

VALENTINI AGATHI PAPPA, PhD
Texas A&M Energy Institute
Frederick E. Giesecke Engineering Research Building
1617 Research Pkwy
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USA
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CURRENT POSITION

2017-Current **Texas A&M University**

Adjunct Assistant Professor of the Biological and Agricultural Engineering Department

Responsibilities

- On going research collaboration with Professor Mohtar for the Water-Energy-Food Nexus
- Writing reports and papers within the Water Energy Food Nexus group
- Servicing the departmental committee and the graduate student committee
- Attendance of meetings and seminars

2016-Current **Texas A&M University Energy Institute**

Academic Program Coordinator of the Certificate and the Master of Science in Energy

Manager: Professor Eustratios Pistikopoulos

Responsibilities

- Coordinating admissions and operations of the Master of Science in Energy degree program and the Certificate of Energy program
- Handling various administrative and educational tasks associated with the programs: developing admissions process; assisting in advertising, recruiting, and evaluating applicants; composing/sending acceptance letters; coordinating with the several Texas A&M University offices.
- Coordinating the in-residence and distance learning options for both programs; planning and implementing events and activities to facilitate program goals.
- Developing, maintaining and distributing handbooks for the programs that will be used by the instructors, the academic coordinator, the Director and the Associate Directors.
- Collaborate with instructors in lesson module preparation and teaching, especially modules such as Biofuels, CO₂ Sequestration and Water-Energy Food Nexus.
- Delivering training on avoiding plagiarism, fair use of copyrighted material, writing thesis and use of statistical software.
- Preparing program statistics, records, databases and communications.
- Assisting with program reviews, presentations and evaluations.
- Assisting in preparing and monitoring budgets for programs and events

EDUCATION

2005-2009 Ph.D., School of Geoscience, The University of Edinburgh, UK
'Nitrogen and carbon flows in an intercropped arable farming rotation.'

2004-2005 M.Sc. by Research, School of Geoscience, The University of Edinburgh, UK
'Nitrogen supply in low input agricultural systems.'

1999-2003 B.S (4 years), H.T.E.I. of Epirus, Faculty of Agriculture, Greece
'Use of horticultural plants to increase the biodiversity in organic potato fields.'

RESEARCH EXPERIENCE

- 2014-2015 **Agricultural University of Athens, Greece**
 Researcher
 Manager: Professor Dimitrios Savvas
 Enhancing of legumes growing in Europe through sustainable cropping for protein supply for food and feed
Responsibilities
- *Responsible for two sub-work packages at EUROLEGUME FP7 project*
 - *Writing required reports*
 - *Organising assigned research work*
 - *Supervise an MSc student*
- 2013-2014 **Scotland's Rural College (SRUC), UK**
 Researcher
 Manager: Professor Robert M. Rees
 FP7-EU: Legume-supported cropping systems for Europe
<http://www.legumefutures.de>
- Responsibilities*
- *Evaluation of collected data of the FP7-Legume Futures project*
 - *Publication of scientific articles and book chapters*
- 2012-2013 **Zurich University of Applied Sciences (ZHAW), Switzerland**
 Research Associate
 Manager: Professor Ranka Junge
 Urban Farmers
- Responsibilities*
- *Work package leader on the aquaponics research part and direct transfer to the industrial partner (Urban Farmers 001-Basel)*
 - *Financially and management responsibilities*
 - *Supervision of five undergraduate students*
- 2009-2012 **SRUC, UK**
 Postdoctoral Research Associate
 Manager: Professor Robert M. Rees
 FP7-EU: Legume-supported cropping systems for Europe
 MIN-NO: Minimizing Nitrous Oxide Emissions from Arable Farms
- Responsibilities*
- *Main investigator on measurements and investigation of greenhouse gas emissions (mainly nitrous oxide) from arable soils to minimize the GHG intensities*
 - *Site investigator for the FP7-EU Legumes Future project for SRUC on greenhouse gas emissions and environmental effects of the use of legumes*
 - *Main investigator for the greenhouse gases in other European countries (Romania, Greece, France, Spain, Finland, Ireland and Italy)*
 - *Collaboration with the UK-Biochar group on an Interreg funded project*
 - *Collaboration with the University of Edinburgh on using sensor measurements to link climatic conditions with GHG*
- 2005-2010 **SRUC/ The University of Edinburgh, UK**
 Ph.D research
 Advisor: Professor Robert M. Rees
 Thesis topic: 'Nitrogen flows in an intercropped arable farming rotation.'
- 2004-2005 **SRUC/ The University of Edinburgh, UK**
 M.Sc. by Research
 Advisor: Professor Christine Watson
 Thesis topic: 'Nitrogen supply in low input agricultural systems'
- 1999-2003 **H.T.E.I. of Epirus, Greece**
 Undergraduate researcher
 Advisor: Professor Dimitrios Savvas
 Thesis Topic: 'Use of flowers to increase the biodiversity in an organic potato field.'

TEACHING EXPERIENCE

2010-2012

The University of Edinburgh/SRUC, UK

Full time M.Sc. Coordinator of the M.Sc. in Environmental Protection and Management

Responsibilities

- *Lecturer for the Environmental Protection and Management M.Sc./PG dip course.*
- *Responsible for preparing and delivering lectures (2x3-hour), setting and marking exams questions and course assignments for the 'Land Use and Environmental Interactions' and 'Atmospheric Quality and Global Change' modules (44 students 2011)*
- *Responsible for the dissertation module of the Environmental Protection and Management M.Sc./PG dip course, setting training courses on Stats, setting lectures on Effective Writing for Dissertations.*
- *Assisting meetings at the GeoScience department (involving all the Master courses) for reviewing the course (involving to discuss problems, examination procedures and marking)*
- *Involved in the University Open Days for future students*
- *Supervision of four Ph.D students*

2010-2011

The University of Edinburgh/SRUC, UK

Initiating the M.Sc. in Food Security, The University of Edinburgh

Responsibilities

- *Responsible for designing and developing a new M.Sc. course on Food Security (launched September 2011-The University of Edinburgh)*
- *Designing publication material for the course in collaboration with the involved lectures*
- *Preparing hand-outs and course material for the future students.*

2009-2010

The University of Edinburgh/SRUC, UK

Assistant of the M.Sc. in Environmental Protection and Management

Responsibilities

- *Responsible to organise M.Sc. field trips to Atlas Mountains, Morocco and Le Cevennes, France with 32 and 28 students, respectively; preparation of activities such as examining the local biodiversity, farming and soil management practices.*

2007-2008

The University of Edinburgh/SRUC, UK

Assistant at special abilities student on several environmental courses: 'Environmental Management', 'Renewable Energy' and 'Rural Planning' on 'Rural Resource Management'

2007-2008

The University of Edinburgh, UK

Tutor at Sustainability, Society and Environment course

First Year Undergraduate Course in Environmental Science (25 students).

Contact hours: 4x2-hour tutorial, 2x2-hour demonstrating

2007-2008

The University of Edinburgh, UK

Tutor Earth Surface Systems course

First Year Undergraduate Course in Environmental Science (15 students).

Contact hours: 4x2-hour tutorial

2005-2007

The University of Edinburgh, UK

Demonstrator at Soil Water and Atmospheric Processes course

Second Year Undergraduate Course in Environmental Science (15 students).

Contact hours: 4x2-hour tutorial, 2x2-hour demonstrating

2004-2005

SRUC, UK

Tutor at Landscape Design course

Third Year Environmental Science course. Contact hours: 10x3-hour practical and teaching.

PUBLICATIONS

Peer Review Journals Publications

1. **Pappa V.A.**, Scalise A., Gelsomino A., Rees R. M. (2017) Pea cultivar and wheat residues affect carbon/nitrogen dynamics in pea-triticale intercropping: A microcosms approach. (accepted Science of Total Environment-March 2017).
2. **Pappa V.A.**, Kapsis P., Mente E. (2016) An overview of aquaponics in the Mediterranean Region: the case of Greece. Water Journal (accepted in Journal of Fisheries Sciences-March 2016)
3. Maria L. Cayuela, Eduardo Aguilera, Alberto Sanz-Cobena, Dean C. Adams, Diego Abalos, Louise Barton, Rebecca Ryals, Whendee L. Silver, Marta A. Alfaro, **Valentini A. Pappa**, Pete Smith, Josette Garnier, Gilles Billen, Lex Bouwman, Alberte Bondeau, Luis Lassaletta. (2017) Direct nitrous oxide emissions in Mediterranean climate cropping systems: emission factors based on a meta-analysis of available measurement data. Agriculture, Ecosystems and Environment, Vol.238, Pages 25-35, 2017
4. Iannetta P.M., M. Young, J. Bachinger, G. Bergkvist, R. J. Lopez-Bellido, J. D. Bregón, M. Monti, **Valentini A. Pappa**, M. Reckling, C.F.E. Topp, R. Walker, R. M Rees, C. A. Watson, E. K. James, G. R. Squire, G. S. Begg. 2016. A comparative nitrogen balance and productivity analysis of legume and non-legume supported cropping systems. Frontiers Plant Science, <https://doi.org/10.3389/fpls.2016.01700>.
5. Topp F.F.E., Smith K.E., Thorman R., **Pappa V.A.**, Bennett G., Malkin S., Cardenas L., Chauhan M., Misselbrook T., Munro D.G., Rees R.M., Anthony S., Sylvester-Bradley R., 2014. The impact of weather on nitrous oxide emissions from arable land in the UK. Aspects of Applied Biology, 125, 2014. Agronomic decision making in an uncertain climate. pp 81-88.
6. Hammond J., Shackley S., Prendegast-Miller M., Buckingham S., Cook J., **Pappa V.A.** 2013. Biochar Field Testing in the UK: Outcomes and Implications for Use. Carbon Management, 4 (2), 159-170
7. Rogers C D, K A Evans, J Parker, **V A Pappa**, 2013. Behavioural response of wheat bulb fly (*Delia coarctata*, Diptera: Anthomyiidae) larvae to the primary plant metabolite carbon dioxide. Bulletin of entomological research. DOI:10.1017/S0007485313000382
8. Rees R. M., Baddeley J., Bhogal A., Ball B., Chadwick D., Macleod M., Lilly A., **Pappa V. A.**, Thorman R., Watson C., Williams J. Nitrous oxide mitigation in UK agriculture. Soil Science and Plant Nutrition. 01/2013; 59(1):3-15.
9. Skiba U., Jones S.K., Dragosits U., Drewer J., Fowler D., Rees R.M., **Pappa V.A.**, Cardenas L., Chadwick D., Yamulki S., Manning A.J. (2012) UK emissions of the greenhouse gas nitrous oxide. Philosophical Transaction of Royal Society, B (Biology).
10. **Pappa V. A.**, Rees R. M., Baddeley J. A., Pristeri A., Bohm H., Stoddart F.L. and Watson, C.A. (2011) The use of intercrops in a rotation. Aspects of Applied Biology 113, Making Crop Rotations Fit for the Future, pp. 143-148
11. Baddeley J. A., **Pappa V A**, Walker R L, Watson C A, Rees R M. 2011. Assessing the economic value of cereal-legume intercrops in low-input rotational cropping systems. Aspects of Applied Biology 113, Making Crop Rotations Fit for the Future, pp. 127-132
12. **Pappa V. A.**, Rees R. M., Walker R. L., Baddeley J. A. and Watson, C.A., 2011 Legumes intercropped with spring barley contribute to increased biomass production and carryover effects. The Journal of Agricultural Science 2011.
13. Angelopoulos, N., Topp C. F. E., **Pappa V. A.** and Rees R. M. 2011. Modelling Legume Based Rotations Aspects of Applied Biology, 109, Agricultural Ecology Research: Its role in delivering sustainable farm systems, pp 87-92.
14. **Pappa V A**, Rees R M, Walker R L, Baddeley J A, Watson C A. 2011. Nitrous oxide emissions and nitrate leaching in an arable rotation resulting from the presence of an intercrop. Agriculture, Ecosystems and Environment 141, 153-161.
15. **Pappa V.A.**, Rees R .M., Watson C. A., 2006. Nitrogen Transfer between Clover and Wheat in an Intercropping Experiment. Aspects of Applied Biology 79,. What will organic farming deliver? COR 2006, pp. 263-267. (ISSN 0265-1491)
16. Savvas, D., **V. A. Pappa**, A. Kotsiras, G. Gizas, 2004. 'NaCl accumulation in a cucumber crop grown in a completely closed hydroponic system as influenced by NaCl concentration in irrigation water.' European Journal of Horticultural Science, Vol.70 (4).
17. Savvas, D., **V. A. Pappa**, G.Gizas, L.Maglaras, 2004. 'Influence of NaCl concentration in the irrigation water on salt accumulation in the root zone and yield in a cucumber crop grown in a closed hydroponic system.' International Symposium on Soilless Culture and Hydroponic.14-19 November 2004. Almeria, Spain. Proceedings (Acta Horticulturae).

Submitted & Papers in preparation

18. **Pappa V.A.**, C.K. Kontopoulou, D. Bilalis, C. F. E. Topp, R. M. Rees, D. Savvas (2016) Greenhouse Gas Emissions from a Common Bean Crop under different farming practices and salinity of irrigating water in a Mediterranean Environment. (to be submitted in European Journal of Agronomy-September 2017)
19. **Pappa, V.A.**, Ntatsi, G., Yfantopoulos, D., Karkanis, A., Savvas, D., 2017. Impact of organic practices on greenhouse gas emissions by three local pea and faba bean landraces. (in preparation, to be submitted soon in a Journal with I.F.).

20. Savvas D., **Pappa V.A.**, Ntatsi G., Karkanis A., Ifantopoulos D., Travlos I., Bebeli P.J., Bilalis D. Impact of conventional vs. organic farming system on soil fertility, weed flora, yield and nitrogen fixation efficiency of different pea (*Pisum sativum* L.) landraces. (submitted in Pedosphere-November 2016)
21. **Pappa V. A.**, Pristeri A., Savvas D. Young M., Ball B., Baddeley J., Walker R., Lopez-Bellido R. J. Toncea I. Kontopoulou C. K., William M., Ianetta P., Monti M., Rees R. M. Nitrous Oxide Intensities of Legume Based Agricultural Systems In Europe. Agriculture, Ecosystems and Environment (to be submitted)
22. Williams M, **Pappa V. A.**, Baddeley J., Pristeri A., Kontopoulou C. K. , Epie, K.E., Stoddard F., James E.K., Young, M. , Hawes, C., Iannetta P.P.M., Savvas D., Monti M., Rees R.M. Nitrous oxide emission factors for biological nitrogen fixation: A reassessment. Agriculture, Ecosystems and Environment (to be submitted)
23. **Pappa V.A.**, A. Hulin and R. M. Rees. Effects of water content and fertilisation on direct and indirect nitrogen losses from Vicia faba plants. Soil, Biology and Biochemistry (to be submitted).
24. **Pappa V. A.**, A. Pristeri, M. Monti, R. M. Rees Nitrous oxide emissions of a cereal rotation system as affected by legume-barley intercrops in a Mediterranean Environment. Agriculture, Ecosystems and Environment (to be submitted)

Book chapters

25. Williams M., Roth B., **Pappa V.A.** and Rees R.M. 2014 Nitrogen and Phosphorous Losses from Legume Based Agriculture. The Legume Futures (in press)
26. Książak J., Staniak M., Stalenga J., Nykänen A. and **Pappa V.A.** 2014. Mixtures of legumes with cereals. The Legume Futures (in press)
27. Baddeley J., **Pappa V. A.**, Pristeri A., Bergkvist G., Monti M., Reckling M., Schläfke N., Watson C. 2014. Legume-based cover crops and green manure use in European agricultural systems. The Legume Futures (in press)

Policy reports

1. R. Sylvester-Bradley, R.E. Thorman, D.R. Kindred, S.C. Wynn, K.E. Smith, R.M. Rees, C.F.E. Topp, **V.A. Pappa**, N.D. Mortimer, T.H. Misselbrook, S. Gilhespy, L.M. Cardenas, M. Chauhan, G. Bennett, S. Malkin and D.G. Munro. 2015 Minimising nitrous oxide intensities of arable crop products (MIN-NO) Project Report No. 548
2. Topp, K., Watson, C., **Pappa, V.A.**, Williams, M., Stout, J., Cass, S., Fischer, J., Böhm, H., Murphy-Bokern, D., Kuhlman, T., Stoddard, F.L. Lindström, K., Reckling, M., Preißel, S., Bues, B., Zander, P., Knudsen, M.T., Olesen, J.E., Hermansen, J.E.M., Schelde, K. 2014. Policy implications of the environmental and resource effects of legume cropping. Legume Futures Report 3.8/6.6. Available from www.legumefutures.de
3. Williams, M., Stout, J., Roth, B., Cass, S., **Pappa, V.A.**, and Rees, B. 2014. Environmental implications of legume cropping. Legume Futures Report 3.7. Available from www.legumefutures.de

Selected Conference Presentations

1. Vougeleka V., Ntatsi G., **Pappa, V.A.**, Bebeli J.P., Arapis G., Saitanis C., Savvas D., 2016. Effects of organic and conventional farming practices on greenhouse gas emissions in different pea landraces grown under Greek conditions. 80 Hellenic Ecology Conference, Greece, 20-23 October 2016
2. Savvas, D., **Pappa, V.A.**, Yfantopoulos, D., Karkanis, A., Travlos, I., Bebeli, P.J., Ntatsi, G., Bilalis, D., 2016. Impact of organic practices on growth, yield, greenhouse gas emissions and biological nitrogen fixation by three local pea and faba bean landraces Second International Legume Society Conference, Lisbon, Portugal, October 11-14, 2016
3. Savvas, D., Ntatsi, G., **Pappa, V.A.**, Tampakaki, A., Bilalis, D., Kittas, C., Thanopoulos, R., Lazaridi, E., Karapanos, I., Karkanis, A., Travlos, I., Fotiadis, C., Bebeli, P.J., 2016. The Use of Legumes for Sustainable Agricultural Production: EUROLEGUME. III International Symposium on Horticulture in Europe - SHE2016, Chania, Greece, October 17-21, 2016
4. R. Sylvester-Bradley, R.E. Thorman, D.R. Kindred, S.C. Wynn, K.E. Smith, R.M. Rees, C.F.E. Topp, **V.A. Pappa**, N.D. Mortimer, T.H. Misselbrook, S. Gilhespy, L.M. Cardenas, M. Chauhan, G. Bennett, S. Malkin and D.G. Munro. 2015 Nitrous oxide emissions from UK arable agriculture are less than previously thought. International Fertiliser Society, 12/2015
5. Baddeley J.A., **Pappa V.A.**, Walker R.L., Watson C.A., Rees R.M., 2014. Intercrops can increase the profitability of low-input rotational cropping systems. SOLIBAM Congress: Diversity strategies for organic and low input agricultures and their food systems., Nantes, France; 07/2014
6. **Pappa V.A.** , Thorman R.E., Smith K.E., Sylvester-Bradley R, Rees R.M., 2014. The contribution of crop residues to nitrous oxide emissions from arable crops. 18th N workshop 2014, Lisbon, Portugal-Oral presentation
7. **Pappa V. A.**, Baddeley J., Pristeri A., Bergkvist G., Monti M., Reckling M., Schläfke N., Watson C. 2014. Crop combinations, management and economic benefits of intercrops across Europe: a review. 18th N workshop 2014, Lisbon, Portugal-Poster presentation
8. **Pappa V. A.**, Pristeri A., Savvas D., Young M., Ball B., Lopez-Bellido R. J., Toncea I., Kontopoulou C. K., William M., Ianetta P., Monti M., Rees R. M., 2014. Nitrous oxide intensities of legume based agricultural systems in Europe. 18th N workshop 2014, Lisbon, Portugal -Poster presentation

9. Smith, K.E, Thorman, R.E., Chauhan, M., Bennett, G., Malkin, S., Munro, D.G., **Pappa, V.A.**, Rees, R.M., Sylvester-Bradley, R., 2014. Linear and non-linear responses of nitrous oxide emissions to fertiliser nitrogen rate and their impact on emission intensities of arable crops. 18th N workshop 2014, Lisbon, Portugal-Poster presentation
10. **Pappa V.A.**, Andreas Grader, Roman Gaus, 2013. Urban agriculture: The role of aquaponics in food security. SRUC Carbon Management Centre International Conference. Sustainable intensification: The pathway to low carbon farming?, Edinburgh, 25-27 September 2013
11. **Pappa V.A.**, A. Graber and A. Mathis, 2013. The use of legumes in an aquaponic agricultural system. First Legume Society 2013, Novi Sad, Serbia-Oral presentation
12. **Pappa V.A.**, A. Pristeri, M. Monti and R. M. Rees, 2013. Nitrous oxide emissions of legume based agricultural systems in Northern and Southern Europe. First Legume Society 2013, Novi Sad, Serbia-Poster presentation
13. **Pappa V.A.**, A. Zoidou, O. Knox, J. Fountaine and R.M. Rees, 2012. Nitrous oxide emissions and microbial communities in the rhizosphere of combinable pea cultivars. ESA 2012, Helsinki, Finland-Poster presentation
14. **Pappa V. A.**, Pristeri A., Savvas D., Toncea I., Kontopoulou X., Rees R.M., 2012. Nitrous oxide emissions of legume based agricultural systems in Europe, ESA 2012, Helsinki, Finland-Oral presentation
15. Kontopoulou X., Savvas D., Bilalis D., **Pappa V. A.**, Karapanos I., Rees R.M., 2012. Impact of farming practices (organic vs. conventional system) and salinity on a common bean crop (*Phaseolus vulgaris* L.) grown under Mediterranean climatic conditions, ESA 2012, Helsinki, Finland-Oral presentation
16. **Pappa V.A.**, R. Thorman, R. M. Rees and R. Sylvester-Bradley, 2012. Can leguminous crops reduce nitrous oxide emissions? 17th International Nitrogen Workshop: Innovations for Sustainable Use of Nitrogen Resources, Wexford, Ireland-Poster presentation
17. Thorman, R.E., **Pappa, V.A.**, Smith, K., Rees, R.M., Chauhan, M., Bennett, G., Denton, P., Munro, D.G., Sylvester-Bradley, R., 2012. The effect of nitrogen fertiliser application rate on nitrous oxide emission intensities of arable crop products. 17th International Nitrogen Workshop: Innovations for Sustainable Use of Nitrogen Resources, Wexford, Ireland-Oral presentation
18. Rees R.M., Baddeley J.A., Bhogal A., Ball B., Chadwick D., MacLeod M., Lilly A., **Pappa V.A.**, Thorman R., Watson C.A., and Williams J. 2011 Nitrous oxide mitigation in UK agriculture. MARCO Workshop on Technology Development for Mitigating. Tsukuba, Japan 2011-Oral presentation
19. Rees R.M. and **Pappa V.A.**, 2011. Nitrous oxide mitigation in European agriculture. Workshop on measures to reduce GHG emissions in China. 16-17 September, Beijing, China 2011-Oral presentation
20. **Pappa V.A.**, R. Thorman, R. M. Rees and R. Sylvester-Bradley, 2011. Effects of nitrogen fertiliser use on minimizing N₂O intensities of arable crop products. Poster presentation, EGU, Vienna 2011
21. **Pappa V.A.**, R. M. Rees, R. Walker and C. A. Watson, 2011. Nitrogen losses from low input and conventional arable rotational agricultural systems. Oral presentation, Nitro-Europe, Edinburgh, Scotland 2011
22. **Pappa V.A.**, A. Hulin and R. M. Rees, 2011. Effects of water content and fertilisation on direct and indirect losses from *Vicia faba* plants. Oral presentation, Nitro-Europe, Edinburgh, Scotland 2011
23. Ion Toncea, **Valentini A. Pappa**, Georgeta Oprea and Robert M. Rees, 2011. Legumes-the key of nitrogen supply Romanian eco-farming systems. Oral presentation, Nitro-Europe, Edinburgh, Scotland 2011
24. **Pappa V.A.**, R. M. Rees, R. L. Walker, J. A. Baddeley, C. A. Watson, 2010 Effects of intercrops in a three-year low input rotation. Oral presentation, SEPA/SRUC, Edinburgh 2010
25. McGechan M, **Pappa V.A.**, Stronach M. L., 2010 Phosphorus losses through tile drains, SEPA/SRUC, Edinburgh 2010
26. **Pappa V.A.**, R. M. Rees, R. L. Walker, J. A. Baddeley, C. A. Watson, 2009 Intercropping use in a three-year low input rotation: Nitrogen. Oral presentation, BSSS, Reading 2009
27. **Pappa V.A.**, R. M. Rees, R. L. Walker, J. A. Baddeley, C. A. Watson, 2009 Nitrogen losses from an intercropped low input rotation in Eastern Scotland. Highly Organic Soils, Edinburgh 2009
28. **Pappa V.A.**, R. M. Rees, R. L. Walker and J. A. Baddeley, 2008. Low input agricultural systems: Intercropping's role in N management. Poster, EUROSOIL, Vienna, Austria 2008.
29. **Pappa V.A.**, R. M. Rees, R. L. Walker and J. A. Baddeley, 2008. Intercropping has a high potential to reduce environmental impacts of agriculture. Poster, EUROSOIL, Vienna, Austria 2008.
30. **Pappa V.A.**, R.M. Rees, J. A. Baddeley and R. L. Walker, 2008. Intercrops and N Use Efficiency in Low Input Agricultural Systems. 4th International QLIF Training and Exchange workshop Soil nitrogen: research and extension, oral presentation Driebergen, The Netherlands
31. **Pappa V.A.**, R.M. Rees, R. L. Walker and J. A. Baddeley, 2008. Intercropping can reduce environmental impacts. Proceedings of the SRUC and SEPA Biennial Conference, Edinburgh, UK. Agriculture and Environment VII: Land management in a Changing Environment. Poster
32. Baddeley, J.A., **Pappa, V.A.**, Walker, R.L., Rees, R.M., Watson, C.A. & Baggs, E. (2007). The Environmental Impact Of Leguminous Intercrops. Annual Meeting of the British Ecological Society. Glasgow, Sep 2007. p.51.
33. Baddeley, J.A., R. L. Walker, **V.A. Pappa**, R. M. Rees and C. A. Watson, 2007. Weed Management In Organic Cereals Through The Design Of Cropping Systems. Annual Meeting of the British Ecological Society. Glasgow, Sep 2007. p.51.

34. Baddeley, J.A., R. L. Walker, **V.A. Pappa**, R. M. Rees and C. A. Watson (2007). Weed management in organic cereals through the design of cropping systems. Annual Meeting of the British Ecological Society. Glasgow, Sep 2007. p.46. BES, University of Glasgow, UK, 10 - 12 September 2007.
35. **Pappa V.A.**, R. M. Rees, G. Russell, J. A. Baddeley, 2007. The Role of Intercrops in Supplying Nitrogen in Low Input Agricultural Systems. SUSVAR Velence, Hungary, 29 May to 1 June 2007.
36. **Pappa V.A.** 2007. The Role of Intercrops in Increasing Nitrogen Use Efficiency in a Low Input Arable System. The University of Edinburgh, 2nd year Postgraduates Conference, Best poster prize.
37. **Pappa V.A.**, R.M. Rees, G. Russell, J. A. Baddeley, 2007. The Role of Intercrops in Increasing Nitrogen Use Efficiency in a Low Input Arable System. BSSS, London 2007- Oral presentation.
38. **Pappa V.A.**, R.M. Rees, C. A. Watson, 2007. The effect of nitrogen availability and temperature on the growth of different clover varieties.' 15th N Workshop, Lleida, Spain. Journal TBA
39. **Pappa V.A.**, R.M. Rees, G. Russell, J. A. Baddeley, 2007. The Role of Intercrops in Supplying Nitrogen in Low Input Agricultural Systems. 15th N Workshop, Lleida, Spain.
40. Rees R. M., J. A. Baddeley, **V.A. Pappa**, I. Bingham, N. Eickenscheidt, C. A. Watson, 2007. Can intercropping contribute to sustainable N use in temperate arable agriculture? 15th N Workshop, Lleida, Spain.
41. **Pappa V.A.**, R.M. Rees, C. A. Watson, 2006. Nitrogen Transfer between Clover and Wheat in an Intercropping Experiment. 18th World Congress of Soil Science July 9-15, 2006-Philadelphia, Pennsylvania, USA.
42. **Pappa V.A.**, R.M. Rees, C. A. Watson, 2006. Methods of clover and wheat intercropping for greater wheat development. 11th Hellenic Soil Science Conference 4-7 Oct. 2006 Arta, Greece (ISBN 960-87593-8-2)
43. Savvas, D., **V.A. Pappa**, A. Kotsiras, G. Gizas. 'Modelling salt accumulation in a cucumber crop grown in a closed hydroponic system as influenced by different NaCl concentrations in the raw water. '21st Congress of the Greek Society for Horticultural Science.8-10 October 2003. Ioannina, Greece. Proceedings.

PROFESSIONAL ACTIVITIES AND SERVICES

- Reviewer for journals, "European Journal of Soil Science", 'Soil, Use and Management', 'Soil management and Plant nutrition', 'Science of Total Environment', 'Geoderma' and "Plant and Soil"
- Co-chairing the Scottish Soil Discussion Group (since January 2011) and preparing scientific meeting and workshops
- Co-organiser of the joint venture between the British Ecological Society, the British Society of Soil Science, and the Scottish Government's Biodiversity Science Group titled 'Challenges for Scotland's Biodiversity Conservation: From the Soils to the Skies', March 2012

AWARDS AND HONORS

- Scotland's Innovation voucher with Urban Farming Co., £5000, Scotland 2014
- British Society of Soil Science fund for the 18th World Congress of Soil Science, Philadelphia, 2006, £1,000
- James Rennie Bequest Science fund for the 18th World Congress of Soil Science, Philadelphia, 2006, £500
- British Society of Soil Science fund for the EUROSIL 2008, Vienna Austria, 2008, £600
- Sir Steven Watson fund for the EUROSIL 2008, Vienna, Austria, 2008, £400
- Partially funded Ph.D. studentship, £30,000 (September 2005-March 2008)
- Fully funded M.Sc. studentship, £10,000 (September 2004-September 2005)
- Frank Elsley Memorial Trust for the 11th Hellenic Conference in Soil Science, Greece, £400

MEMBERSHIP OF TECHNICAL/PROFESSIONAL BODIES

- Hellenic Society of Soil Science
- British Society of Soil Science (BSSS)
- Co-chair in the Scottish Soil Regional Discussion Group
- Association of Applied Biologists (AAB): Member
- International Organisation for Biotechnology and Bioengineering

LANGUAGES

Greek (Mother Tongue), English (Native Level), French (Elementary level, 5 years), German (Elementary level, 2 years), Spanish (Intermediate level), Italian (Elementary level).