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Education

1996. Degree in Agricultural Science, Agricultural University of Athens, Faculty of Crop Science.

2001. MSc in Horticulture, Agricultural University of Athens, Faculty of Crop Science.

2006. PhD, Agricultural University of Athens, Faculty of Crop Science.

PhD Thesis: 'Investigation of the mode of action of plant growth regulators on the physiological ageing of potato tubers derived from botanical seed (TPS)'.

Postdoctoral Research

2008-2009. Postdoctoral Research Fellow, Agricultural University of Athens, Faculty of Crop Science.

'The effect of postharvest treatment with chemical substances on the duration of dormancy and the quality of potato tubers (*Solanum tuberosum* L.)'.

Honors - Awards

- Scholarship from the State Scholarship Foundation of Greece as a postgraduate student (1999-2001).
- Scholarship from the State Scholarship Foundation of Greece as a Ph.D. student (2002-2006).
- Scholarship from the State Scholarship Foundation of Greece as a postdoctoral researcher (2008-2009).

Foreign Languages – Computer Skills

- English
- Microsoft Office (*Word, Excel, PowerPoint, Internet*), statistical programs (*Microcal Origin, CoStat, StatGraphics, JMP*), photo editing programs (*Paint Shop Pro, Adobe PhotoShop, Image-Pro Plus*).

Professional Experience

- Agronomist (Ministry of Rural Development and Foods, Prefecture of Messinia).
- Agronomist (self employed).

Teaching Experience

- Lecturer (Scientific-Laboratory Contributor), Technological Educational Institute of Kalamata, School of Agricultural Technology (Sept. 2001 – June 2010).
- Assistant Professor (Agronomy - Field Crops), Technological Educational Institute of Peloponnese, Department of Crop Production (June 2010 – today).

Research Interests

- Physiology and technology of plant propagating material (potatoes, field crops, medicinal-aromatic plants, vegetables)
- Applied physiology – cultivation technique of field crops and vegetables
- Post-harvest physiology and technology of vegetables, field crops and potatoes
- Physiology, propagation and cultivation of aromatic, native and tropical plants with medicinal properties
- Production of plant propagating material and cultivation of plants in aeroponic and hydroponic cultivation systems.

Scientific Projects

1. 'Intensive Production of Potato Seed Tuber'. The project was funded by the Cyprus Foundation of Research Propulsion.

2. 'Investigation of the ecosystem of the threatened with disappearance, due to human actions, spontaneous plant of sandy coastlines *Pancreatium maritimum* (Amaryllidaceae), and the development of a protocol for the preservation of genetic material with tissue culture and conventional methods' (Research project 'Archimedes II'). The project was co-funded by the European Union – European Social Fund and National Resources – EPEAEK II.
3. 'Intelligent system for the management of greenhouse cultivations with the use of internet' (Research project 'Pythagoras II'). The project was co-funded by the European Union – European Social Fund and National Resources – EPEAEK II.
4. 'Integrated management of vegetation at archaeological sites to protect monuments and enhance the historical landscape' (Research project 'Thalis'). The project is co-funded by the European Union – European Social Fund and National Resources.
5. 'The effect of biological fertilization on the cultivation of potato and the qualitative and technological characteristics of potato tubers before and after frying- identification of biotechnological markers-acrylamide study' (Research project 'Archimedes III'). The project is co-funded by the European Union – European Social Fund and National Resources.
6. 'Investigation of the effect of new technology fertilizers and fertilization techniques on growth, yield and quality of potatoes grown during winter-spring in the Region of Messinia'. Cooperation-finance: Compo Hellas S.A.
7. 'Study of the effect of the pesticide Cabrio Duo 4/7.2 EC on the production of potatoes grown during winter-spring in the Region of Messinia'. Cooperation-finance: BASF Hellas S.A.

Cooperation

1. Laboratory of Vegetable Production, Faculty of Crop Science, Agricultural University of Athens.
2. Aivalakis George, Associate Professor, Laboratory of Plant Physiology and Morphology, Faculty of Crop Science, Agricultural University of Athens.

Publications

Chapter in books: 3

International Journals: 20

National Journals: 10

International Conferences: 6

National Conferences: 39

Selected Publications

Chapter in books

1. Ολύμπιος Χ., Ακουμιανάκης Κ., **Αλεξόπουλος Α.**, Γρηγορίου Σ. (2009). Λήθαργος των κονδύλων της πατάτας. Στο: *Εντατική Παραγωγή Πατατόσπορου*. J.G. Cassoulides and Son Ltd, σελ. 73-107. (ISBN 978-9963-1-6008-2).
2. Passam H.C., **Alexopoulos A.A.** (2011). Physiology of dormancy. In: *The Science of Horticulture - Vol. 2*, K.V. Peter (Ed.). New India Publishing Agency, New Delhi (India), pp. 89-117. (ISBN: 9789380235486).
3. Passam H.C., Karapanos I.C., **Alexopoulos A.A.** (2011). The biological basis of fruit quality. In: *Breeding for Fruit Quality*, M.A. Jenks, P.J. Bebeli (Eds). John Wiley & Sons, Inc., pp. 5-38. (Print ISBN: 9780813810720, Online ISBN: 9780470959350).

International Journals

1. **Alexopoulos A.A.**, Akoumianakis K.A. and Passam H.C. (2003). The storage of globe artichokes under modified atmospheres. *Journal of Food, Agriculture & Environment – JFAE* **1(2)**: 130-133.
2. **Alexopoulos A.A.**, Akoumianakis K.A. and Passam H.C. (2006). The effect of the time and mode of application of gibberellic acid on the growth and yield of potato plants derived from true potato seed. *Journal of the Science of Food and Agriculture* **86**: 2189-2195.
3. **Alexopoulos A.A.**, Akoumianakis K.A. and Passam H.C. (2006). Effect of plant growth regulators on the tuberisation and physiological age of potato (*Solanum tuberosum* L.) tubers grown from true potato seed. *Canadian Journal of Plant Science* **86**: 1217-1225.
4. **Alexopoulos A.A.**, Kondylis A. and Passam H.C. (2007). Fruit yield and quality of watermelon in relation to grafting. *Journal of Food, Agriculture & Environment – JFAE* **5(1)**: 178-179.

5. **Alexopoulos A.A.**, Akoumianakis K.A., Olympios C.M. and Passam H.C. (2007). The effect of the time and mode of application of gibberellic acid and inhibitors of gibberellin biosynthesis on the dormancy of potato tubers grown from true potato seed. *Journal of the Science of Food and Agriculture* **87**: 1973-1979.
6. **Alexopoulos A.A.**, Aivalakis G., Akoumianakis K.A. and Passam H.C. (2007). The effect of foliar applications of gibberellic acid and daminozide on plant growth, tuberisation and carbohydrate accumulation within tubers grown from true potato seed (TPS). *The Journal of Horticultural Science & Biotechnology* **82**: 535-540.
7. **Alexopoulos A.A.**, Akoumianakis K.A., Vemmos S.N. and Passam H.C. (2007). The effect of post-harvest application of gibberellic acid and benzyl adenine on the duration of dormancy of potatoes produced by plants grown from TPS. *Postharvest Biology and Technology* **46**:54-62.
8. **Alexopoulos A.A.**, Aivalakis G., Akoumianakis K.A. and Passam H.C. (2008). Effect of gibberellic acid on the duration of dormancy of potato tubers produced by plants derived from true potato seed. *Postharvest Biology and Technology* **49**: 424-430.
9. Akoumianakis K.A., Aivalakis G., **Alexopoulos A.A.**, Karapanos I.C., Skarmoutsos K. and Passam H.C. (2008). Bromoethane induced changes in respiration rate, ethylene synthesis and enzyme activity of potato tubers in relation to dormancy breakage. *The Journal of Horticultural Science & Biotechnology* **83**: 441-446.
10. Nikopoulos D. and **Alexopoulos A.A.** (2008). *In vitro* propagation of an endangered medicinal plant: *Pancreatium maritimum* L. *Journal of Food, Agriculture & Environment – JFAE* **6(2)**: 393-298.
11. Nikopoulos D., Nikopoulou D. and **Alexopoulos A.A.** (2008). Methods for the preservation of genetic material of *Pancreatium maritimum* (Amaryllidaceae). *Journal of Food, Agriculture & Environment – JFAE* **6(3&4)**: 538-546.
12. **Alexopoulos A.A.**, Aivalakis G., Akoumianakis K.A. and Passam H.C. (2009). Bromoethane induces dormancy breakage and metabolic changes in tubers derived from true potato seed. *Postharvest Biology and Technology* **54**: 165-171.
13. Akoumianakis K.A., Karapanos I.C., Giakoumaki M., **Alexopoulos A.A.** and Passam H.C. (2011). Nitrogen, season and cultivar affect radish growth, yield, sponginess and hollowness. *International Journal of Plant Production* **5**: 111-120.
14. Kyriakopoulou O.G., Karapanos I. C., Tsikritsakis G., Tsermoulas S., **Alexopoulos A.A.** and Passam H.C. (2012). Effect of shading on the development and yield of two okra (*Hibiscus esculentus* L.) cultivars grown under high temperatures. *ISHS Acta Horticulturae* **936**: 155-159.
15. Karapanos I.C., **Alexopoulos A.A.**, Akoumianakis K.A., Grigoriou F., Miliordos D., Rigakis K., Skandalou I. and Passam H.C. (2013). Application of β -naphthoxyacetic acid (β -NOA) improves fruit yield and marketable quality in out-of-season cherry tomatoes (*Solanum lycopersicum* L. var. *cerasiforme* (Dunal) D.M. Spooner, G.J. Anderson and R.K. Jansen) cultivates in unheated greenhouses in the Mediterranean Basin. *The Journal of Horticultural Science & Biotechnology* **88**: 165-172.
16. Thanopoulos C., Petropoulos S.A., **Alexopoulos A.A.**, Karapanos I.C., Khah E.M., Akoumianakis K.A. and Passam H.C. (2013). A Comparison of the effectiveness of chlormequat chloride (CCC) application and terminal apex excision to restrict plant height in okra (*Abelmoschus esculentus* [L.] Moench.) and optimize yield. *Journal of Agricultural Science* **5(9)**: 44-50.
17. Kouvelas A.V., Aggelis G., **Alexopoulos A.A.** and Angelopoulos K.C. (2014). Nitrogen dynamics during growth of sweet sorghum [*Sorghum bicolor* (L.) Moench] in response to conventional and organic soil fertility management. *Australian Journal of Crop Science* **8(5)**: 730-737.
18. Karapanos I.C., Chandra M., Akoumianakis K.A., Passam H.C. and **Alexopoulos A.A.** (2014). The ripening and quality characteristics of cherry tomato fruits in relation to the time of harvest. *ISHS Acta Horticulturae* **1079**: 495-500.
19. **Alexopoulos A.A.**, Karapanos I.C., Akoumianakis K.A. and Passam H.C. (2014). Effect of post-harvest application of plant growth regulators on the storage life of tubers grown from true potato seed (TPS). *ISHS Acta Horticulturae* **1079**: 627-631.
20. Benkeblia N., **Alexopoulos A.A.** and Passam H.C. (2008). Physiological and biochemical regulation of dormancy and sprouting in potato tubers (*Solanum tuberosum* L.). *Fruit, Vegetable and Cereal Science and Biotechnology* **vol. 2 Special Issue 1 2008 (2008: International Year of the Potato)**: 55-68.

International Conferences

1. Nikopoulos D., Nikopoulou D., Papadopoulou K., **Alexopoulos A.** (2006). *Pancreatium maritimum* ecosystems in Greece. *International Conference: Sustainable Management and Development of Mountainous and Island Areas, Naxos, Greece, September 29, 30 and October 1, 2006. Proceedings of the Conference vol A*: 333-340.
2. Papadopoulou K., Nikopoulou D., Nikopoulos D., **Alexopoulos A.** (2008). Arbuscular mycorrhizae from *Pancreatium maritimum* in three ecosystems in South Peloponnese (abstract). *Mycorrhiza application in sustainable agriculture and natural systems - Cost 870 meeting in working group 2 and 4. Thessaloniki Greece, September 17-19, 2008. Proceedings of the meeting* p. 98.
3. Varzakas T., **Alexopoulos A.**, Manolopoulou E. (2013). The effect of organic fertilization on the qualitative characteristics of three varieties of potato tubers before and after frying with olive oil and soybean oil. Poster presentation. *International conference on Food and Biosystems Engineering, Skiathos 30 May-2 June. Organised by TEI Larissa, Greece. Vol. 1 Preliminary Proceedings of FABE2013 Intl. Conference*: 454-464.
4. Salonikioti A., Petropoulos S., Antoniadis V., Levizou E., **Alexopoulos A.** (2015). Wild edible species with phytoremediation properties. *Agriculture and Climate Change - Adapting Crops to Increased Uncertainty (AGRI 2015), Amsterdam, The Netherlands, 15-17 February 2015. Procedia Environmental Sciences 29*: 98-99.
5. Karanisa T., Akoumianakis K., **Alexopoulos A.**, Karapanos I. (2015). Effect of postharvest application of carvone on potato tubers grown from true potato seed (TPS). *Agriculture and Climate Change - Adapting Crops to Increased Uncertainty (AGRI 2015), Amsterdam, The Netherlands, 15-17 February 2015. Procedia Environmental Sciences 29*: 166-167.
6. Paschalidis Ch., **Alexopoulos A.**, Kavvadias V., Chouliaras I., Koriki A., Sotiropoulos S., Ioannou Z. (2015). Effect of nitrogen fertilization and different soil moisture levels on growth and yield of broccoli (*Brassica oleracea* var. italica). *International Conference: Soil and Agrotechnology in a Changing World, Sofia, Bulgaria, 11-15 May 2015. Proceedings of the Conference*.

Membership in Scientific Societies

- Hellenic Society of Horticultural Science (H.S.H.S.)
- Hellenic Scientific Society for Genetics and Plant Breeding (H.S.S.G.P.B.)
- International Society for Horticultural Science (I.S.H.S.)
- Geotechnical Chamber of Greece (G.C.G.)