

CURICULUM VITAE
ANTONIADIS, VASILEIOS

Named Top 2% Scientist in 2021, 2022, and 2023, Stanford University
(#Environmental Sciences—Agronomy & Agriculture—Earth & Environmental Sciences)

1. General Information

- Mailing address: School of Agricultural Sciences, Fytokou Street, 384 46, Volos, Greece. E-mail: antoniadis@uth.gr.
- Year of Birth: 1971.
- Nationality: Greek.
- Marital Status: Married.

2. Education

2.1. Secondary Education

1989: Graduation from High School, Ampelokipi, Thessaloniki, Greece.

2.2. University Education

- *Duration:* 1989–1994 (5-year BSc course)
- *Department/Univesity:* Department of Agriculture, Aristotle University of Thessaloniki.
- *Specialization:* Land Reclamation, Soil Science and Agricultural Engineering.
- *Dissertation:* Boron availability in ten soils of Northern Greece.
- *Degree:* 7.09/10 (Very good).
- *Date of graduation:* 16th of March 1995.

2.3. PhD (with scholarship from IKY via competitive examination process)

- *Duration:* 1995-1998.
- *Department/University:* The University of Reading, Department of Soil Science, Great Britain.
- *Dissertation:* Heavy metal availability and mobility in sewage sludge-treated soils.
- *Date of graduation:* 3rd of July 1999.

3. Work Experience

3.1. Research Experience (The Institute where research was conducted, if not stated, is the Department of Agriculture, University of Thessaly. All Projects are competitive, unless otherwise stated)

3.1.1. Research Projects under Evaluation

Currently there are six Projects under evaluation, 5 Horizon Europe and one ELIDEK; I act as:

- Coordinator/Principal Investigator in 2 of them (one HE Call and one ELIDEK Call)
- Leader of UTH in 2 of them (2 HE Call)
- Member of the research team of UTH in 2 of them (2 HE Calls)

3.1.2. Research Projects in Progress

3.1.2.6.

- *Project title:* (CIPROMED).
- *Project Coordinator:* Professor Christos Athanassiou (University of Thessaly).

- *Duration:* 36 months: (June 2023 until June 2026)
- *Funding Agency:* “PRIMA: Partnership for Research and Innovation in the Mediterranean Area”.
- *My role:* Member of the research team of UTH.
- *My duties:* Experimental design, carrying out experiments, analyses of soils and plants, statistical analyses of data, and writing up of final report.

3.1.2.5.

- *Project title:* ADVanced AGROecological approaches based on the integration of insect farming with local field practices in MEDiterranean countries (ADVAGROMED).
- *Project Coordinator:* Professor Gasco Laura (University of Turin).
- *Duration:* 30 months: (January 2023 until June 2025)
- *Funding Agency:* “PRIMA 2021: Partnership for Research and Innovation in the Mediterranean Area”.
- *My role:* Member of the research team of UTH.
- *My duties:* Experimental design, carrying out experiments, analyses of soils and plants, statistical analyses of data, and writing up of final report.

3.1.2.4.

- *Project title:* Development of pumpkin pulp formulation using a sustainable integrated strategy (PulpIng) (#6547).
- *Project Coordinator:* Professor Lillian Barros (Polytechnic Institute of Bragança, Portugal).
- *Duration:* 15 months (September 2020 until December 2021)
- *Funding Agency:* “PRIMA: Partnership for Research and Innovation in the Mediterranean Area”.
- *My role:* Member of the research team of UTH.
- *My duties:* Experimental design, carrying out experiments, analyses of soils and plants, statistical analyses of data, and writing up of final report.

3.1.2.3.

- *Project title:* Valorization of Mediterranean small-scale farms by cropping wild unexploited species (ValueFarm).
- *Project coordinator:* Dr. Spyridon Petropoulos.
- *Duration:* 36 months.
- *Funding Agency:* PRIMA: Partnership for Research and Innovation in the Mediterranean Area.
- *My role:* Member of the research team of UTH.
- *My duties:* Experimental design, carrying out experiments, analyses of soils and plants, statistical analyses of data, and writing up of final report.

3.1.2.2.

- *Project title:* The use of biostimulants as sustainable crop management means towards the increase of yield and quality of crops under the Mediterranean climate conditions (BioCROP).
- *Project coordinator:* Dr. Spyridon Petropoulos.
- *Duration:* 30 months.
- *Funding Agency:* Ministry of Finances and Development, Greece.

- *My role:* Member of the research team of UTH.
- *My duties:* Experimental design, carrying out experiments, analyses of soils and plants, statistical analyses of data, and writing up of final report.

3.1.2.1.

- *Project title:* Laboratory of Soil Science (the Project refers to services of the Laboratory towards the public of soil, plant and water analyses) (#5605).
- *Project coordinator:* (see below).
- *Duration:* --- (Commencement: December 2019).
- *Funding Agency:* Public end users.
- *My duties:* Project coordinator.
- *My role:* Soil, plant, and water analyses.

3.1.3. Completed Research Projects

3.1.3.18.

- *Research title:* Utilization of sewage sludge in agriculture for the Municipality of Alexandroupoli (Αξιοποίηση Ιλύος Βιολογικού Καθαρισμού για Γεωργικούς Σκοπούς στο Δήμο Αλεξανδρούπολης) (#82296).
- *Project coordinator:* S. Koutroubas.
- *Duration:* 16 months (June 2019 until December 2019, and February 2020 until December 2020) (Project ends in December 2022)
- *Funding Agency:* Municipality of Alexandroupoli.
- *Institute where I conducted the Research:* Department of Agricultural Development, Democritus University of Thrace.
- *My role:* Research Associate.
- *My duties:* Experimental design, carrying out experiments, analyses of soils and plants, statistical analyses of data, and writing up of final report.

3.1.3.17. (Scholarship of two young scientists)

- *Project title:* Study of *Portulaca oleracea* L. cultivation as a plant for the phytoremediation of contaminated soils (#6379).
- *Project coordinator:* (stated below).
- *Duration:* 15 months (December 2019-February 2021).
- *Funding Agency:* Ministry of Development, Greece.
- *My role:* Project Leader (“Academic Counselor”).
- *My duties:* Writing up of the competitive proposal, supervising of the two young scientists (PhD Candidates), writing up of scientific papers.

3.1.3.16.

- *Project title:* Utilization of sewage sludge in agriculture for the Municipality of Orestiada (Αξιοποίηση ιλύος βιολογικού καθαρισμού για γεωργικούς σκοπούς στο Δήμο Ορεστιάδας) (#82421).
- *Project coordinator:* S. Koutroubas.
- *Duration:* 16 months (January 2020 until August 2021).
- *Funding Agency:* Municipality of Orestiada.
- *Institute where I conducted the Research:* Department of Agricultural Development, Democritus University of Thrace.
- *My role:* Research Associate.

- *My duties:* Experimental design, carrying out experiments, analyses of soils and plants, statistical analyses of data, and writing up of final report.

3.1.3.15. (Scholarship for visit in Wuppertal University)

- *Project title:* Potentially toxic element availability and mobility from soil to wheat and maize plants in a suspected contaminated area around a steel factory, Volos, Greece.
- *Project coordinator:* (stated below).
- *Duration:* 15 June έως 14 July 2018.
- *Funding Agency:* DAAD-Deutscher Akademischer Austauschdienst.
- *Institute where I conducted the Research:* Bergische Universität Wuppertal, Institute of Foundation Engineering, Waste- and Water-Management, School of Architecture and Civil Engineering, Wuppertal, Germany.
- *My role:* Project Leader (Scholar).
- *My duties:* Drafting of competitive proposal. While in Germany: Laboratory and office work according to the proposal, writing up of scientific research papers.

3.1.3.14.

- *Project title:* “Experimental study of the evaluation potential of legumes in agricultural production systems of the Municipality of Didimiticho” (Πειραματική μελέτη της δυνατότητας αξιοποίησης των ψυχανθών στα γεωργικά συστήματα καλλιέργειών του Δήμου Διδυμοτείχου, #81970).
- *Project coordinator:* Prof. Spyridon Koutroubas.
- *Duration:* 19 ½ months (22 November 2017-6 July 2019).
- *Funding Agency:* Municipality of Didimoticho.
- *My role:* Research Associate.
- *My duties:* Experimental design, carrying out experiments, analyses of soils and plants, statistical analyses of data, and writing up of final report.

3.1.3.13.

- *Project title:* Adjustment of agricultural production in climate change and in particular in limited water resources (ΠΕΓΑ-Προσαρμογή της γεωργικής παραγωγής στην κλιματική αλλαγή και ειδικότερα στην περιορισμένη χρήση υδάτινων πόρων, #3924).
- *Project coordinator:* Alexander Papachatzis (Αλέξανδρος Παπαχατζής).
- *Duration:* 1st Aug. 2015 until 31st Oct. 2015 (refers to my participation).
- *Funding Agency:* Technical Education Institute of Thessaly (Ειδικός Λογαριασμός της Επιστροπής Εκπαίδευσης και Ερευνών, ΤΕΙ Θεσσαλίας).
- *My role:* Research Associate (Επιστημονικός Συνεργάτης).
- *My duties:* Five-hour teaching on the subject of “Natural Resources management—Fertilization Systems” («Διασκαλία 5 ωρών με θέμα: «Διαχείριση Φυσικών Πόρων –Συστήματα Λίπανσης»).

3.1.3.12.

- *Project title:* Adjustment of cultivations and animals at higher productivity levels and utilization of by-products in the East Macedonia and Thrace Prefecture (Προσαρμογή Καλλιέργειών και Ζώων σε Ανώτερα Παραγωγικά Επίπεδα και Αξιοποίηση Παραπροϊόντων στην Περιφέρεια Ανατολικής Μακεδονίας και Θράκης) (#81859).

- *Project Coordinator:* S. Koutroubas.
- *Duration:* 58 months (February 2016 until December 2020).
- *Funding Agency:* East Macedonia and Thrace Prefecture
- *My role:* Research Associate.
- *My duties:* Experimental design, carrying out experiments, analyses of soils and plants, statistical analyses of data, and writing up of final report.

3.1.3.11.

- *Project title:* Bilateral Programme of Scientific Visits (visit in Germany—competitive Programme).
- *Project coordinator:* ---
- *Duration:* 21st-25th of September 2015.
- *Funding Agency:* DAAD (Deutscher Akademischer Austausch Dienst—German Academic Exchange Service) and Ministry of Education, Greece.
- *My role:* Visiting Professor (Host Institute/Professor: Professor Jorg Rinklebe, Full Professor for Soil- and Groundwater-Management Department, Wuppertal University, Germany).
- *My duties:* Drafting of competitive proposal. While in Germany: I conducted lecture, was educated in analytical techniques, and discussed future research collaboration plans with Prof. Rinklebe.

3.1.3.10.

- *Project title:* “Development of wheat cultivars of high nutrition value and added value” («Ανάπτυξη ποικιλιών μαλακού σίτου υψηλής διατροφικής και προστιθέμενης αξίας» #81254).
- *Project coordinator:* Professor Spyridon Koutroubas.
- *Duration:* 24 months (June 2013 until June 2015).
- *Funding Agency:* European Union and the General Secretariat of Research and Technology, Greece.
- *My role:* Research Associate.
- *My duties:* Experimental design, carrying out field experiments, soil and plant laboratory analyses, statistical interpretation, drafting of final report.

3.1.3.9.

- *Project title:* “Sorption and availability of phosphorus: Evaluation of physical and chemical soil properties” («Προσρόφηση και διαθεσιμότητα φωσφόρου: Διερεύνηση φυσικών και χημικών εδαφικών ιδιοτήτων») (non-competitive Project) (#4504.01.30).
- *Project coordinator:* (stated below)
- *Duration:* 21 months (February 2013 until October 2014).
- *Funding Agency:* Research Committee of the University of Thessaly.
- *My role:* Project Coordinator.
- *My duties:* Σύνταξη πρότασης, πειραματικός σχεδιασμός, διεξαγωγή πειραμάτων, αναλύσεις εδαφικών και φυτικών δειγμάτων στο εργαστήριο, στατιστική επεξεργασία δεδομένων, σύνταξη της τελικής έκθεσης.

3.1.3.8.

- *Project title:* “Conduct of research projects for the increase in efficiency of agricultural production, adaptation of crops and farm animals at higher

productivity levels and use of byproducts at East Macedonia-Thrace”. («Εκπόνηση ερευνητικών προγραμμάτων για τη βελτίωση της αποδοτικότητας του αγροτικού τομέα, την προσαρμογή καλλιεργειών και ζώων σε ανώτερα παραγωγικά επίπεδα καθώς και την αξιοποίηση παραπροϊόντων στην Περιφέρεια Ανατολικής Μακεδονίας και Θράκης»).

- *Project coordinator*: Spyridon Koutroubas (Σ. Κουτρούμπας).
- *Duration*: 24 months (November 2012 until October 2014).
- *Funding Agency*: East Macedonia-Thrace Prefecture.
- *My role*: Research Associate (Επιστημονικός Συνεργάτης).
- *My duties*: Analyses of soils and plants in laboratory, statistical interpretation of data, writing up final report.

3.1.3.7.

- *Project title*: Use of farmyard manure and sewage sludge as organic fertilizers in the Prefecture of Evros. («Χρήση κοπριάς αγροτικών ζώων και ιλύος βιολογικού καθαρισμού ως οργανικών λιπασμάτων στο Νομό Έβρου»).
- *Project coordinator*: Spyridon Koutroubas (Σ. Κουτρούμπας).
- *Duration*: 28 months (December 2007 until April 2010).
- *Funding Agency*: Prefecture of Evros (Νομαρχιακή Αυτοδιοίκηση Έβρου).
- *Institute where I conducted the Research*: Department of Agricultural Development, Democritus University of Thrace.
- *My role*: Research Associate.
- *My duties*: I took part in writing of the proposal, experimental design, carrying out experiments, analyses of soils and plants, statistical analyses of data, writing up of final report, and organizing and presenting data in an open information day.

3.1.3.6.

- *Project title*: Effect of sewage sludge application on quality indices of soils vulnerable to degradation.
- *Project coordinator*: Christos Tsadilas (Χ. Τσαντήλας).
- *Duration*: 24 months (August 2006 until August 2008).
- *Funding Agency*: General Secretariat of Research and Technology, Ministry of Development.
- *Institute where I conducted the Research*: Institute of Soil Mapping and Classification of Larissa.
- *My role*: Research Associate.
- *My duties*: I took part in writing up the proposal, experimental design, carrying out experiments, analyses of soils and plants, statistical analyses of data, and writing up of final report.

3.1.3.5.

- *Project title*: Study of the effect of organic and conventional fertilization in nitrate and zinc leaching from soil: The case study of the Gulf of Kalloni, Lesvos Island (Postdoctoral research).
- *Project coordinator*: (stated below).
- *Duration*: 12 months (December 2003 until December 2004).
- *Funding Agency*: State Scholarship Foundation.
- *Institute where I conducted the Research*: Institute of Soil Mapping and Classification, National Agricultural Research Foundation.

- *My role:* Research Coordinator.
- *My duties:* Project proposal writing, experimental design, carrying out experiments, analyses of soils and plants, statistical analyses of data, and writing up of final report.

3.1.3.4.

- *Project title:* Monitoring of the quality of surface water bodies in Macedonia and Thrace.
- *Project coordinator:* Prof. E. Mourkidou (Ε. Μουρκίδου).
- *Duration:* 4 μήνες (Απρίλιος 2000-Αύγουστος 2000).
- *Funding Agency:* Department of Agriculture, and Aristotle University of Thessaloniki.
- *Institute where I conducted the Research:* Laboratory of Agricultural Chemistry, Department of Agriculture, Aristotle University of Thessaloniki.
- *My role:* Research Associate (Εργαστηριακός Συνεργάτης).
- *My duties:* Analyses in analytical instruments as instructed.

3.1.3.3.

- *Project title:* Measuring the effect of competitive ion exchange on heavy metal migration rates in London Clay (Postdoctoral research).
- *Project coordinator:* Dr. J.D. McKinley.
- *Duration:* 12 months (January 1999 until January 2000).
- *Funding Agency:* Engineering and Physical Sciences Research Council, Ministry of Environment of Great Britain.
- *Institute where I conducted the Research:* Cardiff University, School of Engineering, Division of Civil Engineering, Geoenvironmental Research Centre.
- *My role:* Postdoctoral Research Associate.
- *My duties:* (after being short-listed and selected for this position): I took part in the experimental design; I carried out experiments, analysed soils, did statistical analyses of data, and wrote up the final report.

3.1.3.2.

- *Project title:* ---
- *Project coordinator:* ---.
- *Duration:* 1 month (November 1998 until December 1998).
- *Funding Agency:* ---.
- *Institute where I conducted the Research:* Environment Agency, Laboratory of Organic Chemistry, Reading, Great Britain (through the *Carlcrest* job agency).
- *My role:* Laboratory Technician.
- *My duties:* Analyses in analytical instruments as instructed.

3.1.3.1.

- *Project title:* A comparative study of the dynamics of heavy metals in sewage sludge-amended soils in Greece and Britain.
- *Project coordinator:* B.J. Alloway.
- *Duration:* 24 months (September 1996 until September 1998).
- *Funding Agency:* British Council and the National Agricultural Research Foundation.

- *Institute where I conducted the Research:* The University of Reading, Department of Soil Science.
- *My role:* Research Assistant.
- *My duties:* (as part of my PhD) Analyses of soils, statistical analyses of data, and writing up of final report.

3.2. Teaching Experience

3.2.4. University of Thessaly (Teaching-Research Staff-DEP, i.e., permanent academic staff)

- *Duration:* June 2010 until now.
- *Position:* **Full Professor:** September 2022 until now
Associate Professor: July 2018 until September 2022
Assistant Professor: December 2013 until July 2018
Lecturer: June 2010 until December 2013
- *Modules I teach:*
 - At graduate level
 - 1) *Soil Science*
 - 2) *Soil Fertility and Fertilizers*
 - 3) *Soil Contamination*
 - At postgraduate level
 - 1) *Soil Fertility and Plant Nutrition*
 - 2) *Management of Degraded Soils*
- *Other duties:*
 - Dissertations/theses:
 - As supervisor:
 - 3 PhD theses (of which, 1 complete, 2 in progress)
 - 12 MSc theses (all complete)
 - 46 completed BSc dissertations
 - As a part of the 3-member PhD supervising committee:
 - 4 PhD theses
 - Research work:
 - 18 completed Projects
 - 6 Projects in progress
 - 6 proposals submitted
 - Administrative duties assigned to me as member of the Teaching-Research Staff.

3.2.3. Democritus University of Thrace (Teaching-Research Staff-DEP)

- *Duration:* 17 March 2006 until 29 June 2010.
- *Position:* Lecturer: 17 March 2006 until 28 April 2010.
Assistant Professor: 28 April 2010 until 29 June 2010.
- *Modules I taught:*
 - 1) *Introductory Soil Science*
 - 2) *Soil Fertility and Fertilizers*
 - 3) *Soil Classification and*
 - 4) *Problem Soils*
- *Other duties:*
 - Dissertations/theses:
 - As supervisor:

2 MSc theses
6 BSc dissertations

- Research work
- Administrative duties assigned to me as member of the Teaching-Research Staff.

3.2.2. Democritus University of Thrace (fixed-term contracts)

Duration: October 2003 until January 2006 (total duration of four contracts: 15 1/3 months).

- *Position:* Teaching Fellow.
- *Department:* Department of Agricultural Development (based in Orestiada, Greece).
- *Modules I taught:* Responsible for the teaching of: 1) *Introductory Soil Science*, 2) *Soil Fertility-Fertilizers*, and 3) *Soil Classification*.

3.2.1. University of the Aegean (fixed-term contracts)

- *Duration:* September 2001 until August 2003 (total duration of three contracts: 23 3/4 months).
- *Position:* Teaching Fellow.
- *Department:* Department of Environmental Studies (based in Mytilene, Greece).
- *Modules I taught:*
 - Responsible for the teaching of: 1) *Soil Science: The Soils in the Ecosystems*, and 2) *Water Ecosystems*.
 - Part of the teaching team of: 1) *Research Methods*, and 2) *Management of Solid and Hazardous Wastes*.

4. Scientific Distinctions

- Named Top 2% Scientist in 2021, 2022, and 2023, Stanford University (#“Environmental Sciences,” “Agronomy & Agriculture,” “Earth & Environmental Science”).
- Member of the Editorial Board of *Environmental Geochemistry and Health* (springer.com/journal/10653/editors), impact factor=3.472 (2020).
- Member of the Editorial Board of *Agriculture* (mdpi) (mdpi.com/journal/agriculture/editors), impact factor=2.925 (2020).
- Member of the Editorial Board of *Agrochimica* (https://www.pisauniversitypress.it/landing_page-le-riviste-agrochimica-1497.html), impact factor=0.654 (2020).
- Guest Editor of the Special Issue titled “Health risk assessment of potentially toxic elements” (deadline 28 February 2021) of the Journal *Toxics* (ISSN 2305-6304), Impact Factor=3.271 (2019).
- Member of the Editorial Board of *American Journal of Agricultural and Biological Sciences* (<http://thescipub.com/journals/ajabs/editors>).
- Reviewer in more than 50 scientific Journals (with more than 150 reviews)
- Responsible for the edition of a chapter in the Greek publication of the book: Brady, N.C., and Weil, R.R. 2002. *The Nature and Properties of Soils*, Thirteenth Edition, Prentice Hall, Upper Saddle River, New Jersey.
Chapter Title: Soils and Chemical Pollution, Chapter 18, pp. 797-839.
- Visits-teaching in the ERASMUS Programme:

1. Cardiff University, School of Civil Engineering, Cardiff, UK, 26 April-2 May **2002**.
2. Technical University of Cyprus, Department of Agricultural Sciences, Biotechnology and Food Science, Limissol, Cyprus, 21-25 June **2016**.
3. Bergische Universitat Wuppertal, Institute of Foundation Engineering, Waste- and Water-Management, School of Architecture and Civil Engineering, Wuppertal, Germany, 22-26 November **2016**.
4. Bergische Universitat Wuppertal, Institute of Foundation Engineering, Waste- and Water-Management, School of Architecture and Civil Engineering, Wuppertal, Germany, 9-13 October **2017**.
5. Bergische Universitat Wuppertal, Institute of Foundation Engineering, Waste- and Water-Management, School of Architecture and Civil Engineering, Wuppertal, Germany, 20-25 May **2019**.
6. Bergische Universitat Wuppertal, Institute of Foundation Engineering, Waste- and Water-Management, School of Architecture and Civil Engineering, Wuppertal, Germany, 7-8 September **2023**.
7. Technical University of Cyprus, Department of Agricultural Sciences, Biotechnology and Food Science, Limissol, Cyprus, 15-16 March **2024**.

5. Publications

(As of 16-11-2023)	Google Scholar (self-citations are included)	Scopus (“Exclude self citations of selected author”)	Web of Science
Documents	Not stated	104	105
Citations	5360	3833	3615
<i>h</i> -index	37	30	29
<i>i</i> ₁₀ -index	72	---	---

According to the Web of Science (Researcher ID: AAU-2033-2021):

- Median citation percentile: 67nd percentile.
- First author: 36% of papers.
- Last author: 16% of papers.
- Corresponding author: 36% of papers
- 5 Highly Cited Papers (#A39, A48, A49, A55, A79).

A99. Zhang, Z., Zhang, H., Li, Y., Li, R., Wu, W., Abdelrahman, H., Wang, J., Al-Solaimani, S., **Antoniadis, V.**, Rinklebe, J., Lee, S.S., Shaheen, S.M. 2023. Mitigation of toxic metal(loid)s mobilization and accumulation in ryegrass using sodium sulfide: Two sites of field investigation. *Science of the Total Environment* 909, 168387.

<https://doi.org/10.1016/j.scitotenv.2023.168387>

A98. Thalassinou, G., Levizou, E., **Antoniadis, V.** 2023. Can soil improvers (biochar, compost, insect frass, lime, and zeolite) achieve phytostabilization of potentially toxic elements in a heavily contaminated soil with the use of purslane (*Portulaca oleracea*)? *Agronomy* 13, 2827.

<https://doi.org/10.3390/agronomy13112827>

A97. **Antoniadis, V.**, Molla, A., Grammenou, A., Apostolidis, V., Athanassiou, C.G., Rumbos, C.I., Levizou, E. 2023. Insect frass as a novel organic soil fertilizer for the

cultivation of spinach (*Spinacia oleracea*): Effects on soil properties, plant physiological parameters and nutrient status. *Journal of Soil Science and Plant Nutrition*.

<https://doi.org/10.1007/s42729-023-01451-9>

(Article in Press)

A96. Chen, Z., Imran, M., Jing, G., Wang, W., Huang, B., Li, Y., Zhang, Y., Yang, Y., Lu, Q., Zhang, Z., **Antoniadis, V.**, Shaheen, S.M., Bolan, N., Rinklebe, J. 2023. Toxic elements pollution risk as affected by various input sources in soils of greenhouses, kiwifruit orchards, cereal fields, and forest/grassland. *Environmental Pollution* 338, 122639.

<https://doi.org/10.1016/j.envpol.2023.122639>

A95. Wang, L., Chen, Y., Lu, X., Fan, X., Yu, B., Lei, K., Fan, P., Zuo, L., Yang, Y., **Antoniadis, V.**, Rinklebe, J. 2023. Source-specific probabilistic risk evaluation of potentially toxic metal(loid)s in fine dust of college campuses based on positive matrix factorization and Monte Carlo simulation. *Journal of Environmental Management* 347, 119056.

<https://doi.org/10.1016/j.jenvman.2023.119056>

A94. Grammenou, A., Petropoulos, S.A., Thalassinos, G., Rinklebe, J., Shaheen, S.M., **Antoniadis, V.** 2023. Biostimulants in the soil-plant interface: Agro-environmental implications-A review. *Earth System and Environment*.

<https://doi.org/10.1007/s41748-023-00349-x>

A93. Thalassinos, G., Petropoulos, S.A., Grammenou, A., **Antoniadis, V.** 2023. Potentially toxic elements: A review on their soil behavior and plant attenuation mechanisms against their toxicity. *Agriculture (MDPI)* 13, 1684.

<https://doi.org/10.3390/agriculture13091684>

A92. Jalali, M., Jalali, M., **Antoniadis, V.** 2023. The release of Cd, Cu, Fe, Mn, Ni, Pb, and Zn from clay loam and sandy loam soils under the influence of various organic amendments and low-molecular-weight organic acids. *Journal of Hazardous Materials* 459, 132111.

<https://doi.org/10.1016/j.jhazmat.2023.132111>

A91. Zhang, X., Jiang, M., He, L., Niazi, N.K., Wang, J., Li, B., Abdelrahman, H., **Antoniadis, V.**, Rinklebe, J., Wang, Z., Shaheen, S.M. 2023. Covid-19 ends but soil pollution increases: Impacts and a new approach for risk assessment. *Science of the Total Environment* 890, 164070.

<https://doi.org/10.1016/j.scitotenv.2023.164070>

A90. Hana, M., Ullah, H., Yang, H., Yu, G., You, S., Liu, J., Chen, B., Shahab, A., **Antoniadis, V.**, Shaheen, S.M., Rinklebe, J. 2023. Cadmium uptake and membrane transport in roots of hyperaccumulator *Amaranthus hypochondriacus* L. *Environmental Pollution* 331, 121846.

<https://doi.org/10.1016/j.envpol.2023.121846>

- A89. Jalali, M., Jalali, M., Beygi, M., Salehi, Z., **Antoniadis, V.** 2023. Available and total phosphorus background levels in soils: A calcareous and semi-arid region. *Environmental Monitoring and Assessment* 195, 600.
<https://doi.org/10.1007/s10661-023-11175-z>
- A88. Shetaya, W.H., Bailey, E.H., Young, S.D., Mohamed, E.F., **Antoniadis, V.**, Rinklebe, J., Shaheen, S.M., Marzouk, E.R. 2023. Soil and plant contamination by potentially toxic and emerging elements and the associated human health risk in some Egyptian environments. *Environmental Geochemistry and Health* 45, 359–379.
<https://doi.org/10.1007/s10653-021-01097-5>
- A87. Thalassinou, G., Petropoulos, S.A., **Antoniadis, V.** 2023. The response of purslane (*Portulaca oleracea*) to soil-added Pb: Is it suitable as a potential phytoremediation species? *Toxics* 11, 153.
<https://doi.org/10.3390/toxics11020153>
- A86. Bolan, S., Kumar, M., **Antoniadis, V.**, Sridharan, S., Tange, Y., Singh, N., Hewawasam, C., Vithanage, M., Singh, L., Rinklebe, J., Song, H., Siddique, K.H.M., Kirkham, M.B., Wang, H., Bolan, N. 2023. Review on distribution and management of potentially toxic elements in medical wastes. *Environmental Pollution* 321, 121080.
<https://doi.org/10.1016/j.envpol.2023.121080>
- A85. Koutroubas, S.D., **Antoniadis, V.**, Damalas, C.A. Fotiadis, S. 2023. Municipal sewage sludge effects on maize yield, nitrogen use efficiency and soil properties. *Journal of Soil Science and Plant Nutrition* 23, 1209-1221.
<https://doi.org/10.1007/s42729-022-01115-0>
- A84. Shaheen, S.M., Mosa, A., Natasha, Jeyasundar, P.G.S.A., Hassan, N.E.E., Yang, X., **Antoniadis, V.**, Li, R., Wang, J., Zhang, T., Niazi, N.K., Shahid, M., Sharma, G., Alessi, D.S., Vithanage, M., Hseu, Z.-Y., Sarmah, A.K., Sarkar, B., Zhang, Z., Hou, D., Gao, B., Wang, H., Bolan, N., Rinklebe, J. 2023. Pros and cons of biochar to soil potentially toxic element mobilization and phytoavailability: Environmental implications—A review. *Earth Systems and Environment* 7, 321-345.
<https://doi.org/10.1007/s41748-022-00336-8>
- A83. Dai, L., Wang, L., Wan, X., Yang, J., Wang, Y., Song, H., Shaheen, S.M., **Antoniadis, V.**, Rinklebe, J. 2022. Potentially toxic elements exposure biomonitoring in the elderly around the largest polymetallic rare earth ore mining and smelting area in China. *Science of the Total Environment* 853, 158635.
<https://doi.org/10.1016/j.scitotenv.2022.158635>
- A82. Ma, J., Li, S.-L., Chen, Y., Yue, F.-J., Shaheen, S.M., Majrashi, A., Ali, E.F., **Antoniadis, V.**, Rinklebe, J., Luo, H., Zheng, Q. 2022. Hazardous toxic metal(loid)s in top- and deep-soils during the transformation of aquaculture ponds restored to farmland. *Science of the Total Environment* 852, 158569.
<https://doi.org/10.1016/j.scitotenv.2022.158569>
- A81. Shaheen, S.M., Mosa, A., Natasha, Abdelrahman, H., Niazi, N.K., **Antoniadis, V.**, Shahid, M., Song, H., Kwon, E.E., Rinklebe, J. 2022. Removal of toxic elements

from aqueous environments using nano zero-valent iron- and iron oxide-modified biochar: A review. *Biochar* 4, 24.

<https://doi.org/10.1007/s42773-022-00149-y>

A80. **Antoniadis, V.**, Thalassinos, G., Levizou, E., Wang, J., Wang, S.-L., Shaheen, S.M., Rinklebe, J. 2022. Hazardous enrichment of toxic elements in soils and olives in the urban zone of Lavrio, Greece, a legacy, millennia-old silver/lead mining area and related health risk assessment. *Journal of Hazardous Materials* 434, 128906. <https://doi.org/10.1016/j.jhazmat.2022.128906>

A79. Mehmood, S., Ahmed, W., Alatalo, J.M., Mahmood, M., Imtiaz, M., Esmat, Ditta, A., Ali, E.F., Abdelrahman, M., Slaný, M., **Antoniadis, V.**, Rinklebe, J., Shaheen, S.M., Lia, W. 2022. Herbal plants- and rice straw-derived biochars reduced metal mobilization in fishpond sediments and improved their potential as fertilizers. *Science of the Total Environment* 806, 154043. <https://doi.org/10.1016/j.scitotenv.2022.154043>

(Highly cited paper)

A78. Wang, X., Wang, L., Zhang, Q., Liang, T., Li, J., Hansen, H.C.B., Shaheen, S.M., **Antoniadis, V.**, Bolan, N., Rinklebe, J. 2022. Integrated assessment of the impact of land use types on soil pollution by potentially toxic elements and the associated ecological and human health risk. *Environmental Pollution* 299, 118911. <https://doi.org/10.1016/j.envpol.2022.118911>

A77. Lashen, Z.M., Shams, M.S., El-Sheshtawy, H.S., Slaný, M., **Antoniadis, V.**, Yang, X., Sharma, G., Rinklebe, J., Shaheen, S.M., Elmahdy, S.M. 2022. Remediation of Cd and Cu contaminated water and soil using novel nanomaterials derived from sugar beet processing- and clay brick factory-solid wastes. *Journal of Hazardous Materials* 428, 128205. <https://doi.org/10.1016/j.jhazmat.2021.128205>

A76. Farid, I.M., Siam, H.S., Abbas, M.H.H., Mohamed, I., Mahmoud, S.A., Tolba, M., Abbas, H.H., Yang, X., **Antoniadis, V.**, Rinklebe, J., Shaheen, S.M. 2022. Co-composted biochar derived from rice straw and sugarcane bagasse improved soil properties, carbon balance, and zucchini growth in a sandy soil: A trial for enhancing the health of low fertile arid soils. *Chemosphere* 292, 1333389. <https://doi.org/10.1016/j.chemosphere.2021.133389>

A75. Shaheen, S.M., **Antoniadis, V.**, Shahid, M., Yang, Y., Abdelrahman, H., Zang, T., Hassan, N.E., Bibi, I., Niazi, N.K., Younis, S.A., Almazroui, M., Tsang, Y.F., Sarmah, A., Kim, K.-H. Rinklebe, J. 2022. Sustainable applications of rice feedstock in agro-environmental and construction sectors: A global perspective. *Renewable and Sustainable Energy Reviews* 153, 111791. <https://doi.org/10.1016/j.rser.2021.111791>

A74. Thalassinos, G., Nastou, E., Petropoulos, S., **Antoniadis, V.** 2022. Soil dynamics of Cr(VI) and responses of *Portulaca oleracea* grown in a Cr(VI)-spiked soil under different nitrogen fertilization regimes. *Environmental Science and Pollution Research* 29, 14469-14478.

<https://doi.org/10.1007/s11356-021-16413-w>

A73. Shetaya, W.H., Bailey, E.H., Marzouk, E.R., Young, S.D., Mohamed, E.F., El-Mekawy, A., Abdel-Latif, N.M., **Antoniadis, V.**, Rinklebe, J., Shaheen, S.M. 2022. Soil and plant contamination by potentially toxic and emerging elements and the associated human health risk in some Egyptian environments. *Environmental Geochemistry and Health* 45, 359-379.

<https://doi.org/10.1007/s10653-021-01097-5>

A72. Thalassinou, G., **Antoniadis, V.** 2021. Monitoring potentially toxic element pollution in three wheat-grown areas with a long history of industrial activity and assessment of their effect on human health in central Greece. *Toxics* (MDPI) 9, 293.

<https://doi.org/10.3390/toxics9110293>

A71. Jalali, M., **Antoniadis, V.**, Najafnia, S. 2021. Assessment of trace element pollution in Iranian agricultural soils: A review. *Environmental Monitoring and Assessment* 193, 823.

<https://doi.org/10.1007/s10661-021-09498-w>

A70. Younis, S.A., Kim, K.-H., Shaheen, S.M., **Antoniadis, V.**, Tsang, Y.F., Rinklebe, J., Deep, A., Brown, R.J. 2021. Advancements of nanotechnologies in crop promotion and soil fertility: Benefits, life cycle assessment, and legislation policies. *Renewable and Sustainable Energy Reviews* 152, 111686.

<https://doi.org/10.1016/j.rser.2021.111686>

A69. Mensah, A.K., Marschner, B., **Antoniadis, V.**, Shaheen, S.M., Stemm, E., Rinklebe, J. 2021. Human health risk via soil ingestion of potentially toxic elements and remediation potential of native plants near an abandoned mine spoil in Ghana. *Science of the Total Environment* 798, 149272.

<https://doi.org/10.1016/j.scitotenv.2021.149272>

A68. Thalassinou, G., Nastou, E., Petropoulos, S., **Antoniadis, V.** 2021. Nitrogen effect on growth-related parameters and evaluation of *Portulaca oleracea* as a phytoremediation species in a Cr(VI)-spiked soil. *Horticulturae* (MDPI) 7, 192.

<https://doi.org/10.3390/horticulturae7070192>

A67. Gul, I., Manzoor, M., Hashim, N., Shah, G.M., Waani, S.P.T., Shahid, M., **Antoniadis, V.**, Rinklebe, J., Arshad, M. 2021. Challenges in microbially and chelate-assisted phytoextraction of cadmium and lead – A review. *Environmental Pollution* 287, 117667.

<https://doi.org/10.1016/j.envpol.2021.117667>

A66. Jalali, M., Jalali, M., **Antoniadis, V.** 2021. Impact of sewage sludge, nanoparticles, and clay minerals addition on cucumber growth, phosphorus uptake, soil phosphorus status, and potential risk of phosphorus loss. *Environmental Technology and Innovation* 23, 101702.

<https://doi.org/10.1016/j.eti.2021.101702>

A65. Azeem, M., Ali, A., Jeyasundar, P.G.S.A., Bashir, S., Li, K. Hussain, Q., Li, R., Ali, E.F., Li, G., **Antoniadis, V.**, Rinklebe, J., Shaheen, S.M., Li, G., Zhang, Z. 2021.

Effects of sheep bone biochar on soil quality, maize growth, and fractionation and phytoavailability of Cd and Zn in mining contaminated soils. *Chemosphere* 282, 131016.

<https://doi.org/10.1016/j.chemosphere.2021.131016>

A64. Jeyasundara, P.G.S.A., Ali, A., Azeem, M., Li, Y., Guo, D., Sikdar, A., Abdelrahman, H., Kwon, E., **Antoniadis, V.**, Mani, V.M., Shaheen, S.M., Rinklebe, J., Zhang, Z. 2021. Green remediation of toxic metals contaminated mining soil using bacterial consortium and *Brassica juncea*. *Environmental Pollution* 277, 116789.

<https://doi.org/10.1016/j.envpol.2021.116789>

A63. Ali, A., Guo, D., Li, Y., Shaheen, S.M., Wahid, F., **Antoniadis, V.**, Abdelrahman, H., Al-Solaimani, S.G., Li, R., Tsang, D.C.W., Rinklebe, J., Zhang, Z. 2021. *Streptomyces pactum* addition to contaminated soils improved soil quality and plant growth and enhanced metals phytoextraction: A trial for green remediation and sustainable management of mining soils. *Chemosphere* 273, 129692.

<https://doi.org/10.1016/j.chemosphere.2021.129692>

A62. **Antoniadis, V.**, Shaheen, S.M., Stärk, H.-J., Wennrich, R., Levizou, E., Merbach, I., Rinklebe, J. 2021. Phytoremediation potential of twelve wild plant species for toxic elements in a contaminated soil. *Environment International* 146, 106233.

<https://doi.org/10.1016/j.envint.2020.106233>

A61. **Antoniadis, V.**, Golia, E.E. 2021. Spatial and temporal assessment of cadmium and chromium contamination in soils in the Karditsa region (Central Greece). *Environmental Science and Pollution Research* 28, 3820-3827.

<https://doi.org/10.1007/s11356-020-09273-3>

A60. Golia, E.E., Tsiropoulos, N., Vleioras, S., **Antoniadis, V.** 2020. Investigation of extraction methods for the assessment of the pseudo-total concentration of potentially toxic elements in moderately contaminated soils of central Greece. *Water, Air and Soil Pollution* 231, 484.

<http://doi.org/10.1007/s11270-020-04849-8>

A59. Koutroubas, S.D., **Antoniadis, V.**, Damalas, D.A., Fotiadis, S. 2020. Sunflower growth and yield response to sewage sludge under contrasting water availability environments. *Industrial Crops and Products* 154, 112670.

<https://doi.org/10.1016/j.indcrop.2020.112670>

A58. Ma, J., Chen, Y.-P., **Antoniadis, V.**, Wang, K., Wang, Y., Wu, C., Tian, H. 2020. Assessment of heavy metal(loid)s contamination risk and grain nutritional quality in organic waste-amended soil. *Journal of Hazardous Materials* 399, 123095.

<https://doi.org/10.1016/j.jhazmat.2020.123095>

A57. Petropoulos, S., Ângela Fernandes, A., Xyrafis, E., Polyzos, N., **Antoniadis, V.**, Barros, L., Ferreira, I.C.F.R. 2020. The optimization of nitrogen fertilization regulates crop performance and quality of processing tomato (*Solanum lycopersicum* L. cv. Heinz 3402). *Agronomy* (MDPI) 10, 715.

<https://doi.org/10.3390/agronomy10050715>

A56. Koutroubas, S.D., **Antoniadis, V.**, Damalas, D.A., Fotiadis, S. 2020. Sewage sludge influences nitrogen uptake, translocation, and use efficiency in sunflower. *Journal of Soil Science and Plant Nutrition* 204, 1912-1922.

<https://doi.org/10.1007/s42729-020-00262-6>

A55. Amen, R., Bashir, H., Bibi, I., Shaheen, S.M., Niazi, N.K., Shahid, M., Hussain, M.M., **Antoniadis, V.**, Shakoor, M.B., Al-Solaimani, S.G., Wang, H., Bundschuh, J., Rinklebe, J. 2020. A critical review on arsenic removal from water using biochar-based sorbents: The significance of modification and redox reactions. *Chemical Engineering Journal* 396, 125195.

<https://doi.org/10.1016/j.cej.2020.125195>

(Highly cited paper)

A54. Petropoulos, S.A., Fernandes, A., Polyzos, N., Barros, L., **Antoniadis, V.**, Ferreira, I.C.F.R. 2020. The impact of fertilization regime on crop performance and chemical composition of potato (*Solanum tuberosum* L.) cultivated in central Greece. *Agronomy* (MDPI) 10, 474.

<https://doi.org/10.3390/agronomy10040474>

A53. Shaheen, S.M., **Antoniadis, V.**, Kwon, E., Song, H., Wang, S.-L., Hseu, Z.-Y., Rinklebe, J. 2020. Soil contamination by potentially toxic elements and the associated human health risk in geo- and anthropogenic contaminated soils: A case study from the temperate region (Germany) and the arid region (Egypt). *Environmental Pollution* 262, 114312.

<https://doi.org/10.1016/j.envpol.2020.114312>

A52. Shaheen, S.M., El-Naggar, A., **Antoniadis, V.**, Moghanm, F.S., Zhang, Z., Tsang, D.C.W., Ok, Y.S., Rinklebe, J. 2020. Release of toxic elements in fishpond sediments under dynamic redox conditions: Assessing the potential environmental risk for a safe management of fisheries systems and degraded waterlogged sediments. *Journal of Environmental Management* 225, 109778.

<https://doi.org/10.1016/j.jenvman.2019.109778>

A51. Matin, N.H., Jalali, M., **Antoniadis, V.**, Shaheen, S.M., Wang, J., Zhang, T., Wang, H., Rinklebe, J. 2020. Almond and walnut shell-derived biochars affect sorption-desorption, fractionation, and release of phosphorus in two different soils. *Chemosphere* 241, 124888.

<https://doi.org/10.1016/j.chemosphere.2019.124888>

A50. Feizi, M., Jalali, M., **Antoniadis, V.**, Shaheen, S.M., Ok, Y.S., Rinklebe, J. 2019. Geo- and nano-materials affect the mono-metal and competitive sorption of Cd, Cu, Ni, and Zn in a sewage sludge-treated alkaline soil. *Journal of Hazardous Materials* 379, 120567.

<https://doi.org/10.1016/j.jhazmat.2019.04.050>

A49. **Antoniadis, V.**, Shaheen, S.M., Levizou, E., Shahid, M., Niazi, N.B., Vithanage, M., Ok, Y.S., Bolan, N., Rinklebe, J. 2019. A critical prospective analysis of the potential toxicity of trace element regulation limits in soils worldwide: Are they

protective concerning health risk assessment?—A review. *Environment International* 127, 819-847.

<https://doi.org/10.1016/j.envint.2019.03.039>

(Highly Cited Paper)

A48. Rinklebe, J., **Antoniadis, V.**, Shaheen, S.M., Rosche, O., Altermann, M. 2019. Health risk assessment of potentially toxic element with the aid of indices on the example of soils along the Central Elbe River as a model region. *Environment International* 126, 76-88.

<https://doi.org/10.1016/j.envint.2019.02.011>

(Highly Cited Paper)

A47. Shaheen, S.M., Balbaa, A.A., Khatab, A.M., **Antoniadis, V.**, Wang, J., Rinklebe, J. 2019. Biowastes alone and combined with sulfur affect the phytoavailability of Cu and Zn to barnyard grass and sorghum in a fluvial alkaline soil: A trial for metal phytomanagement under dry and wet conditions. *Journal of Environmental Management* 243, 440-447.

<https://doi.org/10.1016/j.jenvman.2018.12.106>

A46. **Antoniadis, V.**, Golia, E.E., Liu, W.-T., Wang, S.-L., Shaheen, S.M., Rinklebe, J. 2019. Soil and maize contamination by trace elements and associated health risk assessment the industrial area of Volos, Greece. *Environment International* 124, 79-88.

<https://doi.org/10.1016/j.envint.2018.12.053>

A45. Levizou, E., Zanni, A., **Antoniadis, V.** 2019. Varying concentrations of soil Cr(VI) for the exploration of tolerance thresholds and phytoremediation potential of the stress-experienced *Origanum vulgare*. *Environmental Science and Pollution Research* 26, 14-23.

<https://doi.org/10.1016/j.jenvman.2018.12.106>

A44. **Antoniadis, V.**, Shaheen, S.M., Selim, M., Tsadilas, C.D., Rinklebe, J. 2018. Zinc sorption by different soils as affected by selective removal of carbonates and hydrous oxides. *Applied Geochemistry* 88, 49-58.

<https://doi.org/10.1016/j.apgeochem.2017.04.007>

A43. **Antoniadis, V.**, Zanni, A.A., Levizou, E. Shaheen, S.M., Dimirkou, A., Bolan, N., Rinklebe, J. 2018. Modulation of hexavalent chromium toxicity on *Origanum vulgare* in an acidic soil amended with peat, lime and zeolite. *Chemosphere* 195, 291-300.

<https://doi.org/10.1016/j.chemosphere.2017.12.069>

A42. Petropoulos, S., Fernandes, A., Karkanis, A., **Antoniadis, V.**, Barros, L., Ferreira, I.C.F.R. 2018. Nutrient solution composition and growing season affect yield and chemical composition of *Cichorium spinosum* plants. *Scientia Horticulturae* 231C, 97-107.

<https://doi.org/10.1016/j.scienta.2017.12.022>

- A41. Petropoulos, S., Fernandes, A., **Antoniadis, V.**, Ntatsi, G., Barros, L., Ferreira, I.C.F.R.. 2018. Chemical composition and antioxidant activity of *Cichorium spinosum* L. leaves in relation to developmental stage. *Food Chemistry* 239, 946-952.
<https://doi.org/10.1016/j.foodchem.2017.07.043>
- A40. Golia, E.E., Fuleky, G., Dimirkou, A., **Antoniadis, V.**, Tsiropoulos, N., Gizas, G. 2017. Influence of zeolite and *Posidonia oceanica* L. in reduction of heavy metals uptake by tobacco (*Nicotiana tabacum*) in Cental Greece. *Water, Air and Soil Pollution* 228, 324.
<https://doi.org/10.1007/s11270-017-3522-2>
- A39. **Antoniadis, V.**, Levizou, E., Shaheen, S.M., Ok, Y.S., Sebastian, A., Baum, C., Prasad, M.N.V., Wenzel, W.W., Rinklebe, J. 2017. Trace elements in the soil-plant interface: Phytoavailability, translocation, and phytoremediation—A review. *Earth-Science Reviews* 171, 621-645.
<https://doi.org/10.1016/j.earscirev.2017.06.005>
(Highly Cited Paper)
- A38. **Antoniadis, V.**, Koutroubas, S.D., Fotiadis, S. 2017. Phosphorus availability in *Lolium perenne* L. in acidic and limed soils. *Communications in Soil Science and Plant Analysis* 48, 1336-1342.
<https://doi.org/10.1080/00103624.2017.1358737>
- A37. Shaheen, S.M., **Antoniadis, V.**, Biswas, J.K., Wang, H., Ok, Y.S., Rinklebe, J. 2017. Biosolids application affects the competitive sorption and lability of cadmium, copper, nickel, lead, and zinc in fluvial and calcareous soils. *Environmental Geochemistry and Health* 39, 1365-1379.
<https://doi.org/10.1007/s10653-017-9927-4>
- A36. **Antoniadis, V.**, Petropoulos, S., Golia, E., Koliniati, R. 2017. Effect of phosphorus addition on onion plants in 13 soils of varying degree of weathering. *Journal of Plant Nutrition* 40, 2054-2062.
<https://doi.org/10.1080/01904167.2017.1346125>
- A35. **Antoniadis, V.**, Golia, E.E., Polyzois, T., Petropoulos, S. 2017. Hexavalent chromium availability and phytoremediation potential of *Cichorium spinosum* as affected by manure, zeolite and soil ageing. *Chemosphere* 171, 729-734.
<https://doi.org/10.1016/j.chemosphere.2016.11.146>
- A34. **Antoniadis, V.**, Golia, E.E., Shaheen, S.M., Rinklebe, J. 2017. Bioavailability and health risk assessment of potentially toxic elements in Thriasio Plain, near Athens, Greece. *Environmental Geochemistry and Health* 39, 319-330.
<https://doi.org/10.1007/s10653-016-9882-5>
- A33. **Antoniadis, V.**, Shaheen, S.M., Boersch, J., Frohne, T., Du Laing, G., Rinklebe, J. 2017. Bioavailability and risk assessment of potentially toxic elements in garden edible vegetables and soils around a highly contaminated former mining area in Germany. *Journal of Environmental Management* 186, 192-200.
<https://doi.org/10.1016/j.jenvman.2016.04.036>

- A32. Levizou, E., **Antoniadis, V.**, Papatheodorou, S. 2016. Without exceeding the limits: industrial soil rich in Zn and Cd has no effect on purslane and lettuce but promotes geranium growth. *Environmental Earth Sciences* 75, 1256.
<https://doi.org/10.1007/s12665-016-6070-y>
- A31. Petropoulos, S.A., Ntatsic, G., Fernandes, Â., Barros, L., Barreira, J.C.M., Ferreira, I.C.F.R., **Antoniadis, V.** 2016. Long-term storage effect on chemical composition, nutritional value and quality of Greek onion landrace “Vatikiotiko.” *Food Chemistry* 201, 168-176.
<https://doi.org/10.1016/j.foodchem.2016.01.095>
- A30. Koutroubas, S.D., **Antoniadis, V.**, Damalas, C. 2016. Effect of organic manure on grain yield and on nutrient accumulation, translocation and use of Mediterranean wheat. *Agronomy Journal* 108, 1-11.
<https://doi.org/10.2134/agronj2015.0328>
- A29. **Antoniadis, V.**, Koliniati, R., Efstratiou, E., Golia, E.E., Petropoulos, S. 2016. Effect of soils with varying degree of weathering and pH values on phosphorus sorption. *Catena* 139, 214-219.
<https://doi.org/10.1080/01904167.2017.1346125>
- A28. **Antoniadis, V.**, Golia, E.E. 2015. Sorption of Cu and Zn in low organic matter-soils as influenced by soil properties and by the degree of soil weathering. *Chemosphere* 138, 364-269.
<https://doi.org/10.1016/j.chemosphere.2015.06.037>
- A27. **Antoniadis, V.**, Hatzis, F., Bachtsevanidis, D., Koutroubas, S.D. 2015. Phosphorus availability in low-P and acidic soils as affected by liming and P addition. *Communications in Soil Science and Plant Analysis* 46, 1288-1298.
<https://doi.org/10.1080/00103624.2015.1033539>
- A26. **Antoniadis, V.**, Koutroubas, S.D., Fotiadis, S. 2015. Nitrogen, phosphorus and potassium availability in manure- and sludge-applied soil. *Communications in Soil Science and Plant Analysis* 46, 393-404.
<https://doi.org/10.1080/00103624.2014.983241>
- A25. Koutroubas, S.D., **Antoniadis, V.**, Fotiadis, S., Damalas, C.A. 2014. Growth, grain yield, and nitrogen use efficiency of Mediterranean wheat in soils amended with municipal sewage sludge. *Nutrient Cycling in Agroecosystems* 100, 227-243.
<https://doi.org/10.1007/s10705-014-9641-x>
- A24. Shaheen, S.M., Shams, M.S., Ibrahim, S.M., Elbehiry, F.A., **Antoniadis, V.**, Hooda, P. 2014. Stabilization of sewage sludge by using various by-products: Effects on soil properties, biomass production, and bioavailability of copper and zinc. *Water, Air and Soil Pollution* 225, 2014.
<https://doi.org/10.1007/s11270-014-2014-x>
- A23. **Antoniadis, V.**, Damalidis, K. 2014. Copper availability in an acidic and limed zeolite-amended soil. *Communications in Soil Science and Plant Analysis* 45, 881-886.
<https://doi.org/10.1080/00103624.2014.882351>

A22. Paparnakis, A., Chatzissavvidis, C., **Antoniadis, V.** 2013. How apple responds to boron excess in an acidic and limed soil. *Journal of Soil Science and Plant Nutrition* 13, 787-796.

A21. **Antoniadis, V.** 2013. Mineralization of organic amendment-derived nitrogen in two Mediterranean soils with different organic matter content. *Communications in Soil Science and Plant Analysis* 44, 2788-2795.
<https://doi.org/10.1080/00103624.2013.815199>

A20. **Antoniadis, V.**, Chatzissavvidis, C., Paparnakis, A. 2013. Boron behavior in apple plants in acidic and limed soil. *Journal of Plant Nutrition and Soil Science* 176, 267-272.
<https://doi.org/10.1002/jpln.201100366>

A19. Ioannou, Z., Karassavidis, C., Dimirkou, A., **Antoniadis, V.** 2013. Adsorption of methylene blue and methyl red dyes from aqueous solutions onto modified zeolites. *Water Science and Technology* 67, 1129-1136.
<https://doi.org/10.2166/wst.2013.672>

A18. **Antoniadis, V.**, Anagnostopoulou, V., Theodorou, K., Koutroubas, S.D. 2013. Development of a simplified model for nitrogen fertilizer recommendation for maize, wheat and sunflower. *Communications in Soil Science and Plant Analysis* 44, 62-79.
<https://doi.org/10.1080/00103624.2012.734115>

A17. **Antoniadis, V.**, Damalidis, K. Koutroubas, S.D. 2012. Nitrogen and phosphorus availability to ryegrass in an acidic and limed zeolite-amended soil. *Agrochimica* 56, 309-318.

A16. Molla, K., Dimirkou, A., **Antoniadis, V.** 2012. Hexavalent chromium dynamics and uptake in manure-added soil. *Water, Air and Soil Pollution* 223, 6059-6067.
<https://doi.org/10.1007/s11270-012-1340-0>

A15. **Antoniadis, V.**, Damalidis, K., Dimirkou, A. 2012. Availability of Cu and Zn in an acidic sludge-amended soil as affected by zeolite application and liming. *Journal of Soils and Sediments* 12, 396-401.
<https://doi.org/10.1007/s11368-011-0446-0>

A14. **Antoniadis, V.**, Tsadilas, C.D., Samaras, V. 2010. Trace element availability in a sewage sludge-amended cotton grown Mediterranean soil. *Chemosphere* 80, 1308-1313.
<https://doi.org/10.1016/j.chemosphere.2010.06.047>

A13. **Antoniadis, V.**, Tsadilas, C.D., Dalias, P. 2010. Evaluation of sewage sludge as a soil amendment in relation to nitrate leaching. *Agrochimica* 54, 91-102.

A12. **Antoniadis, V.** 2008. Sewage sludge application and soil properties effects on short-term zinc leaching in soil columns. *Water, Air, and Soil Pollution* 190, 35-43.
<https://doi.org/10.1007/s11270-007-9577-8>

- A11. **Antoniadis, V.**, Robinson, J.S., Alloway, B.J. 2008. Effects of short-term pH fluctuations on cadmium, nickel, lead, and zinc availability to ryegrass in a sewage sludge-amended field. *Chemosphere* 71, 759–764.
<https://doi.org/10.1016/j.chemosphere.2007.10.015>
- A10. **Antoniadis, V.**, Tsadilas, C.D. 2007. Sorption of cadmium, nickel, and zinc in mono- and multimetal systems. *Applied Geochemistry* 22, 2375–2380.
<https://doi.org/10.1016/j.apgeochem.2007.06.001>
- A9. **Antoniadis, V.**, Tsadilas, C.D., Ashworth, D. 2007. Monometal and competitive adsorption of heavy metals by sewage sludge-amended soil. *Chemosphere* 68, 489–494.
<https://doi.org/10.1016/j.chemosphere.2006.12.062>
- A8. **Antoniadis, V.**, Tsadilas, C.D., Stamatiadis, S. 2007. Effect of dissolved organic carbon on zinc solubility in incubated biosolids-amended soils. *Journal of Environmental Quality* 36, 379–385.
<https://doi.org/10.2134/jeq2006.0374>
- A7. **Antoniadis, V.**, McKinley, J.D., Zuhairi, W.Y.W. 2007. Single-element and competitive metal mobility measured with column infiltration and batch tests. *Journal of Environmental Quality* 36, 53–60.
<https://doi.org/10.2134/jeq2006.0134>
- A6. **Antoniadis, V.**, McKinley, J.D. 2003. Measuring heavy metal migration rates in a low permeability soil. *Environmental Chemistry Letters* 1, 103–106.
<https://doi.org/10.1007/s10311-002-0019-y>
- A5. **Antoniadis, V.**, Alloway, B.J. 2003. Evidence of heavy metal movement down the profile of a heavily sludged soil. *Communications in Soil Science and Plant Analysis* 34, 1225–1231.
<https://doi.org/10.1081/CSS-120020439>
- A4. **Antoniadis, V.**, Alloway, B.J. 2002. The role of dissolved organic carbon in the mobility of Cd, Ni and Zn in sewage sludge-amended soils. *Environmental Pollution* 117, 515–521.
[https://doi.org/10.1016/S0269-7491\(01\)00172-5](https://doi.org/10.1016/S0269-7491(01)00172-5)
- A3. **Antoniadis, V.**, Alloway, B.J. 2002. Leaching of Cd, Ni and Zn down the profile of a sewage sludge-treated soil. *Communications in Soil Science and Plant Analysis* 33, 273–286.
<https://doi.org/10.1081/CSS-120002393>
- A2. **Antoniadis, V.**, Alloway, B.J. 2001. Availability of Cd, Ni and Zn to ryegrass in sewage sludge-treated soils at different temperatures. *Water, Air and Soil Pollution* 132, 201–214.
<https://doi.org/10.1007/s11368-011-0446-0>

A1. Matsi, T., **Antoniadis, V.**, Barbayiannis, N. 2000. Evaluation of the NH_4HCO_3 -DTPA soil test for assessing boron availability to wheat. *Communications in Soil Science and Plant Analysis* 31, 669–678.

<https://doi.org/10.1080/00103620009370468>

B. Book Chapters and Papers in Journals without Impact Factor

B12. Shaheen, S.M., **Antoniadis, V.**, Rinklebe, J. 2023. Chapter 11: Vanadium in soils and plants: Sources, chemistry, potential risk, and remediation approaches. In Naidu, R. (Ed.) *Inorganic Contaminants and Radionuclides*. Elsevier. pp. 249-282.

<https://doi.org/10.1016/B978-0-323-90400-1.00009-4>

B11. **Antoniadis, V.**, Shaheen, S.M., Levizou, E., Rinklebe, J. 2022. Critical limits and health risk assessment of vanadium in soils of various countries of the world. In: Rinklebe, J. (Ed.) *Vanadium in Soil and Plants*. CRC Press, Boca Raton, pp. 33-47.

<https://doi.org/10.1201/9781003173274-2>

B10. Rinklebe, J., **Antoniadis, V.**, Shaheen, S.M. 2022. Redox chemistry of vanadium in soils and sediments: Biochemical factors governing the redox-induced mobilization of vanadium in soils. In: Rinklebe, J. (Ed.) *Vanadium in Soil and Plants*. CRC Press, Boca Raton, pp. 95-111.

<https://doi.org/10.1201/9781003173274-5>

B9. Mondal, M.H., Begum, W., Nasrollahzadeh, M., Ghorbannezhad, F., **Antoniadis, V.**, Levizou, E., Saha, B. 2021. A comprehensive review on chromium chemistry along with detection, speciation, extraction and remediation of hexavalent chromium in contemporary science and technology. *Vietnam Journal of Chemistry* 59, 711-732.

<https://doi.org/10.1002/vjch.202100048>

B8. Nastou, E., Thalassinos, G., Polyzos, N., **Antoniadis, V.**, Petropoulos, S.A. 2021. The effect of nitrogen fertilization rate on growth and physiological parameters of three purslane genotypes grown in a soilless cultivation system. *Acta Horticulturae* 1321, 125-132.

<https://doi.org/10.17660/ActaHortic.2021.1321.16>

B7. **Antoniadis, V.**, Shaheen, S.M., Levizou, E., Rinklebe, J. 2020. International trace element regulation limits in soil. In: Ok, Y.S., Rinklebe, J., Hou, D., Tsang, D.C.W., and Tack, F.M.G. *Soil and Groundwater Remediation Technologies: A Practical Guide*. CRC Press, Taylor and Francis Group, Boca Raton, pp. 31-40.

B6. Petropoulos, S.A., Fernandes, A., **Antoniadis, V.**, Plexida, S., Barros, L., Ferreira, I.C.F.R. 2019. Chemical composition and yield of onion under different fertilizer regimes. *Acta Horticulturae* 1251, 73-80.

<https://doi.org/10.17660/ActaHortic.2019.1251.9>

B5. Petropoulos, S.A., Fernandes, Â., Barros, L., Barreira, J.C.M., Ferreira, I.C.F.R., Ntatsi, G., **Antoniadis, V.** 2016. Effect of storage on quality features of local onion landrace 'Vatikiotiko'. *Acta Horticulturae* 1143, 125-131.

<https://doi.org/10.17660/ActaHortic.2016.1143.18>

B4. Tsiakaras, G., Petropoulos, S., **Antoniadis, V.** 2016. The effect of organic and

inorganic fertilization on the development and yield of three brassica species. *Agriculture and Forestry* 62, 71-76.

B3. **Antoniadis, V.**, Koliniati, R., Golia, E., Petropoulos, S. 2014. Effect of soil properties on phosphorus sorption in 13 soils with varying degree of weathering. *Kazakh Journal of Soil Science* 4, 64-69.

B2. Tsadilas, C.D., Tsantila, E., Stamatiadis, S., **Antoniadis, V.**, Samaras, V. 2006. Influence of fly ash application on heavy metal forms and their availability. In: Prasad, M.N.V., Sajwan, K., and Naidu, R. (Eds.) *Trace Elements in the Environment*. CRC Press, Taylor and Francis Group, Boca Raton, pp. 63–76.

B1. **Antoniadis, V.**, Tsadilas, C.D., Samaras, V., Sgouras, I. 2006. Availability of heavy metals applied to the soil through sewage sludge. In: Prasad, M.N.V., Sajwan, K., and Naidu, R. (Eds.) *Trace Elements in the Environment*. CRC Press, Taylor and Francis Group, Boca Raton, pp. 39–62.

C. Presentations in International Conferences

C49. Thalassinos, G., Levizou, E., **Antoniadis, V.** 2023. Cadmium uptake by oregano (*Origanum vulgare*): Is added nitrogen helpful to boost the plant's ability? *1st Joint Internatiooon Conference in Wuppertal, Germany. ICOBTE/ICHMET 2023: Clean Environment. Human Health. Our Future.* 6-9 September 2023, Wuppertal, Germany.

C48. Thalassinos, G., Levizou, E., **Antoniadis, V.** 2023. Releasing soil agents for increasing the bioavailability to purslane (*Portulaca oleraceae*) of Cd and Pb in a heavily contaminated soil. *1st Joint Internatiooon Conference in Wuppertal, Germany. ICOBTE/ICHMET 2023: Clean Environment. Human Health. Our Future.* 6-9 September 2023, Wuppertal, Germany.

C47. Thalassinos, G., Levizou, E., Batsila, A., **Antoniadis, V.** 2021. *Origanum vulgare* cultivated in Cd-spiked soil as effected by nitrogen: Biomass production and Cd tissue content. *Proceedings of the 8th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2021) and the Society of Ecotoxicology and Environmental Safety (SECOTOX)*, July 20-24 July 2021, Thessaloniki, Greece, pp. 360-367.

C46. Papadimou, S., Golia, E.E., Cavalaris, C., Kantzou, O.D., Chartodiplomenou, A.M., Tsiropoulos, N.G., Thalassinos, G., **Antoniadis, V.** 2021. Spatial and temporal variability of copper, lead and zinc in urban soils of Volos (central Greece). *Proceedings of the 8th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2021) and the Society of Ecotoxicology and Environmental Safety (SECOTOX)*, July 20-24 July 2021, Thessaloniki, Greece, p. 568.

C45. Thalassinos, G., Nastou, E., Petropoulos, S., **Antoniadis, V.** 2020. Cultivation of *Portulaca oleracea* plants in Cr(VI) spiked soil. *Proceedings of the 1st International Conference on Enironmental Design (ICED2020)*, 24-25 October 2020, Athens, Greece (virtual), pp. 369-372.

- C44. Golia, E.E., Chartodiplomenou, M.A., Kantzou, O.D., Lakiotis, K., Zounta, D., Thalassinos, G., **Antoniadis, V.** 2020. Monitoring the levels of Cu and Cd in urban soils and bitter orange tree leaves as bioindicator of the pollution in the city of Volos. GreenChem6 Conference 2020, Thessaloniki, 20-22 September 2020.
- C43. Golia, E.E., Papadimou, S., Kantzou, O.D., Chartodiplomenou, M.A., Lakiotis, K., Zounta, D., Kavalaris, C., Thalassinos, G., **Antoniadis, V.** 2020. Study of heavy metal levels in central areas of the city of Volos, Greece. GreenChem6 Conference 2020, Thessaloniki, 20-22 September 2020.
- C42. Golia, E.E., Lakiotis, K., Zounda, D., Mamaloudis, X., Parharidou, K., **Antoniadis, V.** 2019. Levels of potentially toxic elements in urban soils of Volos (central Greece). *Book of Abstracts of the 19th Symposium on Toxicity Assessment (ISTA 19)*, Thessaloniki, Greece, 25-30 August 2019.
- C41. Golia, E.E., Lakiotis, K., Zounda, D., Kantzou, O., Chartodiplomenou, M.A., Thalassinos, G., **Antoniadis, V.** 2019. Tree leaves as bioindicator of potentially toxic elements pollution in Volos city (central Greece). *Book of Abstracts of the 19th Symposium on Toxicity Assessment (ISTA 19)*, Thessaloniki, Greece, 25-30 August 2019.
- C40. Golia, E.E., **Antoniadis, V.**, Angelaki, A., Skoufogianni, E., Bartzialis, D., Vleioras, S. 2018. Study of the reduction of heavy metal concentrations in vegetables using mixtures of compost (*Oceanica polidonia* (L.)) and zeolite. *Proceedings of the 5th International Conference on Small and Decentralized Water and Wastewater Treatment Plants (SWAT5)*, 26-29 August 2018, Thessaloniki, pp. 304-310.
- C39. Mamaloudis, C., **Antoniadis, V.**, Golia, E.E., Dimirkou, A. 2018. Measurement of soils properties and heavy metal levels in the industrial area of Volos. *Proceedings of the 5th International Conference on Small and Decentralized Water and Wastewater Treatment Plants (SWAT5)*, 26-29 August 2018, Thessaloniki, pp. 298-303.
- C38. Liava, V., Karkanis, A., Golia, E., **Antoniadis, V.**, Tsiropoulos, N. 2018. Influence of agricultural byproducts use as organic amendments to the pesticides behavior in soil. *Proceedings of the 5th International Symposium on Green Chemistry, Sustainable Development and Circular Economy*, Skiathos, Greece, September 30-October 3, 2018, p. 49.
- C37. Koutroubas, S.D., Damalas, C.A., **Antoniadis, V.**, Fotiadis, S. 2018. The use of municipal sewage sludge in agriculture: the case of sunflower crop. *Book Abstracts of the ESA2018, XV European Society for Agronomy Congress*, 27-31 August, Geneva, Switzerland, p. 160.
- C36. Levizou, E., Kostakos, E., Papanikolopoulos, A., Tsiknidis, M., **Antoniadis, V.** 2017. Growth and physiological effects of increased Pb on an aromatic herb, *Origanum vulgare*. *Abstracts of the PTIM 2017 International Caparica Conference on Pollutant Toxic Ions and Molecules*, Lisboa, Portugal, 6-9 November 2017, pp. 201.

- C35. **Antoniadis, V.**, Shaheen, S.M., Rosched, O., Altermanne, M., Rinklebe, J. 2017. Trace elements and properties of 94 floodplain soil profiles along the Central Elbe River, Germany: A survey and risk assessment. *Abstracts of the International Conference on the Biogeochemistry of Trace Elements, ICOBTE 2017*, Zurich, July 16-20, 2017, p. 22.
- C34. Prapas, A., **Antoniadis, V.**, Levizou, E., Golia, E.E., Dimirkou, A., Shaheen, S.M., Rinklebe, J. 2017. Heavy metal contamination in agricultural soils around a steel factory: availability, transfer to wheat and health risk assessment. *Abstracts of the International Conference on the Biogeochemistry of Trace Elements, ICOBTE 2017*, Zurich, July 16-20, 2017, p. 436.
- C33. Ioannou, A., Petropoulos, S., Fernandes, A., Karkanis, A., **Antoniadis, V.**, Barros, L., Ferreira, I.C.F.R. 2017. Yield and chemical composition of *Cichorium spinosum* L. in relation to nitrogen rate. *Vienna International Science Conferences & Events Association, Plant Nutrition, Growth & Environment Interactions II*, Vienna, Austria, February 20-21, 2017, p. 41.
- C32. Anesti, S., Fasoli, K., Petropoulos, S., **Antoniadis, V.**, Ferreira, I.C.F.R. 2016. The effect of ammonium fertilizer on plant growth and quality of *Cichorium spinosum* plants. *Proceedings of the VII International Agricultural Symposium "Agrosym 2016."* Jahorina, Bosnia and Herzegovina, 6-9 October 2016, pp. 827-833.
- C31. Zanni, A.A., **Antoniadis, V.**, Levizou, E., Petropoulos, S., Golia, E.E., Dimirkou, A. 2016. Hexavalent chromium dynamics in acidic and limed soils and its effect on *Origanum vulgare*. *Proceedings of the 18th International Conference on Heavy Metals in the Environment, ICHMET 2016*, Ghent, Belgium, 12-15 September 2016, pp. 79-80.
- C30. **Antoniadis, V.**, Polyzois, T., Petropoulos, S., Golia, E.E., Dimirkou, A. 2016. The effect of manure, zeolite and soil aging in the dynamics of hexavalent chromium in *Cichorium spinosum*. *Proceedings of the Cyprus 2016 International Conference on Sustainable Solid Waste Management*, Limassol, Cyprus, 24-25 June 2016. (Proceedings at: <http://uest.ntua.gr/cyprus2016/proceedings/proceedings.html>) (Full paper at: http://uest.ntua.gr/cyprus2016/proceedings/pdf/Antoniadis_Polyzois_manure_zeolite_soil_ageing_hexavalent_chromium.pdf)
- C29. Petropoulos S., **Antoniadis V.**, Levizou E., Fernandes Â., Barros L., Ferreira I.C.F.R. 2016. Nutritional value and chemical composition of *Cichorium spinosum* L. under saline conditions. *Abstracts of the International Conference on Research for Sustainable Development in Mountain Regions "Mountains2016"*, Bragança, Portugal, 5-7 October, 2016.
- C28. Petropoulos, S., **Antoniadis, V.**, Di Gioia, F., Fernandes, A., Barros, L., Ferreira, I.C.F.R. 2016. The effect of sowing date on plant growth and nutritional value of *Cichorium spinosum* L. plants. *Abstracts of the Annual Conference of the American Society for Horticultural Science 2016*. Atlanta, USA, August 7-11, 2016.

- C27. Theofanoudis, S., Petropoulos, S., **Antoniadis, V.** 2015. The effect of manure, zeolite and mineral fertilizer on the yield and mineral composition of cauliflower. *Proceedings of the VI International Agricultural Symposium "Agrosym 2015."* Jahorina, Bosnia and Herzegovina, 15-18 October 2015, pp. 1058-1062.
- C26. Koutroubas, S.D., **Antoniadis, V.**, Damalas, C.A., Fotiadis, S. 2015. Reuse of municipal sewage sludge in agriculture: The case of maize crop. *Proceeding of the TINOS 2015, 3rd International Conference on Sustainable Solid Waste Management*, 2-4 July 2015, Tinos Island, Greece.
- C25. **Antoniadis, V.**, Papatheodorou, S., Levizou, E. 2015. Zinc and cadmium effect in lettuce, purslane and geranium: Metal transfer coefficients. *Proceedings of the 6th European Bioremediation Conference*, Chania, Greece, 29 June-2 July 2015, pp. 193-196.
- C24. Petropoulos, S.A., Fernandes, A., Barros, L., Barreira, J.C.M., Ferreira, I.C.F.R., Ntatsi, G., **Antoniadis, V.** 2015. Effect of storage on quality features of local onion landrace "Vatikiotiko". *Abstracts of the 7th International Symposium on Edible Alliaceae*, 21-25 May 2015, Nigde, Turkey.
- C23. Xyrafis, E., **Antoniadis, V.**, Petropoulos, S. 2015. Quality of industrial tomato in relation to fertilizer application. *Abstracts of the Vienna International Science Conferences & Events Association, Plant Growth, Nutrition & Environment Interaction II*, Vienna, Austria, June 25-26 2015, p. 23.
- C22. Papatheodorou, S., **Antoniadis, V.**, Levizou, E. 2015. Zinc and cadmium effect in lettuce, purslane and geranium: Growth and physiological plant responses. *Abstracts of the 6th European Bioremediation Conference*, Chania, Greece, 29 June-2 July 2015, pp. 136.
- C21. Salonikioti, A., Petropoulos, S.A., **Antoniadis, V.**, Levizou, E., Alexopoulos, A. 2015. Wild edible species with bioremediation properties. *Procedia Environmental Science, "Agriculture and Climate Change—Adapting Crops to Increased Uncertainty (AGRI 2015)" Conference (15-17 February 2015, Amsterdam, The Netherlands)*, 29, 98-99. DOI: 10.1016/j.proenv.2015.07.180
- C20. Koutroubas, S.D., **Antoniadis, V.**, Fotiadis, S., Damalas, C.A. 2014. Effects of sewage sludge application on growth, grain yield, and N translocation of winter wheat under Mediterranean conditions. *Proceedings of the Eurasian Waste Management Symposium 2014*, Istanbul, 28-30 April 2014, pp. 375-382.
- C19. Koliniati, R., Golia, E., **Antoniadis, V.** 2014. Effect of soil properties in phosphorus sorption. *Abstracts of the 9th International Soil Science Congress on "The Soul of Soil and Civilization," Side, Antalya, Turkey*, 14-16 October 2014, p. 194.
- C18. Mendoni, E., Salonikioti, A., Petropoulos, S., **Antoniadis, V.**, Levizou, E. 2014. *Cichorium spinosum* as a phytoremediation species. *Abstracts of the 11th International Conference of the International Phytotechnology Society*, Heraklion, Crete, Greece, 30 September-3 October 2014.

- C17. **Antoniadis, V.**, Paraskevopoulos, G., Chatzissavvidis, D. 2013. Boron availability in five acidic soils in Greece. *Proceedings of the XVII International Plant Nutrition Colloquium and Boron Satellite Meeting*, 17-18 August, Istanbul, Turkey, pp. 375-382.
- C16. Brozou, E., Ioannou, Z., **Antoniadis, V.**, Dimirkou, A. 2013. Adsorption of hexavalent chromium from aqueous solutions onto modified zeolites. *Proceedings of the 13th International Conference of Environmental Science and Technology*, Athens, Greece, 5-7 September 2013.
- C15. **Antoniadis, V.**, Golia, E., Prapas, A., Dimirkou, A. 2013. Sorption of Cu and Zn in 21 soils as influenced by soil pH. *Abstracts of the 14th European Meeting of Environmental Chemistry*, Budva, Montenegro, 4-7 December 2013, p. 29-30.
- C14. Ioannou, Z., Karassavidis, C., Dimirkou, A., **Antoniadis, V.** 2012. Adsorption of dyes from aqueous solutions onto modified zeolites. *Proceedings of the International Water Association Regional Conference on Wastewater Purification and Reuse 2012*, 28-30 March 2012, Heraclion, Crete, Greece, pp. 259-274.
- C13. **Antoniadis, V.**, Damalidis, K., Dimirkou, A. 2011. Availability of Cu and Zn in an acidic sludge-amended soil as affected by zeolite application and liming. *Proceedings of the 11th International Conference on the Biogeochemistry of Trace Elements (ICOBTE 2011)*, Part II, 4-7 July 2011, Florence, Italy, pp. 569-570.
- C12. **Antoniadis, V.**, Anagnostopoulou, V., Koutroumbas, S. 2011. Development of a simplified model for N fertilizer recommendation for maize, wheat and helianthus. *Abstracts of the 12th International Symposium on Soil and Plant Analysis*, 6-10 June 2011, Chania, Greece, Summary No. 65, p. 9.
- C11. **Antoniadis, V.**, Damalidis, K., Dimirkou, A. 2011. Effect of zeolite application to acidic and limed soil in Cu and Zn availability to ryegrass. *Abstracts of the 12th International Symposium on Soil and Plant Analysis*, 6-10 June 2011, Chania, Greece, summary No. 64, p. 23.
- C10. Koutroubas, S.D., **Antoniadis, V.**, Fotiadis, S. 2010. Growth, nitrogen uptake and translocation for wheat grown in soils amended with farmyard manure and sewage sludge. *Proceedings of the XI European Society of Agronomy Congress "Agro 2010"*, September 2010, Montpellier, France, pp. 745-746.
- C9. **Antoniadis, V.**, Koutroubas, S.D., Fotiadis, S. 2010. Nitrogen efficiency and availability to wheat in biosolids- and inorganic fertilizer-applied soil. *Proceedings of the XI European Society of Agronomy Congress "Agro 2010"*, September 2010, Montpellier, France, pp. 697-698.
- C8. **Antoniadis, V.**, Damalidis, K. 2010. Zeolite effects on nitrogen dynamics and availability to ryegrass in acidic and limed soil. *Proceedings of the XI European Society of Agronomy Congress "Agro 2010"*, September 2010, Montpellier, France, pp. 695-696.

C7. Paparnakis, A., Chatzissavvidis, C., **Antoniadis, V.** 2010. The behavior of apple plants (cv. Redchief) grown on acid soil in relation to boron nutrition. *Proceedings of the Jubilee Scientific Conference*, Agricultural University of Plovdiv, October 2010, Plovdiv, Bulgaria, pp. 303-308.

C6. **Antoniadis, V.**, Tsadilas, C.D., Sgouras, I. 2008. Soil organic carbon and nitrogen dynamics in soils amended with organic residues. *Abstracts of the European Soil Science Conference EUROSIL 2008*, 25-30 August 2008, Vienne, Austria.

C5. **Antoniadis, V.**, McKinley, J.D. 2001. Centrifuge measurement of copper and nickel solute transport in London Clay. *Abstracts of the 2nd European Meeting on Environmental Chemistry of the Association of Chemistry and the Environment (ACE)*, Dijon, France, December 2001.

C4. **Antoniadis, V.**, McKinley, J.D. 2000. Leaching tests in a laboratory centrifuge on zinc migration in London Clay. In: J. Garnier, L. Thorel and E. Haza (Eds.) *Physical Modelling and Testing in Environmental Geotechnics*. Proceedings of International Symposium, La Baule, May 2000. NECER, Paris, pp. 53–60.

C3. McKinley, J.D., **Antoniadis, V.** 1999. Examining competitive sorption of copper and nickel in London Clay with centrifuge leaching tests. In: R.N. Yong and H.R. Thomas (Eds.) *Ground Contamination: Pollutant Management and Remediation*. Proceedings of the 2nd Conference of the British Geotechnical Society and the Cardiff School of Engineering, London, September 1999. Thomas Telford Publications, London, U.K., pp. 296–301.

C2. **Antoniadis, V.**, McKinley, J.D. 1999. The mobility of Cu, Ni, and Zn with centrifuge leaching tests. *Abstracts of the 52nd British Society of Soil Science Conference*, Edinburgh, U.K., Σεπτέμβριος 1999.

C1. **Antoniadis, V.**, Alloway, B.J. 1998. The role of DOC in the mobility of Cd in sewage sludge-treated soils. *Abstracts of the 51st British Society of Soil Science Conference*, Belfast, N. Ireland, Σεπτέμβριος 1998.

D. Presentations in National Conferences (in Greek; abstract in English)

D44. Κικίης, Χ., **Αντωνιάδης, Β.** 2023. Φυτοεξόρυξη εδάφους: Πρόσφατες εξελίξεις – Ανασκόπηση. *Περίληψη Εργασιών Συνεδρίου Ελληνικής Εδαφολογικής Εταιρείας*, Αθήνα, 4-6 Δεκεμβρίου 2023.

D43. Κικίης, Χ., **Αντωνιάδης, Β.** 2023. Η χρήση των βιομηχανικών καλλιεργειών για τη φυτοδιαχείριση ρυπασμένων εδαφών – Ανασκόπηση. *Περίληψη Εργασιών Συνεδρίου Ελληνικής Εδαφολογικής Εταιρείας*, Αθήνα, 4-6 Δεκεμβρίου 2023.

D42. Θαλασσινός, Γ., Γραμμένου, Α., **Αντωνιάδης, Β.** 2023. Επίδραση διάφορων εδαφοβελτιωτικών υλικών στη βιοδιαθεσιμότητα δυνητικώς τοξικών στοιχείων σε φυτά γλιστρίδας (*Portulaca oleracea*). *Περίληψη Εργασιών Συνεδρίου Ελληνικής Εδαφολογικής Εταιρείας*, Αθήνα, 4-6 Δεκεμβρίου 2023.

D41. Γραμμένου, Α., **Αντωνιάδης, Β.** 2023. Συγκριτική μελέτη επώασης εδάφους σε πηλώδες και αμμοπηλώδες έδαφος με ποικίλες συγκεντρώσεις κοπριάς πουλερικών.

Περίληψη Εργασιών Συνεδρίου Ελληνικής Εδαφολογικής Εταιρείας, Αθήνα, 4-6 Δεκεμβρίου 2023.

D40. Γραμμένου, Α., Πετρόπουλος, Σ., **Αντωνιάδης, Β.** 2023. Βιοδιαθεσιμότητα Cd σε φυτά *Plantago coronopus* και *Sonchus oleraceus*: Επίδραση βιοδιεγερτικών ουσιών χουμικών και φουλβικών οξέων. *Περίληψη Εργασιών Συνεδρίου Ελληνικής Εδαφολογικής Εταιρείας*, Αθήνα, 4-6 Δεκεμβρίου 2023.

D39. Χαρτοδιπλωμένου, Μ.Α., Γκόλια, Ε.Ε., Παπαδήμου, Σ., Κάντζου, Ο.Δ., **Αντωνιάδης, Β.**, Τσιρόπουλος, Ν. Καταγραφή των επιπέδων χαλκού και καδμίου σε αστικά εδάφη της πόλης του Βόλου. *Πρακτικά 12^{ου} Πανελληνίου Συνεδρίου Εταιρείας Γεωργικών Μηχανικών Ελλάδος*, Θεσσαλονίκη, 21-22 Οκτωβρίου 2021, σσ. 224-232.

D38. Κάντζου, Ο.Δ., Γκόλια, Ε.Ε., Παπαδήμου, Σ., Χαρτοδιπλωμένου, Μ.Α., **Αντωνιάδης, Β.**, Τσιρόπουλος, Ν. 2021. Απεικόνιση της χωρικής παραλλακτικότητας της επιβάρυνσης των εδαφών της πόλης του Βόλου από πιθανά τοξικά στοιχεία. *Πρακτικά 12^{ου} Πανελληνίου Συνεδρίου Εταιρείας Γεωργικών Μηχανικών Ελλάδος*, Θεσσαλονίκη, 21-22 Οκτωβρίου 2021, σσ. 216-223.

D37. Γκόλια, Ε.Ε., Χαρτοδιπλωμένου, Μ.Α., Ζούντα, Δ., Κάντζου, Ο.Δ., Λακιώτης, Κ., Μαμαλούδης, Χ., Παρχαρίδου, Κ., Θαλασσινός, Γ., Μπαθρέλλος, Γ., Σκυλοδήμου, Χ., **Αντωνιάδης, Β.** 2019. Παρακολούθηση της χωρικής μεταβλητότητας των επιπέδων βαρέων μετάλλων στο κέντρο της πόλης του Βόλου. *Πρακτικά 11^{ου} Πανελληνίου Συνεδρίου Εταιρείας Γεωργικών Μηχανικών Ελλάδος*, Βόλος, 7-8 Νοεμβρίου 2019, σσ. 349-359.

D36. Γκόλια, Ε., Κάντζου, Ο.-Δ., Χαρτοδιπλωμένου, Μ.-Α., Λακιώτης, Κ., Ζούντα, Δ., Μαμαλούδης, Χ., **Αντωνιάδης, Β.** 2019. Καταγραφή των επιπέδων χαλκού και ψευδαργύρου σε περιοχές αστικού πρασίνου—η περίπτωση του Δήμου Βόλου. *Πρακτικά 11^{ου} Πανελληνίου Συνεδρίου Εταιρείας Γεωργικών Μηχανικών Ελλάδος*, Βόλος, 7-8 Νοεμβρίου 2019, σσ. 338-348.

D35. **Αντωνιάδης, Β.**, Σπαθάρας, Σ., Γκόλια, Ε.Ε. Δημήρκου, Α. 2019. Μέτρηση οργανικής ουσίας εδάφους με την απώλεια στην πύρωση. *Πρακτικά 11^{ου} Πανελληνίου Συνεδρίου Εταιρείας Γεωργικών Μηχανικών Ελλάδος*, Βόλος, 7-8 Νοεμβρίου 2019, σσ. 285-293.

D34. **Αντωνιάδης, Β.**, Λεβίζου, Ε., Κωστάκος, Ε., Τσικνίδης, Μ., Γκόλια, Ε.Ε., Καραμανώλη, Κ.Ι. 2019. Δυναμική του μολύβδου σε καλλιέργεια ρίγανης υπό την επίδραση αζωτούχου λίπανσης. *Πρακτικά 11^{ου} Πανελληνίου Συνεδρίου Εταιρείας Γεωργικών Μηχανικών Ελλάδος*, Βόλος, 7-8 Νοεμβρίου 2019, σσ. 314-319.

D33. Κολοβού, Π., Καρκάνης, Α., **Αντωνιάδης, Β.**, Πετρόπουλος, Σ. 2017. Η επίδραση της λίπανσης με διάφορες μορφές αζώτου στην ανάπτυξη και ποιότητα σταμναγκαθιού. *Πρακτικά 28^{ου} Συνεδρίου της Ελληνικής Εταιρείας της Επιστήμης των Οπωροκηπευτικών*, 16-20 Οκτωβρίου 2017, Θεσσαλονίκη, σσ. 585-589.

D32. Αλβανός, Α., Σουίπας, Σ., **Αντωνιάδης, Β.**, Πετρόπουλος, Σ.Α. 2017. Επίδραση διαφορετικών επιπέδων αζώτου στην καλλιέργεια του κρεμμυδιού από κοκκάρι.

Πρακτικά 28^{ου} Συνεδρίου της Ελληνικής Εταιρείας της Επιστήμης των Οπωροκηπευτικών, 16-20 Οκτωβρίου 2017, Θεσσαλονίκη, σσ. 494-499.

D31. Θεοχαρόπουλος, Α., Ζουμπούλη, Ε., **Αντωνιάδης, Β.**, Δαναλάτος, Ν., Πετρόπουλος, Σ. 2017. Επίδραση του ζεολίθου και διαφόρων φυτικών υπολειμμάτων στην ανάπτυξη φυτών σταμιναγκαθιού. *Πρακτικά Περιλήψεις 28^{ου} Συνεδρίου της Ελληνικής Εταιρείας της Επιστήμης των Οπωροκηπευτικών*, 16-20 Οκτωβρίου 2017, Θεσσαλονίκη, σσ. 557-561.

D30. Νίκος, Β., **Αντωνιάδης, Β.**, Σουίπας, Σ., Πετρόπουλος, Σ.Α. 2017. Επίδραση διαφορετικών μορφών λίπανσης στην καλλιέργεια της πατάτας. *Πρακτικά 28^{ου} Συνεδρίου της Ελληνικής Εταιρείας της Επιστήμης των Οπωροκηπευτικών*, 16-20 Οκτωβρίου 2017, Θεσσαλονίκη, σσ. 608-612.

D29. Κουτρούμπας, Σ.Δ., **Αντωνιάδης, Β.**, Φωτιάδης, Σ., Δαμαλάς, Χ.Α. 2017. Γεωργική αξιοποίηση της ύλης βιολογικών καθαρισμών: Η περίπτωση των φυτών μεγάλης καλλιέργειας. *Πρακτικά 5^{ου} Συνεδρίου της Ελληνική Εταιρία Διαχείρισης Στερεών Αποβλήτων «Από τους ΧΑΔΑ & τους ΧΥΤΑ προς μια Οικονομία Μηδενικών Αποβλήτων»*, 14-15 Δεκεμβρίου 2017, Αθήνα.

D28. Γκόλια, Ε., **Αντωνιάδης, Β.**, Δημήρκου, Α., Βλειώρας, Σ. 2017. Επίδραση μίγματος κομποστας (από *Oceanica posidonia*) και ζεολίθου στη μείωση των επιπέδων ναρέων μετάλλων στον καπνό. *Πρακτικά 10^{ου} Πανελλήνιου Συνεδρίου Εταιρείας Γεωργικών Μηχανικών Ελλάδος “Η Συμβολή της Γεωργικής Μηχανικής στην Ανάπτυξη της Ελληνικής Γεωργίας”*, Αθήνα, 28-29 Σεπτεμβρίου 2017, σσ. 224-233.

D27. **Αντωνιάδης, Β.**, Ευράφης, Σ., Πετρόπουλος, Σ., Δημήρκου, Α. 2017. Επίδραση της αζωτούχου λίπανσης στην καλλιέργεια της βιομηχανικής τομάτας. *Πρακτικά 10^{ου} Πανελλήνιου Συνεδρίου Εταιρείας Γεωργικών Μηχανικών Ελλάδος “Η Συμβολή της Γεωργικής Μηχανικής στην Ανάπτυξη της Ελληνικής Γεωργίας”*, Αθήνα, 28-29 Σεπτεμβρίου 2017, σσ. 198-205.

D26. Ευράφης, Ε., **Αντωνιάδης, Β.**, Πετρόπουλος, Σ.Α. 2017. Μελέτη της επίδρασης διαφορετικών μορφών λίπανσης στην καλλιέργεια της βιομηχανικής τομάτας. *Περιλήψεις 28ου Συνεδρίου της Ελληνικής Εταιρείας της Επιστήμης των Οπωροκηπευτικών*, 16-20 Οκτωβρίου 2017, σσ. 250.

D25. Βούλγαρης, Π., Πετρόπουλος, Σ., Λύκας, Χ., **Αντωνιάδης, Β.** 2016. Επίδραση της αυξημένης αλατότητας και του ζεόλιθου στην ανάπτυξη και ποιότητα του φοινόκιου (*Foeniculum vulgare* L.). *Πρακτικά 27^{ου} Συνεδρίου της Ελληνικής Εταιρείας της Επιστήμης των Οπωροκηπευτικών*, Βόλος, 28-29 Σεπτεμβρίου, 2015, Τόμος 17(B), σσ. 146-150.

D24. Πετρόπουλος, Σ., Fernandes, Â., Barros, L., Barreira, J.C.M., Ferreira, I.C.F.R., Ντάτση, Γ., **Αντωνιάδης, Β.** 2016. Επίδραση της αποθήκευσης μακράς διάρκειας στην ποιότητα του Βατικιώτικου κρεμμυδιού. *Πρακτικά 27^{ου} Συνεδρίου της Ελληνικής Εταιρείας της Επιστήμης των Οπωροκηπευτικών*, Βόλος, 28-29 Σεπτεμβρίου, 2015, Τόμος 17(B), σσ. 160-164.

D23. **Αντωνιάδης, Β.**, Κούντριας, Γ., Δημήρκου, Α. 2015. Διαχείριση αζώτου, φωσφόρου, καλίου και ιχνοστοιχείων σε καλλιέργεια ελιάς. *Πρακτικά 9^ο Πανελληνίου Συνεδρίου Εταιρείας Γεωργικών Μηχανικών Ελλάδος “Καινοτομία και Νέες Τεχνολογίες στη Γεωργική Μηχανική και τη Διαχείριση Φυσικών Πόρων”*, Θεσσαλονίκη, 8-9 Οκτωβρίου 2015, σσ. 517-524.

D22. Κουτρούμπας, Σ.Δ., **Αντωνιάδης, Β.**, Φωτιάδης, Σ., Δαμαλάς, Χ.Α. 2015. Αξιοποίηση της ιλύος βιολογικού καθαρισμού ως οργανικό λίπασμα: Οικονομικές και περιβαλλοντικές ωφέλειες. Περιλήψεις 2ου Περιβαλλοντικού Συνεδρίου Θεσσαλίας, Σκιάθος, 26-28 Σεπτεμβρίου 2015, Σκιάθος, σ. 50.

D21. Γκόλια, Ε., **Αντωνιάδης, Β.**, Φλωράς, Σ., Δημήρκου, Α., Βλειώρας, Σ. 2015. Παρακολούθηση της χωρικής μεταβλητότητας των επιπέδων βαρέων μετάλλων σε γεωργικά εδάφη των περιοχών Αλμυρού και Διμηνίου Μαγνησίας. Περιλήψεις 1ου Συνεδρίου Γεωγραφικών Πληροφοριακών Συστημάτων και Χωρικής Ανάλυσης στη Γεωργία και στο Περιβάλλον, 28-29 Μαΐου 2015, Αθήνα, σσ. 18-19.

D20. Γερμάνη, Ρ., Τσουκανά, Μ., **Αντωνιάδης, Β.**, Λεβίζου, Ε. 2015. Επίδραση του αρσενικού στην ανάπτυξη και τη φυσιολογία του μαρουλιού. Περιλήψεις του 27ου Πανελληνίου Συνεδρίου Ελληνικής Εταιρείας Οπωροκηπευτικών, 28 Σεπτεμβρίου-1 Οκτωβρίου 2015, Βόλος, σ. 204.

D19. Κολινιάτη, Ρ., **Αντωνιάδης, Β.**, Γκόλια, Ε., Πετρόπουλος, Σ. 2014. Επίδραση της προσθήκης φωσφόρου σε 13 εδάφη σε καλλιέργεια κρεμμυδιού. *Πρακτικά 15^ο Συνεδρίου της Ελληνικής Εδαφολογικής Εταιρείας*, 26-28 Νοεμβρίου 2014, Πάτρα.

D18. Μπρόζου, Ε., Ιωάννου, Ζ., Δημήρκου, Α., **Αντωνιάδης, Β.** 2013. Επίδραση προσροφητικών υλικών σε ύδατα και φυτά που καλλιεργήθηκαν σε εδάφη επιβαρυσμένα με φώσφορο. *Πρακτικά 8^ο Εθνικού Συνεδρίου Γεωργικής Μηχανικής*, 25-26 Σεπτεμβρίου 2013, Βόλος, σσ. 83-85.

D17. Μόλλα, Α., Δημήρκου, Α., **Αντωνιάδης, Β.**, Λιάκου, Κ., Μαρκοπούλου, Α., Ντόβας, Α., Γεωργίου, Κ. 2013. Μελέτη της συμπεριφοράς του ζεολίθου και του γκαϊτίτη στην πρόσληψη του εξασθενούς χρωμίου στην καλλιέργεια του σπανακιού. *Πρακτικά 8^ο Εθνικού Συνεδρίου Γεωργικής Μηχανικής*, 25-26 Σεπτεμβρίου 2013, Βόλος, σσ. 61-65.

D16. Διαμαντούλης, Ι., **Αντωνιάδης, Β.** 2013. Σύγκριση της επίδρασης εφαρμογής ιλύος βιολογικού καθαρισμού και ανόργανης λίπανσης στα χαρακτηριστικά μιας καλλιέργειας αραβοσίτου. *Πρακτικά 8^ο Εθνικού Συνεδρίου Γεωργικής Μηχανικής*, 25-26 Σεπτεμβρίου 2013, Βόλος, σσ. 37-41.

D15. **Αντωνιάδης, Β.**, Μαλτέζος, Π., Χούμος, Χ., Κουτρούμπας, Σ. 2013. Διαθεσιμότητα φωσφόρου σε *Lolium perenne* L. σε εδάφη όξινα που έχουν βελτιωθεί με προσθήκη ανθρακικού ασβεστίου. *Πρακτικά 8^ο Εθνικού Συνεδρίου Γεωργικής Μηχανικής*, 25-26 Σεπτεμβρίου 2013, Βόλος, σσ. 52-56.

D14. Ευστρατίου, Ε., **Αντωνιάδης, Β.**, Δημήρκου, Α. 2012. Επίδραση εδαφικών ιδιοτήτων στην προσρόφηση φωσφόρου σε 10 εδάφη της Θεσσαλίας. *Πρακτικά 14^ο*

Συνεδρίου της Ελληνικής Εδαφολογικής Εταιρείας, 1-2 Νοεμβρίου 2012, Θεσσαλονίκη.

D13. Κουτρούμπας, Σ.Δ., **Αντωνιάδης, Β.**, Φωτιάδης, Σ. 2012. Χρήση κοπριάς αγροτικών ζώων και ιλύος βιολογικού καθαρισμού ως οργανικών λιπασμάτων σε φυτά μεγάλης καλλιέργειας. Περιλήψεις 14ου Πανελληνίου Συνεδρίου της Ελληνικής Επιστημονικής Εταιρείας Γενετικής Βελτίωσης Φυτών «Η Γενετική Βελτίωση των Φυτών Απαντά στις Προκλήσεις του Σήμερα: Αειφορία – Περιβαλλοντικές Καταπονήσεις – Βιοποικιλότητα», 10-12 Οκτωβρίου 2012, Θεσσαλονίκη, σ. 91.

D12. **Αντωνιάδης, Β.**, Πετάσης, Κ., Κουτρούμπας, Σ., Φωτιάδης, Σ. 2011. Διαθεσιμότητα φωσφόρου και καλίου σε έδαφος που δέχθηκε κοπριές και ανόργανο λίπασμα. *Πρακτικά 7^{ου} Πανελληνίου Συνεδρίου Γεωργικής Μηχανικής*, Αθήνα, Νοέμβριος 2011, εργασία #2-2-10, τόμος Πρακτικών.

D11. **Αντωνιάδης, Β.**, Κουτρούμπας, Σ., Φωτιάδης, Σ. 2010. Χρήση κοπριάς αγροτικών ζώων και ιλύος βιολογικών καθαρισμών ως οργανικών λιπασμάτων σε καλλιέργεια σιταριού. *Πρακτικά 13^{ου} Συνεδρίου της Ελληνικής Εδαφολογικής Εταιρείας*, Λάρισα, Οκτώβριος 2010, σσ. 287–296.

D10. **Αντωνιάδης, Β.**, Μπαχτσεβανίδης, Δ., Χατζής, Φ. 2009. Διαθεσιμότητα φωσφόρου σε όξινα και ασβεστωμένα εδάφη. *Πρακτικά 6^{ου} Πανελληνίου Συνεδρίου Γεωργικής Μηχανικής*, Θεσσαλονίκη, Οκτώβριος 2009, σσ. 213–220.

D9. Σγούρας, Ι., Δημογιάννης, Δ., **Αντωνιάδης, Β.**, Τσαντήλας, Χ., Σαμαράς, Β., Σταματιάδης, Σ. 2008. Επίδραση ιλύος βιολογικού καθαρισμού σε ορισμένους δείκτες ποιότητας εδάφους. *Πρακτικά 12^{ου} Συνεδρίου της Ελληνικής Εδαφολογικής Εταιρείας*, Πύργος, Σεπτέμβριος 2008, σσ. 181–190.

D8. **Αντωνιάδης, Β.**, Τσαντήλας, Χ., Ντάλιας, Π. 2008. Εκπλυση νιτρικών σε έδαφη που δέχτηκαν ιλύ βιολογικού καθαρισμού και ανόργανο λίπασμα. *Πρακτικά 12^{ου} Συνεδρίου της Ελληνικής Εδαφολογικής Εταιρείας*, Πύργος, Σεπτέμβριος 2008, σσ. 141–149.

D7. **Αντωνιάδης, Β.**, Τσαντήλας, Χ. 2006. Προσρόφηση Cd, Ni και Zn σε δύο εδάφη της Κεντρικής Ελλάδας. *Πρακτικά 11^{ου} Συνεδρίου της Ελληνικής Εδαφολογικής Εταιρείας*, Άρτα, Οκτώβριος 2006, σσ. 103–113.

D6. Λαζαρίδου, Ο., **Αντωνιάδης, Β.** 2004. Εκτίμηση και χαρτογραφική απεικόνιση των κυριότερων φυσικών και χημικών ιδιοτήτων των εδαφών του Κόλπου Καλλονής της Νήσου Λέσβου. *Πρακτικά 10^{ου} Συνεδρίου της Ελληνικής Εδαφολογικής Εταιρείας*, Βόλος, Σεπτέμβριος 2004, σσ. 575–585.

D5. **Αντωνιάδης, Β.**, McKinley, J.D. 2004. Εκτίμηση την κινητικότητας των βαρέων μετάλλων στο έδαφος με τον υπολογισμό του συντελεστή διάχυσης. *Πρακτικά 10^{ου} Συνεδρίου της Ελληνικής Εδαφολογικής Εταιρείας*, Βόλος, Σεπτέμβριος 2004, σσ. 107–115.

D4. **Αντωνιάδης, Β.**, McKinley, J.D. 2002. Μέτρηση της κινητικότητας βαρέων μετάλλων (Zn και Cu) στο έδαφος με χρήση φυγοκέντρου. *Πρακτικά 9^{ου} Συνεδρίου της Ελληνικής Εδαφολογικής Εταιρίας*, Αθήνα, Σεπτέμβριος 2002, σσ. 149–156.

D3. **Αντωνιάδης, Β.**, Παπαδόπουλος, Π., Alloway, B.J., Δημήρκου, Α., Ακρίβος, Ι. 2000. Βιοδιαθεσιμότητα Pb και Zn σε εδάφη που λιπάνθησαν με ιλύ βιολογικών καθαρισμών: Συγκριτική δοκιμή σε Αγγλία και Ελλάδα. *Πρακτικά 8^{ου} Συνεδρίου της Ελληνικής Εδαφολογικής Εταιρίας*, Καβάλα, Σεπτέμβριος 2000, σσ. 459–469.

D2. **Αντωνιάδης, Β.**, Alloway, B.J. 1998. Διαθεσιμότητα Cd και Zn σε εδάφη που δέχτηκαν ιλύ βιολογικών καθαρισμών. *Πρακτικά 7^{ου} Συνεδρίου της Ελληνικής Εδαφολογικής Εταιρίας*, Αγρίνιο, Μάιος 1998, σσ. 397–408.

D1. **Αντωνιάδης, Β.**, Ματσή, Θ., Μπαρμπαγιάννης, Ν. 1996. Δοκιμή του NH₄HCO₃-DTPA ως εκχυλιστικού διαθεσίμου βορίου σε δέκα εδάφη της Βορ. Ελλάδας με καλλιέργεια σιταριού σε δοχεία. *Πρακτικά 6^{ου} Συνεδρίου της Ελληνικής Εδαφολογικής Εταιρίας*, Ναύπλιο, Μάιος 1996, σσ. 604–611.

6. *Membership in Professional and Scientific Bodies*

- Hellenic Society of Soil Science, since 1996.
- British Society of Soil Science, since 1996.
- Soil Science Society of America, since 2005.
- Geotechnical Chamber of Greece (official professional body for Agriculture and Environmental Scientists), since 1999.
- Greek Society of Agricultural Engineers, since 2009.
- European Society of Soil Conservation, since 2010.

7. Various

- 1993: Degree in ‘Harmony,’ in the State Conservatoire of Thessaloniki, Greece.
- 1995: Degree in ‘Contrapunctus,’ in the State Conservatoire of Thessaloniki, Greece.
- 1995: Degree in ‘Piano Performance,’ in the State Conservatoire of Thessaloniki, Greece.