

Dr. Anagnostis Argiriou

Studies and Working Status

Dr. Anagnostis Argiriou is a Senior Researcher at the Institute of Applied Biosciences - Centre for Research and Technology Hellas. He got his Doctor of Biological Sciences degree cum laude in 1996 and his Ph.D. in Biochemistry and Medical Biotechnology in 2001 in Italy. From 2001 to 2003 he worked at CEINGE Biotecnologie Avanzate in Italy mainly to implement and improve human biodiagnostic protocols. In 2005 he joined the Institute of Agrobiotechnology in a Post Doctoral position and in 2006 became researcher. From 2005 he also collaborates as external scientist with the Laboratory of Lipid Research and Prevention of Cardiovascular Diseases of the 2nd Paediatric Clinic at the Aristotle University of Thessaloniki.

In his current position in the Institute of Applied Biosciences he is responsible for the Food Biotechnology Unit and he is the Head Manager of the Services Unit.

Project's experience and network

Dr. Argiriou has been coordinating or participating in EU, bilateral, and national projects (FPs, INTERREGs, etc.) and has submitted numerous proposals in various funding frameworks. He is involved and has been networking via academia and research throughout Europe, Africa, and Asia. During this period he was involved in different projects such as the genome sequencing of the plant model *Arabidopsis*, molecular diagnostics and design and construction of kits for gene therapy protocols. Dr. Argiriou during the sequencing of the plant *Arabidopsis thaliana* organized the bioinformatics facility to assemble and annotate the sequencing data at CEINGE Biotecnologie Avanzate, one of the largest Research Institutes of Italy. Actually he is implementing the bioinformatics infrastructure for the assembly, annotation and analysis from Next Generation Sequencing data at CERTH/INAB.

Academic experience and international involvement in Science

The field of prevailing scientific interests are the study of the genetic and epigenetic regulation of metabolic pathways in humans, the role of nutrition in the appearance of diseases as well as exploitation of genomic and proteomic technologies to improve plants and animal qualitative traits and nutritional characteristics and the traceability of food products.

He has different years of teaching experience in academic institutions and is the author of several scientific publications on internationally reputed journals with more than 160 impact factor and over 1000 citations. He is member of the Greek Society of Molecular Biology and Biochemistry, the Greek Society of Bioscientists, the European Atherosclerosis Society and the Greek Atherosclerosis Society of Northern Greece.

For the last five years he acts as reviewer for the following journals: PLoS ONE, Molecular Biology Reporter, Plant Molecular Biology Reporter, BMC Plant Biology, Journal of Plant Physiology, Journal of Agricultural and Food Chemistry, *Planta*, Biotechnology and Biotechnological Equipment and others.

He has organized or participated in the organization of a relevant number of Workshops and Conferences and has several invited presentations to Conferences, Symposia & Workshops, participating as keynote speaker.

Publications:

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8. G. Michailidis, A. Argiriou, A. Kalivas, Melpomeni Avdi and V. Pappa. Expression of avian β -Defensins in the chicken (*Gallus domesticus*) reproductive tract. *Archiva Zootechnica* 11:3, 33-40, 2008
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10. George Michailidis, Anagnostis Argiriou, Nikos Darzentas and Athanasios Tsaftaris.
Analysis of xyloglucan endotransglycosylase/hydrolase (XTH) genes from allotetraploid (*Gossypium hirsutum*) cotton and its diploid progenitors expressed during fiber elongation
Journal of Plant Physiology 166 (2009) 403-416
11. Georgios Michailidis, Apostolos Kalivas, Melpomeni Avdi and Anagnostis Argiriou
Expression and characterisation of the maternal factor Zygote arrest 1 (Zar1) gene in chicken tissues and embryos. *Journal of Biological Research-Thessaloniki* 11: 21 – 27, 2009

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