



Name: Thomas
Last name: Koutsos

Curriculum Vitae

Personal Info

Family status: Married (with one child)
Address: Laboratory of Agronomy, Department of Field Crops and Ecology,
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Contact: tkoutsos@agro.auth.gr, *Zoom personal meeting room*
Meeting hours: - Students: Monday 11:00-13:00, Tuesday 17:00-19.00.
- Academic Staff: Monday – Wednesday 12:00-14:00.

1. Education

1.1 Academic Training

2008: Thesis, Ph.D. (2004-2008), School of Geology, Faculty of Sciences.

1998: Master of Science, M.Sc. (1995-1998) in "Applied and Environmental Geology", School of Geology, Faculty of Sciences, Aristotle University of Thessaloniki, overall grade "8,96" (out of 10).

1995: B.Sc. (1990-1995), School of Geology (with entrance scholarship), Faculty of Sciences, Aristotle University of Thessaloniki, overall grade "7,71".

1.2 Informatics Education

1.2.1 Certifications for IT Professionals

1998: Microsoft Certified Systems Engineer - M.C.S.E. (1997-1998), Certification of Microsoft for Systems Engineers.

1998: Microsoft Certified Systems Engineer + INTERNET - M.C.S.E. (1997-1998), Microsoft Certification for Systems Engineer with specialization in internet. The examinations were given at the International Certified Exam Center of Sylvan Prometrics.

1998: Microsoft Certified Professional - M.C.P. (1997-1998), Microsoft Certification: Certified Application Professional for Microsoft products and services. The examinations were given at the International Certified Exam Center of Sylvan Prometrics.

1.2.2 Advanced IT Seminars for Systems Engineers (exams/certifications)

1998 (May): Microsoft ® “**Implementing and Supporting Microsoft Internet Information Server 3.0 and Index Server 1.1**”.

1998 (May): Microsoft ® “**Secure Web Access Using Microsoft Proxy Server 2.0**”.

1998 (May): Microsoft ® “**Microsoft Exchange Server 4.0**”.

1998 (May): Microsoft® “**Internetworking with Microsoft TCP/IP on Microsoft Windows NT 4.0**”.

1998 (February): Microsoft® “**Implementing and Supporting NT 4.0 Workstation**” & Microsoft® “**Implementing and Supporting NT Server 4.0 in the Enterprise**”.

1998 (January): Microsoft® “**Implementing and Supporting NT Server 4.0**”.

1998 (December): Microsoft ® “**Networking Essentials**”.

1.2.3 Seminars in Microsoft SQL Programming for Developers

2008 (November): Microsoft ® seminar “**2279 – Implementing a Microsoft SQL Server 2005 Database**”.

2008 (February): Microsoft ® seminar “**2280 – Maintaining a Microsoft SQL Server 2005 Database**”.

1.2.4 Advanced (User Level) IT Seminars in Microsoft Excel

2010 (October): Microsoft ® “**50438A - Microsoft® Excel 2007 - Level III (Advanced User Level)**”, INFOLAB, Thessaloniki.

1.2.5 Advanced seminars for Developers

2017 (June): Seminar attendance for developing EBS Dashboards (ENTERSOFT).

2017 (May): Webinar attendance for developing EBS αυτοματισμών (ENTERSOFT).

1.2.6 Research & Technology Exploration Seminars

2016 (8-9 November): “*7th lab for Research and Innovation, Technology Transfer Office*”, A.U.Th. (KEDEA A.U.Th.), University Campus, Thessaloniki, Greece.
(<https://www.auth.gr/news/events/21429>).

2017 (7-8 November): “*8th lab for Research and Innovation, Technology Transfer Office*”, A.U.Th. (KEDEA A.U.Th.), University Campus, Thessaloniki, Greece.
(<https://www.auth.gr/news/events/24610>).

2018 (24 May): "Clarivate Analytics Web of Science, EndNote Online & In Cites Journal Highly Cited Data", aiming to the optimal use of Web of Science™ and of Highly Cited Data (citation analysis), Central Library of A.U.Th., University Campus, Thessaloniki, Greece.

1.2.7 G.I.S. and Spatial Analysis seminars using ArcGIS (45h)

2018 (15 & 21 November): KHΔ-601 Introduction to ArcGIS platform (3h)

2018 (22 & 23 November, 4 Dec): KHΔ-602 Typical workflows in ArcGIS Desktop (3h)

2018 (6 & 7 December): KHΔ-604 Introduction to ArcGIS Online cloud platform (3h)

2019 (24 & 25 January): KHΔ-603 Spatial Analysis with the use of geo-processing Spatial & 3D tools (3h)

2. Professional Employment

2014 – today: Laboratory Teaching Staff (E.D.I.P) (30271/30-5-2014, 1586/17-06-2014 (τ.B'), School of Agriculture, Faculty of Agriculture, Forestry and Natural Environment, Aristotle University of Thessaloniki, A.U.Th (A.M. 9567), level A' E.D.I.P. (FEK Γ' 258/20-03-2017).

2003 – 2004: Special Educator in Informatics of the Thessaloniki Education Directorate with registry code 517/03Y. Integration into the Register of Educational Informatics of the Ministry of Education within the framework of the Operational Program "Information Society".

2002 – 2014: Geotechnical Engineer at the Aristotle University of Thessaloniki under a private law contract of indefinite duration (A4520/18-12-2001, 55/13-3-2002, N.2839/2000, 196/12-09-2000 τ.A'), in the Department of Field Crops and Ecology.

1998 – 2002: Scientific collaborator in Spatial Analysis, Geographic Information Systems and Environment Impact Assessment applications for GeoInfo SA (G.I.S. applications, map digitization and Spatial Analysis).

1994 – 2008: Participation in Research Programs of the Aristotle University of Thessaloniki (A.U.Th.) with subjects related to hydrogeology, environmental protection, specialized geo-informatics issues, environmental impact management and the use of Geographical Information Systems G.I.S, Department of Geology, Laboratory of Hydrogeology and Technical Geology, Aristotle University of Thessaloniki.

3. Participation in Research Projects (8)

- RP01. 1990-1993:** Participation in the Research Project of A.U.Th. Research Committee., Aristotle University of Thessaloniki with title: “**Research on the rational utilization of the aquatic potential of the Akropotamos - Pierias Valley and study of the construction of a dam in the torrent of Marmaras**”, School of Geology, Faculty of Sciences, A.U.Th., Research Project of A.U.Th. Research Committee (code: 2672).
- RP02. 1999-2001:** Participation in the Research Project of A.U.Th. Research Committee, Aristotle University of Thessaloniki with title: “**Research on the hydrological, hydrogeological and hydrochemical conditions of the Kassandria Chalkidiki basin for the rational management of its water resources and its environmental protection (from pollution and contamination)**”, School of Geology, Faculty of Sciences, A.U.Th., Research Project of A.U.Th. Research Committee (code: 9394).
- RP03. 2001:** Participation in the Research Project of A.U.Th. Research Committee, Aristotle University of Thessaloniki with title: “**Water-saving interventions study in the Salakos – Emponas - Kritinia geographical area in Rhodes island**”, School of Geology, Faculty of Sciences, A.U.Th., Research Project of A.U.Th. Research Committee with code 9748 (No. 7 par. 4AB, KA/679/22.8.96 - FEK 826, B). School of Geology, Faculty of Sciences, A.U.Th., Research Project of A.U.Th. Research Committee (code: 9748).
- RP04. 1997-1999:** Participation in the Research Project of A.U.Th. Research Committee, Aristotle University of Thessaloniki with title: “**Hydrogeological study of Poikos and the karst system of Aravissos springs**”, School of Geology, Faculty of Sciences, A.U.Th., Research Project of A.U.Th. Research Committee (code: 4607). Employment contract with A.U.Th.
- RP05. 1996:** Participation in the Research Project of A.U.Th. Research Committee, Aristotle University of Thessaloniki with title: “**Scientific Investigation of the Possibilities of Establishing a Museum of Natural History in the Municipality of Axioupolis Kilkis**”, School of Geology, Faculty of Sciences, A.U.Th., Research Project of A.U.Th. Research Committee (code: 8377).
- RP06. 1996:** Participation in the Research Project of A.U.Th. Research Committee, Aristotle University of Thessaloniki with title: “**Dam research and optimal utilization of water resources in the Akropotamos area in the prefecture of Kavala**”, School of

Geology, Faculty of Sciences, A.U.Th., Research Project of A.U.Th. Research Committee (code: 2672).

RP07. 2003 – 2005: Participation in the Research Project of A.U.Th. Research Committee, Aristotle University of Thessaloniki with title: **“Preparation and realization on our own resources of pre-school teachers in-service training and specialization in learning difficulties”**, School of Early Childhood Education, Aristotle University of Thessaloniki (Γ' ΚΠΣ, ΕΠΕΑΕΚ II, MIS:86058).

RP08. 2006 – 2008: Participation in the Research Project of A.U.Th. Research Committee, Aristotle University of Thessaloniki with title: **Psychometric battery of cognitive competence for children and adolescents**, School of Psychology, Aristotle University of Thessaloniki (Γ' ΚΠΣ, ΕΠΕΑΕΚ II, MIS:114973).

4. Participation in Conferences and International Workshops (5)

In **October 2011**, a work was presented entitled: **"Ecological impacts due to hydraulic technical projects to ecosystems near Natura 2000 network"**, in the context of 9th Panhellenic Hydrogeological Congress, which took place in Kalavryta. The authors were: **Koutsos, T.M.**, Dimopoulos, G. C. and Mamolos, A.P. The paper was published in the conference proceedings.

In **October 2014**, a work was presented entitled: **"Mapping of total energy inputs, total energy outputs, energy efficiency and greenhouse gas-emissions in olive groves of Cyprus: a tool to determine the best management of energy inputs"** at a workshop organized by the Cyprus Association of Rural and Surveying Engineers and the Technical University of Cyprus in Larnaca on October 8. The authors were: Litskas V., **Koutsos T.M.**, Menexes G.C., Mamolos A.P., Tsatsarelis C.A. και Kalburtji K.L. The paper was published in the conference proceedings.

In **September 2016**, a work was presented (in Greek) entitled: **"Proposal of a method for the classification of genotypes based on many relevant criteria"**, at the 16th Pan-Hellenic Conference on Plant Genetic Improvement on "The contribution of plant improvement to the exit from the economic crisis", 28-30 September 2016, in Florina. The authors were: Menexes, G., Markos, A., Korpetis, E., **Koutsos, T.**, Mavromatis, A.

In **October 2016**, a work was presented (as poster) entitled: **"Assessment of environmental education teaching techniques' categories by students of Faculty of Education for raising recycling awareness in Preschool and Primary Education"**. The authors were: Balampekou E., **Koutsos, T.M.**, Menexes G., Oikonomou A και Karagiannis

V. The poster was presented at the 8th Panhellenic Ecology Conference, held in Thessaloniki on October 20-23, 2016, in the framework of 150 years of Ecology.

In **September 2017**, a work was presented (in Greek) entitled: "**Incorporating data visualization techniques and use of Infographics in presenting statistical data and complex information**", at the 9th Pan-Hellenic Conference on Data Analysis with International Participation, 28-30 September 2017, Agricultural University of Thessaloniki, Thessaloniki. Writers were: Menexes, G. and **Koutsos, T.**

In **September 2017**, a work was presented (in Greek) entitled: "**AFC and Kriging: Projection of quantitative “meta-data” on the factorial planes of AFC**", at the 9th Pan-Hellenic Conference on Data Analysis with International Participation, 28-30 September 2017, Agricultural University of Thessaloniki, Thessaloniki. The authors were: Menexes, G. and **Koutsos, T.**

In **October 2017**, a work was presented (in English) entitled: "**Benefits from the adoption of Precision Agriculture technologies**", at the International Workshop “Information Technology, Sustainable Development, Scientific Network & Nature Protection”, which took place in Edessa on 8-11 October 2017. The authors were: **Koutsos M. Thomas** and Menexes C. Georgios.

In **August 2019**, a work was presented (in English) entitled: "**Combined use of Correspondence Analysis and Ordinary kriging to display “supplementary” values of quantitative variables onto the factorial planes**", at the 16th Conference of the International Federation of Classification Societies, which took place in Thessaloniki Concert Hall on 29 Aug 2019, Thessaloniki, Greece (in English). The authors were: **Koutsos M. Thomas** and Menexes C. Georgios.

5. Peer Reviewer for the scientific Journals

A. Synopsis

- Total number of completed review assignments: **28**
Number of reviews per year: **2** (2021); **3** (2020); **10** (2019); **8** (2018); **4** (2017); **1** (2012)
- Peer Reviewer in **11** Scientific Journals in total:
 - **Journal of the Science of the Total Environment (15 reviews)**
 - **International Journal of Geo-Information (1 review)**
 - **Journal of CATENA (1 review)**
 - **International Journal of Horticulture & Agriculture (1 review)**
 - **Insights of Forest Research (1 review)**
 - **Journal of Educational Research (1 review)**
 - **Journal of Environmental Impact Assessment Review (2 review)**
 - **American Journal of Water Science and Engineering (1 review)**

- **Journal of Agronomy (MDPI) (3 reviews)**
- **Sustainability (MDPI) (1 review)**
- **Crop and Pasture Science (1 review)**

B. Peer Reviewer in Scientific Journals

1. **Journal of Science of the Total Environment** (ISSN: 0048-9697; I.F.: **4.010** (5-Year I.F.: 4.712)).
Website: <https://www.journals.elsevier.com/science-of-the-total-environment>
Completed assignments: **6** review (2019); **6** reviews (2018); **2** reviews (2017) – **14** reviews in total.
2. **International Journal of Geo-Information (ISPRS)** - (ISSN 2220-9964, I.F.: **1.723** (2017); 5-Year Impact Factor: 1.960 (2017))
Website: <http://www.mdpi.com/journal/ijgi>
Completed assignments: **1** review (2012).
3. **Journal of CATENA (ELSEVIER)** - (Journal ISSN: 0341-8162, I.F.: **3.191**, 5-year I.F.: 3.777).
Website: <https://www.journals.elsevier.com/catena>.
Completed assignments for review: **1** review (2017).
4. **International Journal of Horticulture & Agriculture (Symbiosis Group)**. Website: <https://symbiosisonlinepublishing.com/horticulture-agriculture/>
Completed assignments: **1** review (2017).
5. **Insights of Forest Research**.
Website: <http://scholarlypages.org/journal.php?jid=forest-research>.
Completed assignments: **1** review (2017).
6. **Journal of Educational Research (ELSEVIER)** - (Journal ISSN: 0883-0355, I.F.: **1.138**).
Website: <https://www.journals.elsevier.com/international-journal-of-educational-research>.
Completed assignments: **1** review (2018).
7. **Journal of Environmental Impact Assessment Review Research (ELSEVIER)** - (Journal ISSN: 0195-9255, I.F.: **3.749**, 5-Year I.F.: **4.318**).
Website: <https://www.journals.elsevier.com/environmental-impact-assessment-review>.
Completed assignments: **2** reviews (2019).
8. **American Journal of Water Science and Engineering – AJWSE** – (ISSN Print: 2575-1867, ISSN Online: 2575-1875).
Website: <http://www.ajwse.org/>.
Completed assignments: **1** review (2019).
9. **Agronomy (MDPI)** – (ISSN 2073-4395; CODEN: ABSGGL, I.F. (2019): **2,603**)

Website: <https://www.mdpi.com/journal/agronomy>.

Completed assignments: **2** review (**2020**).

10. **Sustainability (MDPI)** – (ISSN 2071-1050; CODEN: SUSTDE, I.F. (2019): **2,576**)

Website: <https://www.mdpi.com/journal/sustainability>.

Completed assignments: **1** review (**2020**).

11. **Crop and Pasture Science** – (ISSN 1836-0947; CODEN: CP, I.F. (2020): **1,570**)

Website: <https://www.publish.csiro.au/cp>

Completed assignments: **1** review (**2021**).

6. Scholarships – distinctions

2021 (Jan): Review Confirmation Certificate, presented to **Thomas Koutsos** for reviewing 3 papers for the following MDPI journals (Agronomy, Sustainability) in the period 2020–2021, Dr. Shu-Kun Lin, Publisher and President Basel.

2020 (Oct): Review Confirmation Certificate, presented to **Thomas Koutsos** for reviewing 1 paper for the Agronomy MDPI journal in 2020, Dr. Shu-Kun Lin, Publisher and President Basel.

2018 (Nov): Certificate of Appreciation in Reviewing, presented to **Thomas Koutsos** for his contribution to “*European Journal of Educational Research*” as reviewer at Vol8, Iss.1, EU-JER (ISSN: 2165-8714), Editor-in-Chief: Ahmet Savas, Ph.D.

2017 (Dec): Certificate of Outstanding Contribution in Reviewing, awarded November 2017 to **Thomas Koutsos** in recognition of the contributions made to the quality of the *Journal of Science of the Total Environment*, Editor in Chief: Damià Barceló, Elsevier, Amsterdam, The Netherlands.

2017 (Nov): Certificate of Reviewing, awarded November 2017 to **Thomas Koutsos** in recognition of the review made for the *Journal Science of the Total Environment*, Elsevier, Amsterdam, The Netherlands.

2017 (Sept): Certificate of Reviewing, awarded September 2017 to **Thomas Koutsos** in recognition of the review made for the *Journal of KATENA*, The Editors of KATENA, Elsevier, Amsterdam, The Netherlands.

2010 (Oct): DG Environmental News Alert System (Science for Environmental Policy) of the European Commission for the environment (09/10/2010) for the findings of our published research paper with title "Mapping the ecological impact of dams near Natura 2000 sites": *A recent study has developed a mapping system to show the impact on habitats and species caused by construction projects, such as dams, near Natura 2000 conservation areas.*

Using a Greek case study, the system was able to identify risks from a dam construction project to species including otters, toads and tortoises".

Link: http://ec.europa.eu/environment/integration/research/newsalert/pdf/208na2_en.pdf

1990 (Sep): Entrance Scholarship for School of Geology, Faculty of Science, Aristotle University of Thessaloniki.

7. Languages

English: C1 (*Proficiency level*, 03-09-1996).

French: B1 (*Independent user*: Certificat de langue Francaise, 22-06-1989),

German: B1 (*Independent user*: Zertifikat Deutch als Fremdsprache, 03-09-1996),

Chinese (Mandarin): *Beginner level* (Confucious Institute A.U.Th., 16-09-2020),

Japanese: *Beginner level*.

8. Teaching Experience

8.1 Participation in teaching undergraduate courses

School of Agriculture, Faculty of Agriculture, Forestry and Natural Environment, Aristotle University of Thessaloniki:

- **N016N Agronomy** (2014 – 2020)
- **N006Y Statistics** (2015 – 2020)
- **N523E Agricultural Experimentation** (2015 – 2020)

8.2 Participation in teaching post-graduate courses

1. School of Agriculture, Field Crops & Ecology, Faculty of Agriculture, Forestry and Natural Environment, Aristotle University of Thessaloniki:

Post-graduate Program of Studies entitled "Sustainable Agricultural Production Systems and Climate change", School of Agriculture, Faculty of Agriculture, Forestry and Natural Environment, Aristotle University of Thessaloniki.

- **AKA801 Biometry I** (2018-21)
- **AKA807 Experimental Design and Data Analysis with Statistical Packages** (2018-21)
- **AKA821 Special topics – seminars** (2018-21)
- **AKA823 Integrated Production and Climate Change** (2018-21)

- **AKA825 Special topic for Field Crops** (2018-21)
- **AKA809Y Biometrics II** (2018-21)
- **AKA816E Spatial Analysis and Agro-geoinformatics** (2018-21)
- **AKA820E Systematic Reviews and Meta-Analysis** (2018-21)
- **BAZ701 Biometry** (2014-19), School of Agriculture, Faculty of Agriculture, Forestry and Natural Environment, Aristotle University of Thessaloniki.
- **BAZ715 Integrated Management of Field Crops"** (2013-14): (1) **Precision Agriculture** and (2) **Irrigation Water Quality**, School of Agriculture, Faculty of Agriculture, Forestry and Natural Environment, Aristotle University of Thessaloniki.

2. School of Geology A.U.Th. (Department of Geology GGG):

- **GGTM107 Principles of sustainable management and development** (2014 – 2019), Post-graduate Program of Studies, "Technical Geology - Environmental Hydrogeology", of Applied and Environmental Geology, School of Geology, Faculty of Sciences, A.U.Th. Lectures: (1) "Environmental Impact Assessment - Environmental Licensing" and "Environmental Impact Assessment and Measures in EIA Hydraulic Engineering Projects" and (2): " Rules and guidelines for creating a scientific presentation", Post-graduate Program of Studies, "Technical Geology - Environmental Hydrogeology", of Applied and Environmental Geology, School of Geology, Faculty of Sciences, A.U.Th.

3. Polytechnic School of Aristotle University of Thessaloniki, Department of Architecture (in cooperation with School of Agriculture A.U.Th.):

- **N541E Land Use Planning Itinerary** (2018-19), Lectures: "Land Use Planning and environmental impact assessment studies".
- **ST110 Landscape maintenance, restoration and restoration** (2016-19), Lectures: (1) "Environmental Impact Assessment - Environmental Licensing" and "Environmental Impact Assessment and Measures in EIA Hydraulic Engineering Projects" and (2) "Environmental Impact Assessment and Mitigation Measures in EIA", Landscape Architecture, Department of Architecture, Polytechnic School of Aristotle University of Thessaloniki, School of Agriculture, Aristotle University of Thessaloniki, School of Agriculture, Forestry and Natural Environment A.U.Th.

8.3 Research supervision of student work

2019-2020: Research supervision of student work in the context of the course AKA821Y Special Topics - Seminars, Post-graduate Program of Studies, School of Agriculture, Faculty of Agriculture, Forestry and Natural Environment, A.U.Th. (2019-20). Topics related to Systematic Reviews. Special issues with the students' abstracts.

2019-2020: Research supervision of student work in the context of the course AKA816E Spatial Analysis and Agro-Informatics, Post-graduate Program of Studies, School of Agriculture, Faculty of Agriculture, Forestry and Natural Environment, A.U.Th. (2019-20).

2017-2018: Research supervision of student work (in the context of the compulsory course GGTM107 Principles of sustainable management and development, Post-graduate Program of Studies, School of Geology, Faculty of Sciences, A.U.Th).

2016-2017: Research supervision of student work (in the context of the compulsory course GGTM107 Principles of sustainable management and development, Post-graduate Program of Studies, School of Geology, Faculty of Sciences, A.U.Th).

8.4 Participation in the administrative work of the Department of Agriculture, A.U.Th.

- **E.D.I.P. Representative** of the Department of Field Crops and Ecology, School of Agriculture, Forestry and Natural Environment of Aristotle University of Thessaloniki (2015-18). Deputy E.D.I.P. Representative (2018-20).
- **Responsible for the teleconferences via e-presence for member' elections for academic development** of the Department of Field Crops and Ecology, School of Agriculture, Forestry and Natural Environment of Aristotle University of Thessaloniki (2015-20).

9. List of Publications

9.1 Synopsis

- **Postgraduate Thesis: (1) One**
- **Thesis: (1) One**
- **Total number of publications: thirty-one (31)**

A. Publications in Scientific Journals: eleven (11)

- 9 Publications in Peer-reviewed International Scientific Journals (in SCI)
- 1 Publication in Peer-reviewed International Scientific Journal (in Series)
- 1 Publication in Peer-reviewed International Scientific Journal (out of SCI)

B. Publications in Proceedings of International Conferences: ten (10)

C. Publications in Chapters of Scientific Books: four (4)

D. Technical Reports: four (5)

E. Publications for the Public: one (1)

- **Cross citation references** (self-citations are excluded): **ninety-seven (97)**
- **h-index: 6**

RG stats (Last updated on Monday, January 26, 2021):



Research Areas (based on the Web-Of-Science categorization of the published articles):

Agriculture, Biodiversity & Conservation, Big Data Analysis, Crop Improvement, Data Analysis, Environmental Sciences, Ecology, Engineering, Environmental Education, Information Modelling & Management, Precision Agriculture, Spatial Analysis, Statistical Data Presentation, Statistics, Sustainable Agriculture, Water Resources

ISI - Web of Science/Scopus categories (article categories):

Agronomy, Biodiversity Conservation, Crops, Ecology, Engineering, Environmental Management, Environmental Protection, Environmental Sciences, Health hazards, Soils, Wastewater Disposal, Water Resources

Postgraduate Thesis (M.Sc.)

Koutsos, T.M., 1998. **Study of the aquifer of Yermasoyia, Cyprus using Geographical Information Systems (G.I.S.)**. Postgraduate Dissertation Specialization, School of Geology, Faculty of Sciences, A.U.Th (in cooperation with the Department of Groundwater Development of Cyprus), p.116.

Thesis (Ph.D.)

Koutsos, T.M., 2008. **Contribution in assessment and evaluation of environmental impacts at technical projects with the use of geographical information systems (G.I.S.)**, PhD, School of Geology, Faculty of Sciences, A.U.Th., p.286.

9.2 Publications in Peer-reviewed International Scientific Journals (S.C.I.)

- A1. A1. Koutsos, T.M.,** Dimopoulos, G. C., Mamolos, A.P., 2010. **Spatial evaluation model for assessing and mapping impacts on threatened species in regions adjacent to Natura 2000 sites due to dam construction using Geographical Information Systems (G.I.S.).** *Ecological Engineering*, 36, 1017–1027. Published.
DOI: <http://dx.doi.org/10.1016/j.ecoleng.2010.04.011>
I.F. (2019-20): **3.600**, I.F. (2018-19): 2.740, I.F.(5-Y): 3.223, SJR: 1.104, SNIP: 1.451
- A2.** Vassilios D. Litskas, Christodoulos S. Karaolis, George C. Menexes, Andreas P. Mamolos, **Thomas M. Koutsos**, Kiriaki L. Kalburtji., 2012. **Variation of energy flow and greenhouse gas emissions in vineyards located in Natura 2000 sites,** *Ecological Indicators* 27(1-7). Published.
DOI: <http://dx.doi.org/10.1016/j.ecolind.2012.11.016>.
I.F. (2019-20): **4.800**, I.F. (2018-19): 3.190, I.F. (3-Y): 5.060, SJR: 1.352, SNIP: 1.813
- A3. Koutsos, T.M.,** Dimopoulos, G.C., Mamolos, A.P., 2016. **A novel method for assessing and mapping multiple impacts due to the technical construction project,** *Landscape and Ecological Engineering (LAEE)* 12(1). Published.
DOI: <http://dx.doi.org/10.1007/s11355-015-0274-2>.
I.F.(2019-20): **1.650**, I.F.(2018-2019): 0.730 , I.F. (3-Y): 1.43, SJR: 0.391, SNIP: 0.766
- A4.** Balampekou, E. I., **Koutsos, T.M.,** Menexes, G., C., Oikonomou, A., Karagiannis V., 2017. **Selection of environmental education teaching techniques' categories for raising recycling awareness in Preschool and Primary Education,** *εκπ@ιδευτικός κύκλος* 5 (1) (ISSN: 2241-4576). Published (in Greek).
Research Paper Indexed by Citefactor Index -- 20
Research Areas: Environmental Education
- A5. Koutsos, T.M.** and Menexes, G., 2019. **Targeting efficient information searching: a unified information seeking model,** *Journal of Academic Librarianship*.
I.F. (2018-19): **1.459** (5-Year Impact Factor: 1.604). *Under review*.
Research Areas: Information Modelling & Management
- A6.** Chatzistathis T., **Koutsos, T.M.,** 2017. **Olive mill wastewater as a source of organic matter, water, and nutrients for restoration of degraded soils and for crops managed with sustainable systems,** *Journal of Agricultural Water Management* 190, 55–64. Published. <https://doi.org/10.1016/j.agwat.2017.05.008>
I.F.(2019-20): **3.990**, I.F.(2018-19): 2.603, 3-Y I.F.: 4.12, SJR: 1.403, SNIP: 1.933
- A7. Koutsos, T.M.,** Chatzistathis, T., Balampekou, E.I., 2018. **A new framework proposal, towards a common EU agricultural policy, with the best sustainable practices for the re-use of olive mill wastewater,** *Journal of Science of the Total Environment* 622-623C, 942-953.
DOI: <https://doi.org/10.1016/j.scitotenv.2017.12.073>

I.F. (2019-20): **5.900**, I.F. (2018-19): 4.900, I.F. (5-Y): 4.712, SJR: 1.536, SNIP: 1.809

- A8. Koutsos, T.M.**, Menexes, G.C., Balampekou, E.I., Oionomou A., 2020. **University students' perception of the factors affecting preschool and primary students' recycling behaviour as a tool to improve environmental education in university curriculum**, *Psyecology, Bilingual Journal of Environmental Psychology*. Under publication.

Research Areas: Environmental Education, Environmental Studies

I.F.(2019-20): **0.860**, I.F. (3-Y): 1.10, SJR: 0.559, SNIP: 0.596

- A9. Menexes, G., Koutsos, T.M.**, 2020. **Correspondence Analysis and Kriging: Projection of quantitative information on the factorial maps**. This paper was presented at IFCS2019 (16th International Federation of Societies). The idea was found interesting and it was submitted as a full paper written in LaTeX code for publication in the Springer Series "Studies in Classification, Data Analysis, and Knowledge Organization" released in 2020. The submitted manuscript has undergone a regular reviewing process and the evaluation of the contribution of this paper was very high. Published in *Springer Series "Studies in Classification, Data Analysis, and Knowledge Organization"*, 2020.

Research Areas: Spatial Analysis; Data Analysis

- A10. Koutsos, T.**, Menexes, G., 2018. **Economic, agronomic, and environmental benefits from the adoption of precision agriculture technologies. A systematic review**. This is an updated and extended version of the paper presented at the International Workshop "Information Technology, Sustainable Development, Scientific Network & Nature Protection", 8-11 October 2017, Edessa City, Greece. This work has been selected from the Workshop Committee to be published in the special issue entitled: "Agro-Environment, Informatics and Sustainable Development". *International Journal of Agricultural and Environmental Information Systems (IJAEIS) 10(1)*, of IGI Global. Copyright: © 2019 |Pages: 40-56, DOI: 10.4018/IJAEIS.2019010103.

I.F.(2019-20): **0.950**, I.F. (2018-19): 0.94, I.F. (3-Y): 0.84, SJR: 0.164, SNIP: 0.579

Research Areas: Precision Agriculture; Water Resources; Environmental management; Environmental protection; Health hazards

- A11. Koutsos, T.M.**, Menexes, G.C., Dordas C.A., 2019. **An efficient framework for conducting Systematic Literature Reviews**, *Journal of Science of the Total Environment Volume 682*, 106-117. <https://doi.org/10.1016/j.scitotenv.2019.04.354>.

I.F. (2019-20): **5.900**, I.F. (2018-19): 4.900, I.F. (5-Y): 4.712, SJR: 1.536, SNIP: 1.809

Research Areas: Systematic reviews; Agricultural Sciences

- A12. Koutsos, T.M.**, Menexes, G.C., Mamolos A.P., 2021. **The use of crop yield autocorrelation data as a sustainable approach to adjust agronomic inputs**. Under review in *Sustainability Journal*. Special Issue: "Sustainable Soil and Field Management Practices in Agricultural Ecosystems under Climatic Challenges".

I.F. (2019-20): **3.060**, I.F. (2018-19): 2.576, I.F. (3-Y): 3.180, SJR: 0.612, SNIP: 1.156

Research Areas: Spatial Statistics

- A13. Koutsos, T.M.**, Menexes, G.C., Balampekou, E.I., Oionomou A., 2021. **Percepción de los estudiantes universitarios de los factores que influyen sobre la conducta de reciclaje de los estudiantes de educación infantil y primaria como herramienta para mejorar la educación ambiental en el currículum Universitario**, *Psycology, Bilingual Journal of Environmental Psychology*. Under publication (in Spanish).
Research Areas: Environmental Education, Environmental Studies
I.F.(2019-20): **0.860**, I.F. (3-Y): 1.10, SJR: 0.559, SNIP: 0.596

9.3 Publications in Conferences and scientific Workshops

- B1. Koutsos, T.M.**, Dimopoulos, G. C., Mamolos, A.P., 2011. **“Ecological impacts due to hydraulic technical projects to ecosystems near Natura 2000 network”**. *9th International Hydrogeological Congress, Kalavrita, Greece, October 5-7, 2011*).
- B2.** Litskas Vasilios, **Koutsos M. Thomas**, George C. Menexes, Andreas P. Mamolos, Constantinos A. Tsatsarelis, Kiriaki L. Kalburtji., 2014. **Mapping of total energy inputs, total energy outputs, energy efficiency and greenhouse gas-emissions in olive groves of Cyprus: a tool to determine the best management of energy inputs**. *Workshop of Technical Chamber of Cyprus and Technical University of Cyprus for the use of Geographical Information Systems in Cyprus, Larnaka, 08 October 2014*.
- B3.** Balampekou E., **Koutsos, T.M.**, Menexes G., Oikonomou A, Karagiannis V., 2016. **Assessment of environmental education teaching techniques’ categories by students of Faculty of Education for raising recycling awareness in Preschool and Primary Education**. *8th Congress of the Hellenic Ecological Society, Thessaloniki, Greece, October 20-23, 2016*.
- B4.** Μενεξές, Γ., Μάρκος, Α., Κορπέτης, Ε., **Κουτσός, Θ.**, Μαυρομάτης, Α., 2016. **Πρόταση μεθόδου για την κατάταξη γενοτύπων βάσει πολλών σχετικών κριτηρίων**. *16ο Πανελλήνιο Συνέδριο Γενετικής Βελτίωσης Φυτών με θέμα «Η συμβολή της βελτίωσης των φυτών στην έξοδο από την οικονομική κρίση», 28-30 Σεπτεμβρίου 2016, στη Φλώρινα*.
- B5.** Menexes, G., **Koutsos, T.K.**, 2016. **Importance and properties of the Coefficient of Variation**. Participation with posted poster. " The contribution of plant breeding to exit from the financial crisis", 16th Panhellenic Conference on Genetic Breeding of Plants in Florina (28-30/09/2016).
- B6.** Menexes, G., **Koutsos, T.K.**, 2016. **Importance and properties of the Coefficient of Variation**. Participation with manuscript. " The contribution of plant breeding to exit from the financial crisis", 16th Panhellenic Conference on Genetic Breeding of Plants in Florina (28-30/09/2016).
- B7. Koutsos, T.M.**, Menexes, G., 2017. **Incorporating data visualization techniques and use of Infographics in presenting statistical data and complex information**). *9th Pan-*

Hellenic Data Analysis Conference with International Participation "28-30 September 2017, University of Thessaloniki, Thessaloniki.

- B8.** Menexes, G., **Koutsos, T.M.**, 2017. **AFC and Kriging: Projection of quantitative “meta-data” on the factorial planes of AFC.** *9th Pan-Hellenic Data Analysis Conference with International Participation, 28-30 September 2017, University of Thessaloniki, Thessaloniki.*
- B9.** **Koutsos, T.**, Menexes, G., 2017. **Benefits from the adoption of precision agriculture technologies. A systematic review.** *ITAE 2017 18th Panhellenic Forestry Congress «Hellenic Forestry facing major challenges: sustainable forest management, forest cadaster, environmental technologies-networking and nature protection» & International Workshop “Information Technology, Sustainable Development, Scientific Network & Nature Protection”, 8-11 October 2017, Edessa City, Greece.*
- B10.** Menexes, G., **Koutsos, T.**, 2019. **Combined use of Correspondence Analysis and Ordinary kriging to display “supplementary” values of quantitative variables onto the factorial planes.** *16th Conference of the International Federation of Classification Societies, 26-29 Aug 2019, Thessaloniki Concert Hall, Thessaloniki, Greece.*
Research Areas: Spatial Analysis; Data Analysis; Statistics

9.4 Publications in scientific books or series as chapters

- C1.** **Koutsos, T.M.**, Dimopoulos, G. C., Mamolos, A.P., 2011. "Ecological impacts due to hydraulic technical projects to ecosystems near Natura 2000 network" In *Advances in the Research of Aquatic Environment*, p.29-40.
- C2.** **Koutsos, T.M.**, Menexes G. 2017. "Environmental Impact Assessment Requirements and Licensing Procedure for Technical Projects and Activities" In the Honorary Volume with title "Environmental Policy and Regional Development", for Prof. Konstantinos Soutsas. Department of Forestry and Management of Environment and Natural Resources, Faculty of Agriculture and Forestry Sciences, Democritus University of Thrace (in Greek).
- C3.** **Koutsos, T.M.**, Menexes G. 2019. " Methodology for assessing social impacts from the construction and operation of irrigation dams", collective scientific volume titled "Environmental Policy and Regional Development". Issue of the 12th volume of *Forestry and Management of the Environment and Natural Resources* on "Society and the Environment", Thessaloniki: 2019 (in Greek).
- C4.** Menexes, G., **Koutsos, T.M.**, 2020. "Correspondence Analysis and Kriging: Projection of quantitative information on the factorial maps". Full paper written in LaTeX code by author. In *Data Analysis and Rationality in a Complex World, Springer Series “Studies in Classification, Data Analysis, and Knowledge Organization”*.

9.5 Technical reports

- D1. Koutsos, T.M., Menexes G. 2016. **Rules and Guidelines for Creating a Scientific Presentation**, Scientific Editing: Thomas Koutsos, Dr. Georgios Menexes, Department of Agriculture, Aristotle University of Thessaloniki, School of Agriculture, Forestry and Natural Environment A.U.Th. Presented (on 3-3-2017) to the postgraduate students of Department of Geology, School of Geology, Faculty of Sciences, A.U.Th.**
- D2. Koutsos, T.M., Menexes G. 2017. **Conversion of statistical information into "visual narrative" using Infographics**, Scientific Coordination: Dr. Thomas Koutsos, Dr. Georgios Menexes, Department of Agriculture, Aristotle University of Thessaloniki, School of Agriculture, Forestry and Natural Environment, A.U.Th.**
- D3. Koutsos, T.M., Menexes G. 2017. **Systematic Review Methodology**, Scientific Coordination: Dr. Thomas Koutsos, Dr. Georgios Menexes, Department of Agriculture, Aristotle University of Thessaloniki, School of Agriculture, Forestry and Natural Environment, A.U.Th.**
- D4. Koutsos, T.M., Menexes G., Mamolos, A., 2020. **A quick guide to searching for scientific information on the Web of Science**, Coordination: Dr. Thomas Koutsos, Dr. Georgios Menexes, Dr. Andreas Mamolos, Department of Agriculture, Aristotle University of Thessaloniki, School of Agriculture, Forestry and Natural Environment, A.U.Th.**

9.6 Publications for the Public (1)

- E1. Koutsos, T.M. 1999. **Earthquakes**, Scientific Coordination: Dr. Thomas Koutsos, School of Geology, Faculty of Sciences, A.U.Th. This work was presented to a large audience (ΔΠΒ XVI Μ/Κ ΜΠ) on 15-10-1999.**