

Kostas Andreou

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Date of Birth: 17 May 1978

Nationality: Cypriot

Current position:

- **Cyprus University of Technology, Faculty of Agricultural Sciences and Environmental Management, Department of Environmental Science and Technology.** 09/2009-Now

Special Teaching Staff. Responsible for the Soil Science Laboratory. Teaching modules at undergraduate and postgraduate level (Modules: Soil Science, Environmental Impact Assessment and Risk Assessment, Ecotoxicology, Environmental Monitoring)

Past Employment:

- **Cyprus University of Technology, Faculty of Agricultural Sciences and Environmental Management, Department of Environmental Management** 09/2008-08/2009

Postdoctoral Fellow in the Soil Science Laboratory.

- **Atlantis Consulting Cyprus Ltd** 10/2007-06/2010

Environmental Consultant. Preparation of Environmental Impact Assessments, waste disposal inventories and other matters related to environmental licensing. Responsible for the deployment of a REACH service dealing with the compliance of Cypriot industry with the EU REACH (Registration, Evaluation, Authorisation of CHEMicals) directive. Responsible for Rural development funding programs within the firm. Preparation of tender and research proposals.

- **Lancaster Environment Centre, Department of Environmental Science, Lancaster University.** 10/2005-05/2007

Teaching and Laboratory assistant

Education:

- **PhD in Environmental Science. Lancaster Environment Centre, Lancaster University, Lancaster, UK.** 2004-2008

Thesis title: "Assessment and significance of the availability of pesticide non-extractable residues in soil". Funded by Department for Environment, Food and Rural Affairs (DEFRA, UK).

- **Master of Science (Msc) in Environmental Science. Lancaster Environment Centre, Lancaster University, Lancaster, UK.** 2003-2004

Thesis title: Comparison of Extraction Techniques to Determine the Availability of the herbicide Isoproturon in Soils.

- **Bachelor's degree (5 year duration) in Agricultural Sciences. Major in Plant Protection. Aristotle University of Thessaloniki, Greece.** 1998-2003

Member of Scientific Advisory Committees:

Environmental Chemicals Agency. Member of the Risk Assessment Committee. 09/2016-
Nominated by the Republic of Cyprus (Environmental Expert) 09/2019

Publications:

1. K. Themistocleous, G. Papadavid, M. Christoforou, A. Agapiou, **K. Andreou**, D. Tsaltas, D. G. Hadjimitsis., Use of remote sensing and UAV for the management of degraded ecosystems: the case study of overgrazing in Randi Forest, Cyprus. Second International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2014); 08/2014 Published, 2014
2. Fenlon, K.A., **Andreou, K.**, Jones, K.C., Semple, K.T., The extractability and mineralisation of cypermethrin aged in four UK soils. Chemosphere 82, 187-192. Published, 2011
3. Fenlon, K.A., **Andreou, K.**, Jones, K.C., Semple, K.T., The formation of bound residues of diazinon in four UK soils: Implications for risk assessment. Environmental Pollution 159, 776-781. Published, 2010
4. **Andreou K**, Jones K, Semple K. Occurrence of pesticide non-extractable residues in physical and chemical fractions from two natural soils. Geophysical Research Abstracts 11: 2009–6221. Published, 2009

Conference Attendance:

- Occurrence of non extractable pesticide residues in physical and chemical fractions from two natural soils. (Accepted for Oral presentation). SETAC-UK Annual meeting, Norwich. 2007
- Distribution of aged pesticide residues in physical and chemical fractions of two previously organically managed soils. SETAC Europe Annual meeting, Porto, Portugal. 2007
- Cyclodextrins as tool for assessing biological availability of pesticides to soil biota. Postgraduate research day, Syngenta, Jealott's Hill, UK. 2006
- The fate and behaviour of Isoproturon, Cypermethrin and Diazinon in four soils. Award for best poster presentation. SETAC-UK Annual meeting. 2005

Participation in Research Projects/COST Actions:

COST Actions

- COST Action Participation: Drylands facing change: Interdisciplinary Research on climate change, food insecurity and political stability. Member of the drafting team. 11/2017- 11/2021
- COST Action Participation: ES1406 Soil fauna - Key to Soil Organic Matter Dynamics and Modelling (KEYSOM), member nominated by Cyprus. 03/2015 03/2019

Research Projects

- Biogas and digestate with controlled ammonia content by a virtuous biowaste cycle with integrated bio&chemical processes. LIFE16 ENV/IT/000179, 2,633,247 Euro 07/2017-06/2020
- Sustainable management of livestock waste for the removal/recovery of nutrients LIFE+ Environment Policy and Governance, LIFE12 ENV/CY/000544, 2,147,182 Euros 2013-2016

- Catastrophic shifts in drylands: how can we prevent ecosystem degradation? FP7 - 2012-2017
ENV.2011.2.1.4-2 - Behaviour of ecosystems, thresholds and tipping points, EU
Agreement: 283068, 7.716 M€,
- “Demonstration of an integrated waste-to-energy system for energy generation 2010-2012
from biodegradable organic waste and wastewater”, LIFE+ Environment Policy and
Governance, LIFE08 ENV/CY/000457, 1,472,000 Euros.
- Phytoremediation of heavy metal contaminated soils in Cyprus, EUREKA, 4012 2008-2009
PHYTOREMCY, 310.000 Euros (2007-2010). Atlantis Consulting Cyprus Limited.

Continuous training /Seminars:

- Participation in a five day course titled “The future of environmental and human 29-3/07/2015
health exposure modelling of chemicals”, organised by 4Fun Project, FP7 EU project.
- Participation in a three day winter school organised by SETAC Europe titled: The 4-6/01/2012
synthesis, characterisation, ecotoxicity, hazard and risk assessment of engineered
nanoparticles.
- Five day training in Solid State Nuclear Magnetic Resonance (NMR) and Fourier 25-29/05/2009
Transform Infrared Spectroscopy (FTIR). Institute of Chemistry and Dynamics of the
Geosphere (ICG), Agrosphere (ICG-4), Forschungszentrum Jülich, Germany. Funded by
Erasmus Programme.
- Investigation into the effect of the earthworm activity on the fate of non extractable 23/04/2009-
atrazine residues in soil. Institute of Chemistry and Dynamics of the Geosphere (ICG), 08/05/2009
Agrosphere (ICG-4), Forschungszentrum Jülich, Germany.
- Training on the operation of LC/MS facility. Thermo Electron European Training 02/2006
Institute. Lancaster University, Lancaster, UK.

Research Interests:

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| <ul style="list-style-type: none"> ▪ Soil quality and protection ▪ Terrestrial ecotoxicology ▪ Fate and behaviour of chemicals in the environment ▪ Composting technologies | <ul style="list-style-type: none"> ▪ Contaminated land/Remediation technologies ▪ Environmental Impact Assessment ▪ Environmental Risk Assessment ▪ Environmental monitoring ▪ Chemicals Management/ REACH EU Directive |
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Skills:

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| <ul style="list-style-type: none"> ▪ Research project management and data analysis ▪ Highly committed to achieving results ▪ Ability to work independently ▪ <i>Communication skills:</i>
Language: Greek (Native language) | <ul style="list-style-type: none"> ▪ Report writing and presentation skills ▪ Strong administrative skills ▪ Team work and leadership skills <p>English (Fluently)</p> |
| <ul style="list-style-type: none"> ▪ <i>Computer skills:</i>
Proficient in Microsoft office 2010, MS Outlook 2010, Internet, SPSS statistical software package v. 14.0, Origin v. 7.5, various graph plotting packages including Sigmaplot v. 10.0 and Graphpad v. 4.0 | |