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 **Address:** P.O.Box 22016, Athalassa, 1516 Nicosia (Cyprus)

WORK EXPERIENCE

Chief Agricultural Research Officer

Agricultural Research Institute [01/06/2009 – Current]

City: Nicosia

Country: Cyprus

- Head, Support Division, Agricultural Research Institute.
- Applied research and related publications in the fields of climate change, unfair trading practices, production economics, marketing of agricultural products and rural development.
- ARI representative for agricultural policy, rural development, and smart specialization strategies.
- Partner in European projects relevant to climate change, research in the Mediterranean region, agricultural policy, and education in agriculture.

Senior Agricultural Research Officer

Agricultural Research Institute [01/01/2007 – 31/05/2009]

City: Nicosia

Country: Cyprus

Head Agricultural Economics Section

Agricultural Research Officer A

Agricultural Research Institute [01/10/2001 – 31/12/2006]

City: Nicosia

Country: Cyprus

Agricultural Research Officer

Agricultural Research Institute [01/06/1992 – 30/09/2001]

City: Nicosia

Country: Cyprus

EDUCATION AND TRAINING

Master in Public Sector Management (MPSM)

Cyprus International Institute of Management (CIIM). [01/01/2007 – 28/02/2008]

Address: Nicosia (Cyprus)

<https://www.ciim.ac.cy/>

PhD Agricultural Economics

Aristotle University of Thessaloniki [01/04/1998 – 30/11/2002]

Address: Thessaloniki (Greece)

<https://www.auth.gr/en/agrofor>

M.Sc. Agricultural Economics

Reading University [01/10/1995 – 31/07/1996]

Address: Reading (United Kingdom)

<http://www.reading.ac.uk/>

B.Sc. in Agriculture

Aristotle University of Thessaloniki. [01/09/1982 – 15/07/1986]

Address: Thessaloniki (Greece)

<https://www.auth.gr/en/agrofor>

Degree in Livestock Production

Alexandreio Technological Institute of Thessaloniki [01/09/1979 – 15/07/1982]

Address: Thessaloniki (Greece)

<https://www.teithe.gr/atei/>

LANGUAGE SKILLS

Mother tongue(s):

Greek

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

DIGITAL SKILLS

Microsoft Word / Microsoft Excel / Outlook / Microsoft Powerpoint / Google Drive / Google Docs / Skype / Microsoft Office / Zoom / Social Media / LinkedIn / Internet user / Twitter / Microsoft Teams / Gmail

Communication skills

Written and Verbal skills / Organizational and planning skills / Team-work oriented / Good listener and communicator / Motivated / Flexibility / Excellent writing and verbal communication skills / Empathic listener

Organisational / managerial skills

Decision-making / Strategic Planning / Reliability / Critical thinking / Conflict resolution / Detail-Oriented / Good time management / Analytical skills / Research and analytical skills / Responsibility

PROJECTS

eForesee (FP5).

[01/01/2002 – 31/12/2003]

eForesee (FP5). Promote the exchange of foresight relevant experiences among small European and accession countries, to help the coordination of national RTD and innovation efforts, support capacity building and integrate Cyprus, Malta and Estonia into the European Research Area. Completed in December 2003 with very positive comments from the European Commission.

MEDFROL (FP6). Market and Trade Policies for Mediterranean Agriculture: The case of fruit/vegetable and olive oil.

[01/04/2004 – 31/03/2007]

Provided a quantitative and qualitative insight of the agricultural sectors in the Mediterranean basin countries with analytical and up-to-date descriptive statistics, presentation of national agricultural policies and description of relevant supply chains; Compared the fruit/vegetable and olive oil sectors in these regions with EU countries producing similar products and stipulate their future course of action; Provided analytical tools for assessing the potential impacts of trade liberalisation with the EU by applying four different models; and Evaluated the consequences of trade liberalisation on the EU as a whole (consumer prices, market effects, budget burden) as well as on individual Member States and to generate appropriate policy recommendations.

ARIMNET and ARIMNET2 (ERANet). Coordination of Agricultural Research in the Mediterranean

[01/10/2008 – 31/12/2017]

Coordination action at Mediterranean level (among EU members and between them and the other Mediterranean countries) to fight against fragmentation in fostering the convergence of national programmes and in founding a new critical mass to address the key issues, to increase excellence and relevance of research, to enhance and strengthen the cooperation within the region in sharing the objectives and the priorities. (ARIMNET - 1/10/2008 to 31/3/2013 and ARIMNET2 - 1/1/2014 to 31/12/2017).

AGWATER (National Research Promotion Foundation). "Options for sustainable agricultural production and water use in Cyprus under global change"

[15/03/2012 – 30/09/2014]

ADAPT2CLIMA (Life+). "Adaptation to Climate change Impacts on the Mediterranean islands' Agriculture"

[01/10/2015 – 28/02/2020]

The overall aim of the project was to increase knowledge on the vulnerability of EU Mediterranean agriculture to climate change and to support decision making for adaptation planning. The methodology was based on the deployment of a set of climate, hydrological and crop simulation models for the assessment of climate change impacts on agriculture, as well as, on the development of a decision support tool for the elaboration of adaptation strategies for the agricultural sector.

AGRIWATER (ERASMUS+). Support on-farm water management to improve water efficiency in the agricultural landscape.

[01/10/2020 – Current]

The project aims to educate farmers, agricultural landowners, and other stakeholders in the innovative and sustainable adaptation to climate change and drought and for how to install and maintain irrigation systems on agricultural land, as one effective method of reducing the effects of drought.

AntioxCert (Greek Rural Development Programme 2014-2020).

[2021 – Current]

Aims the creation of the first group of functional foods with antioxidant properties, through the pilot application of the "ANTIOXCERT" standard developed by the GMCert Certification Body, applicable to products such as: olive oil, olives, oregano, mountain tea, garlic, cereals, raisins, chestnuts, wine and honey. Starting in 2021

ClimaMed (LIFE+).

[01/07/2018 – Current]

Aims at developing and delivering innovative, reliable, rapid and cost effective technologies of Tier 3 level for the on-site measurement of CO₂, CH₄ and N₂O emissions and Soil Organic Matter (SOC) stock changes from agricultural fields at real time. The project started on 1st July 2018 and Cyprus will become member from 2021 until the end of the project.

PUBLICATIONS

Papayiannis, Chr., Markou, M. 1998. Norm input-output data for the main crop and livestock enterprises of Cyprus

[1998]

<https://agris.fao.org/agris-search/search.do?recordID=CY1998000017>

Agricultural Economics Report 36, 248p. (English and Greek). (Book).

Papayiannis, Chr., and Markou, M. 1999. A structural and economic analysis of farming in Cyprus

[1999]

<https://agris.fao.org/agris-search/search.do?recordID=CY1999000017>

Agricultural Economics Report 38, 15p.

Markou, M. 2003. Marketing of fruits and consumer preferences in Cyprus.

[2003]

<http://news.ari.gov.cy/publications/AER42-Markou.pdf>

Agricultural Economics Report 42, 9p.

Markou, M. and Vassiliou, V. 2003. Agricultural Policy Reform in Accession Countries: The Role of Foresight.

https://www.researchgate.net/profile/Vassilis_Vassiliou/publication/257650674_Agricultural_Policy_Reform_in_Accession_Countries_The_Role_of_Foresight/links/5804b40508aefc585950ac0b/Agricultural-Policy-Reform-in-Accession-Countries-The-Role-of-Foresight.pdf

IPTS Report Vol. 79.

Markou, M., Papadavid, G. 2007. Norm input-output data for the main crop and livestock enterprises of Cyprus.

[2007]

<https://agris.fao.org/agris-search/search.do?recordID=CY2007000013>

Agricultural Economics Report 46, 267p. (English and Greek) (Book).

Markou, M. 2010. A plan to place successfully organic products in Cyprus.

[2010]

<https://www.lap-publishing.com/catalog/details/store/gb/book/978-3-8383-8299-9/a-plan-to-place-succesfully-organic-products-in-cyprus>

LAMBERT Academic Publishing (Book). ISBN 978-3-8383-8299-9. (Book).

Papadavid, G., Neocleous, D., Kountios, G., Markou, M., Michailidis, A., Ragkos, A. and Hadjimitsis, D. Using SEBAL to Investigate How Variations in Climate Impact on Crop Evapotranspiration.

[2017]

<https://doi.org/10.3390/jimaging3030030>

J. Imaging 2017, 3(3), 30;

Markou, M., Stylianou, A., Giannakopoulou, M. and Adamides, G. Identifying Business-to-Business Unfair Trading Practices in the Food Supply Chain: The case of Cyprus.

[2020]

<https://newmedit.iamb.it/2020/02/03/identifying-business-to-business-unfair-trading-practices-in-the-food-supply-chain-the-case-of-cyprus/>

NEW MEDIT. 2020.1.

Markou, M., Michailidis, A., Loizou, E., Nastis, S., Kountios, G., Lazaridou, D., Allahyari, M. S., and Konstadinos, M.

[2020]

<https://doi.org/10.3390/atmos11050536>.

Atmosphere 2020, 11(5), 536;

Exploring climate change issues related to water resources and agriculture in Cyprus, employing a Delphi type method.

Papadaskalopoulou, C., Lemesios, I., Karali, A., Konsta, A., Varotsos, K.V., Markou, M., Merante, P., Moriondo, M., Giannakopoulos, C. and Loizidou, M.

[2020]

<https://doi.org/10.3390/atmos11060608>.

Atmosphere 2020, 11(6), 608;

Assessment of climate change impacts on the agricultural sector of Cyprus.

Papadopoulou, M. P., Charchousi, D., Spanoudaki, Katerina, C., Giannakopoulos, C. and Markou, M.

[2020]

<https://doi.org/10.3390/atmos11060648>.

Atmosphere 2020, 11(6), 648;

Agricultural water vulnerability under climate change in Cyprus.

Nikolaou, G., Neocleous, D., Christophi, C., Irakleous, T. and Markou, M. Irrigation Groundwater Quality Characteristics: A Study Case of Cyprus.

[2020]

<https://doi.org/10.3390/atmos11030302>.

Atmosphere 2020, 11(3), 302

Markou, M., Moraiti, C. A., Stylianou, A. and Papadavid, G. Addressing Climate Change Impacts on Agriculture: Adaptation Measures for Six Crops in Cyprus.

[2020]

<https://doi.org/10.3390/atmos11050483>.

Atmosphere 2020, 11(5), 483;

CONFERENCES AND SEMINARS

Markou, M., Mattas, K., and Katrakilidis, K. 2000. Sectoral integration and the role of agriculture in Cypriot economy, 1960-98: a VAR approach.

[Thessaloniki, 24/11/2000 – 25/11/2000]

6th National Conference of Agricultural Economics. 24-25 November 2000. "Searching the future of Greek Agriculture". Thessaloniki. Greece. 2002. pp. 308-321

Orphanides, G. M., Della, Athena, Markou, M. 2001

[Athens, Greece., 01/12/2000 – 02/12/2000]

Preservation and management of genetic resources and biodiversity in Cyprus. Mediterranean Conference for Agricultural Research Cooperation. the Mediterranean Nutritional Model and Cooperation to Promote the International Trade of Mediterranean Agricultural Products. 1-2 December, 2000 pp 299-309.

Papachristoforou, C., Markou, M. 2006. Overview of the economic and social importance of the livestock sector in Cyprus with particular reference to sheep and goats

[2006 – 2006]

Small Ruminant Research 62:193-199. <https://doi.org/10.1016/j.smallrumres.2005.08.014>

Markou, M. and Kavazis, A. 2006. Agricultural Situation Report of Cyprus and the Market and Trade Policies for Fruit / Vegetable and Olive Oil.

[Chania, Crete, 29/06/2006 – 02/07/2006]

98th EAAE Seminar. Chania, Crete. 29 June - 2 July 2006.

Natos, D., Mattas, K., Markou, M. and Stylianou, A. Estimating the Effect of Cyprus Geographical Position on International Agricultural Trade

[Thessaloniki, Greece, 23/11/2012 – 24/11/2012]

12th ETAGRO Congress. 23-24 November 2012.

Bruggeman, A., Camera, C., Hadjinicolaou, P., Lange, M.A., Zomenia, Z., Zissimos, A., Pashiardis, S., Tymvios, F., Markou, M., Fasoula, D., Gregoriou, S., Stylianou, A., Zachariadis, T., Zoumides, C. and Noller, J.S.

[Nicosia, Cyprus, 27/03/2014 – 28/03/2014]

Sustainable agricultural production and water use in Cyprus under global change. International Conference ADAPTtoCLIMATE. Filoxenia Conference Centre. Nicosia, Cyprus. 27 – 28 March 2014.

Giannakopoulos, Ch., Karali, A., Lemesios, G., Loizidou, M., Papadaskalopoulou, Ch., Moustakas, K., Papadopoulos, M., Moriondo, M., Markou, M., Hatziyanni, E. and Pasotti, L.

[2016 – 2016]

Adaptation to Climate change Impacts on the Mediterranean islands' Agriculture (ADAPT2CLIMA). Conference Paper. Conference: EGU General Assembly 2016. Volume: Geophysical Research Abstracts Vol. 18.

Papadaskalopoulou, C., Karali, A., Lemesios, G., Konsta, A., Charchousi, D., Varotsos, K.V., Markou, M., Merante, P., Moriondo, M., Papadopoulos, M., Giannakopoulos, C. and Loizidou, M.

[Heraklion, Crete, Greece, 24/06/2019 – 25/06/2019]

Adapt2clima tool: A decision support tool for supporting adaptation planning in agriculture. 2nd International Conference ADAPTtoCLIMATE. 24-25 June 2019.

Markou, M., Stylianou, A., Papadavid, G., Moraiti A. C., Giannakopoulos C., Lemesios, G. and Papadaskalopoulou, C.

[Thessaloniki, Greece. , 12/02/2020 – 14/02/2020]

National Adaptation Strategy of Cyprus Agriculture to Climate Change. OpenEARTH Conference on Climate Change Adaptation and Mitigation. 12, 13 and 14 February 2020.

NETWORKS AND MEMBERSHIPS

Greek Association of Agricultural Economics

[Greece, 2002 – Current]

European Association of Agricultural Economists

[The Netherlands, 2006 – Current]

Liaison Officer

International Association of Agricultural Economists

[Toronto, ON, 2016 – Current]

National Focal Point for Plant Genetic Resources for Food and Agriculture (FAO)

[Rome, 2013 – Current]

Cyprus Human Resource Management Association

[Nicosia, 2019 – Current]

Evaluator of undergraduate and post-graduate research proposals

[Athens, 2017 – Current]

Hellenic Programme for Human Resources Development, Education and Lifelong Learning, Greece.

Reviewer MDPI

[Switzerland, 01/01/2020 – Current]