

## PANAGIOTIS DALIAS

### AGRICULTURAL RESEARCH OFFICER A

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#### EDUCATION AND TRAINING

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- Ph.D. in Ecology - University of Exeter (U.K.) (1992 – 1997).
- Experimental part of the Ph.D. - Centre National de la Recherche Scientifique (CNRS): Centre d'Ecologie Fonctionnelle et Evolutive (CEFE) - Montpellier. (1993 – 1996).
- M.Sc. in Ecology University of Aberdeen (U.K.) (1990 – 1991).
- Ptychio of Biology - University of Athens - Department of Biology (1985 – 1990).

#### RESEARCH INTERESTS

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- Decomposition processes of litter and soil organic matter
- Dynamics of mineralization of soil carbon and nitrogen
- Utilization of organic materials (manure, compost, sewage sludge) for soil fertility improvement

#### ADDITIONAL INFORMATION

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##### Publications

- Dalias, P., Anderson, J.M., Bottner, P. and Coûteaux, M-M. (2001). Temperature responses of carbon mineralisation in conifer forest soils from different regional climates incubated under standard laboratory conditions, *Global Change Biology* 7, 181-192.
- Dalias, P., Anderson, J.M., Bottner, P. and Coûteaux, M-M. (2001). Long-term effects of temperature on carbon mineralisation processes, *Soil Biology and Biochemistry* 33, 1049-1057.
- Dalias, P., Anderson, J.M., Bottner, P. and Coûteaux, M-M. (2002). Temperature response of net nitrogen mineralisation and nitrification rates in conifer forest soils incubated under standard laboratory conditions. *Soil Biology and Biochemistry* 34, 691-701.
- Dalias, P., Kokkoris G.D. and Troumbis, A.Y. (2003). Functional shift hypothesis and the relationship between temperature and soil carbon accumulation. *Biology and Fertility of Soils* 37, 90-95.
- Dalias, P., Mprezetou I. and Troumbis, A.Y. (2003). Use of a modified litterbag for the study of litter mixtures. *European Journal of Soil Biology* 39, 57-64.
- Hyvönen, R., Ågren, G.I. and Dalias P. (2005). Analysing temperature response of decomposition of organic matter. *Global Change Biology* 11, 770-778.

- Petsikos, C., Dalias, P. and Troumbis, A.Y. (2007). Effects of *Oxalis pes-caprae* L. invasion in olive groves. *Agriculture, Ecosystems and Environment* 120, 325–329.
- Antoniadis, V., Tsadilas, C.D. and Dalias, P. (2010). Evaluation of sewage sludge as a soil amendment in relation to nitrate leaching. *Agrochimica* 54, 91-102.
- Dalias, P. (2012). Increased Yield Surplus of Vetch-Wheat Rotations under Drought in a Mediterranean Environment. *The ScientificWorld Journal*, art. no. 658518.
- Omirou M., Dalias P., Costa C., Papastefanou C., Dados A., Ehaliotis C. and Karpouzas D. (2012). Exploring the potential of biobeds for the depuration of pesticide-contaminated wastewaters from the citrus production chain: laboratory, column and field studies. *Environmental Pollution* 166, 31-39.
- Dalias, P. (2013). Discrepancy in fertilizer N equivalency estimates of dry sewage sludge application in soil. *Communications in Soil Science and Plant Analysis* 44, 1106-1115.

#### Book Chapter

- Hulme P.E., Brundu G., Camarda I., Dalias P., Lambdon P., Lloret F., Médail F., Moragues E., Suehs C.M., Traveset A., Troumbis A. & Vilà M., 2007. Assessing the risks to Mediterranean islands ecosystems from alien plant introductions. In: Tokarska-Guzik B., Brock J.H., Brundu G., Child L., Daehler C.C. & Pysek P. (eds.). *Plant invasions: Human perception, ecological impacts and management*. Backhuys Publishers, Leiden, pp. 39-56.

#### Participation in Research Projects

- VAMOS - Variation de la Matière Organique des Sols. Consortium of European Universities and Research Institutes - Scientific Coordinator: M-M. Coûteaux, CEFE - CNRS. Funded by EU DGXII, 1993-1996.
- EPIDEMIE - Exotic Plant Invasions: Deleterious Effects on Mediterranean Island Ecosystems, Consortium of European Universities - Scientific coordinators: P. Hulme, A.I. Troumbis. Funded by EU DGXII, 2000-2004.
- MEACAP - Impact of Environmental Agreements on the Common Agricultural Policy. Specific Targeted Research Project of the Sixth Research Framework Programme of the EU on Sustainable Development, Global Change and Ecosystems, 2004 - 2006.
- SOIL FERTILITY IMPROVEMENT - Comparative study of the soil improvement potential of some agricultural practices and agricultural systems. Funded by the Institute of Agricultural Research, Cyprus, 2006 – today.
- BIOBEDS - Evaluation of biobeds for the decontamination of wastewaters of agricultural origin. Funded by the programme DESMI 2008 of Research Promotion Foundation of Cyprus, 2009-2011.
- «Determination of energy crops potential in Cyprus». Funded by the programme DESMI 2008 of Research Promotion Foundation of Cyprus, 2009-2011.
- MED-AGROCHEPACK - Design of a common agrochemical plastic packaging waste management scheme to protect natural resources in synergy with agricultural plastic waste valorization. MED European program for territorial Cooperation co-funded by the European commission, June 2010 – May 2013.