</u> Assistant Professor, Department of Agriculture, A.U.TH. dnatos@agro.auth.gr</p>	<p>Field of Expertise: Agricultural Policy Research interests: Theoretical and economic approaches to Agricultural Policy. Methods for evaluating programs and measures of Agricultural Policy. Agricultural Policy on prices, trade, and income. Common Agricultural Policy. Common market organization. Structural Policy - Rural Development Policy. Theory and policy of international trade. International trade relations and economic integration. The role of the state. World Trade Organization and International Trade Agreements.</p>	
<p><u>Stefanos Hatzilazarou</u> Associate Professor, Department of Agriculture, A.U.TH. hatzilaz@agro.auth.gr</p>	<p>Field of Expertise: Floriculture Research interests: Flowering plants. Ornamental plants for indoor and outdoor spaces. Potted plants. Tissue culture. Propagation material of floricultural plants. Supplemental lighting and LED lamps. Selection and use of Greek native plants in floriculture and landscaping.</p>	



Coordinator of Department Outreach Activities & Conference Communications

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