

CURRICULUM VITAE

Dr. Anastasia A. Angelaki

**Physicist
Laboratory Teaching Staff
University of Thessaly**

Volos, Greece, 2024



PERSONAL DETAILS

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EDUCATION

- 1997** : Diploma in Physics, Physics Department, University of Ioannina, Greece.
- 2004** : PhD in Agricultural Hydraulics: Laboratory of Agricultural Hydraulics, Department of Agriculture, Crop Production & Rural Environment, University of Thessaly, Greece.
Thesis title: *“Study of the hydrodynamic parameters of the unsaturated flow, using laboratory experiments and mathematical modeling”*.

SCHOLARSHIPS

- 2001 – 2002** : Scholar of the Research Committee of University of Thessaly, Greece.

PROFFESIONAL EXPERIENCE

- 1998 – 2000** : Collaborator in a Secondary Education Tutorial School as a Physics teacher, Volos, Greece.
- 1997 – 2004** : Project contractor at the Laboratory of Agricultural Hydraulics, Department of Agriculture, Crop Production & Rural Environment, University of Thessaly, Greece.
- 2004 – 2006** : Project contractor in the Postgraduate Program "Automation in Irrigation, Agricultural Construction and Agricultural Mechanization", of the Department of Agriculture Crop Production & Rural Environment in partnership with the Department of Automation of T.E.I. of Chalkida, Greece.

- 2006 – 2014** : Permanent private law contract holder at the University of Thessaly, Greece (Laboratory of Agricultural Hydraulics, Department of Agriculture, Crop Production & Rural Environment).
- 2014 – σήμερα** : Laboratory Teaching Staff at the Department of Agriculture, Crop Production & Rural Environment, University of Thessaly, Greece. Subject: "Agricultural Hydraulics with emphasis in Soil Physics". (2017-now: A' level of the branch).

TEACHING EXPERIENCE

- 2005** : Contract lecturer, Department of Agriculture, Crop Production & Rural Environment, University of Thessaly, Greece (Course: General Hydraulics, Hydraulics).
- 2007 – 2008** : Contract lecturer, Department of Agriculture, Crop Production & Rural Environment, University of Thessaly, Greece (Course: Hydraulics).
- 2008 – 2009** : Contract lecturer, Department of Agriculture, Crop Production & Rural Environment, University of Thessaly, Greece (Course: Hydraulics).
- 2011 – 2013** : Physics (theory, laboratory and tutorial classes), Department of Agriculture, Crop Production & Rural Environment, (commissioned by the General Assembly of the Department).

- 2012 – 2013** : Hydraulics (laboratory and tutorial classes), Department of Agriculture, Crop Production & Rural Environment, (commissioned by the General Assembly of the Department).
- 2013** : • Hydrology (laboratory and tutorial classes), Department of Agriculture, Crop Production & Rural Environment, (commissioned by the General Assembly of the Department)..
- Irrigation (laboratory and tutorial classes), Department of Agriculture, Crop Production & Rural Environment, (commissioned by the General Assembly of the Department).
- 2014 – 2018** : As Laboratory Teaching Staff of the Department of Agriculture, Crop Production & Rural Environment, having the subject "Agricultural Hydraulics with emphasis in Soil Physics", she taught, (commissioned by the General Assembly of the Department), the following courses:
- Physics and Agrometeorology (laboratory and tutorial classes).
- Hydraulics (laboratory and tutorial classes).
- Hydrology (laboratory and tutorial classes).
- 2018 – 2019** : “Rational Management of Irrigation Water”, postgraduate course of the Postgraduate Program "Sciences and Systems of Sustainable Crop Production" (Course leader).
- 2018 – 2021** : As Laboratory Teaching Staff of the Department of Agriculture, Crop Production & Rural Environment, having the subject "Agricultural Hydraulics with emphasis in Soil Physics", she taught, (commissioned by the General Assembly of the Department), the following courses:
- Physics and Agrometeorology (laboratory and tutorial classes).
- Hydraulics (self-directed teaching, theory, laboratory and tutorial classes).

- Hydrology (self-directed teaching, theory, laboratory and tutorial classes).

2021 – 2023 : As Laboratory Teaching Staff of the Department of Agriculture, Crop Production & Rural Environment, having the subject "Agricultural Hydraulics with emphasis in Soil Physics", she teaches, (commissioned by the General Assembly of the Department), the following courses:

- Physics and Agrometeorology (laboratory and tutorial classes).
- Hydraulics (self-directed teaching, theory, laboratory and tutorial classes).
- Irrigation I (co-teaching, theory, laboratory and tutorial classes).

2023 – today : As Laboratory Teaching Staff of the Department of Agriculture, Crop Production & Rural Environment, having the subject "Agricultural Hydraulics with emphasis in Soil Physics", she teaches, (commissioned by the General Assembly of the Department), the following courses:

- Physics and Agrometeorology (theory (Physics), laboratory and tutorial classes).
- Hydraulics (self-directed teaching, theory, laboratory and tutorial classes).
- Irrigation I (co-teaching, theory, laboratory and tutorial classes).
- Irrigation (assignment of exams)

PARTICIPATION IN COMMITTEES

POSTGRADUATE DISSERTATIONS

1. "Investigation of land use changes in mountainous basins and impacts on runoff"

Postgraduate student: Alkmini Katsada

Three-member Committee:

A. Psilovikos, Professor, Supervisor

E. Farsirotou, Professor

A. Angelaki, PhD, Lab. Teach. St.

2. "Growth of two subjects of shell peanuts in irrigated or dryland field"

Postgraduate student: Apostolos Papaggelis

Three-member Committee:

G. Nanos, Professor, Supervisor

O. Pavli, Assistant Professor

A. Angelaki, PhD, Lab. Teach. St.

GRADUATE DISSERTATIONS

1. "Impact on public health from the application of municipal waste waters"

Student: Stavroula Aratza

Three-member Committee:

M. Sakellariou-Makrantonaki, Professor, Supervisor

A. Angelaki, PhD, Lab. Teach. St.

C. Papanikolaou, Contact lecturer

2. "Growth of the plant mountain tea under full and deficit irrigation"

Student: Maria Lioupi

Three-member Committee:

M. Sakellariou-Makrantonaki, Professor, Supervisor

I. Chalkidis, Assistant Professor

A. Angelaki, PhD, Lab. Teach. St.

3. “Fourth growing season of the crop *Sideritis raeseri* under full irrigation in Velestino, Magnesia”

Student: Stergios Syrmalis

Three-member Committee:

M. Sakellariou-Makrantonaki, Professor, Supervisor

N. Danalatos, Professor

A. Angelaki, PhD, Lab. Teach. St.

4. “Study of the quality characteristics of an aromatic crop under different irrigation doses”

Student: Konstantinos Stoupas

Three-member Committee:

M. Sakellariou-Makrantonaki, Professor, Supervisor

A. Angelaki, PhD, Lab. Teach. St.

C. Papanikolaou, Contact lecturer

5. “Determination of the draining characteristic curve of a group of soils using the Richards method”

Student: Charilaos Kotofolis

Three-member Committee:

A. Dimirkou, Professor, Supervisor

V. Antoniadis, Assistant Professor

A. Angelaki, PhD, Lab. Teach. St.

6. “River Venetikos: Watershed and Flood Management Plans”.

Students: Konstantinos-Anargyros Bardas and Evangelia Bidikoudi

Three-member Committee:

A. Psilovikos, Professor, Supervisor

E. Farsirotou, Professor

A. Angelaki, PhD, Lab. Teach. St.

7. “Climate Change & Water Balance. The Case Study of Lake Vegoritida”.

Student: Ioannis Tsakalos

Three-member Committee:

A. Psilovikos, Professor, Supervisor

E. Farsirotou, Professor

A. Angelaki, PhD, Lab. Teach. St.

8. “Study of irrigation effect on Dioica 88 and Felina 32 varieties of industrial hemp”.

Student: Andromachi Roumelioti

K. Giannoulis, Assistant Professor, Supervisor

N. Danalatos, Professor

A. Angelaki, PhD, Lab. Teach. St.

RESEARCH ACTIVITIES

RESEARCH INTERESTS

- ✓ Water movement, equations of movement, algebraic, numerical and graphical methods, effects in irrigation.
- ✓ Hydraulic parameters of soils under different boundary conditions.
- ✓ Infiltration, drainage, moisture profiles, suction, characteristic curves, applications in irrigation.
- ✓ Simulation and prediction models, neural networks, applications on water movement and irrigation.
- ✓ Water quality and toxicity, effects in irrigation.
- ✓ Applications in the field, applications in irrigation, water saving, rational and sustainable water management.

DISSERTATIONS

- D1.** PhD thesis: *“Study of the hydrodynamic parameters of the unsaturated flow, using laboratory experiments and mathematical modeling”*. pp. 241.
(Grade: unanimously “Excellent”)

SCIENTIFIC PUBLICATIONS

A) Publications in Peer-Reviewed International Scientific Journals

- J 01.** **A. Angelaki**, M. Sakellariou – Makrantonaki, C. Tzimopoulos (2004) «Laboratory experiments and estimation of cumulative infiltration and sorptivity», *Water, Air and Soil Pollution: Focus (WAFO)* entitled: “Protection and Restoration of the Environment”, Kluwer Academic Publishers, 4: 241 – 251.

- J 02.** **A. Angelaki**, M. Sakellariou-Makrantonaki, C. Tzimopoulos (2013) «Theoretical and experimental research of cumulative infiltration», *Transport In Porous Media*, 100: 247 – 257, DOI 10.1007/s11242-013-0214-2.
- J 03.** M. Sakellariou-Makrantonaki, **A. Angelaki**, C. Evangelides, V. Bota, E. Tsianou and N. Floros, (2016) «Experimental determination of Hydraulic Conductivity at unsaturated soil column», *Procedia Engineering* 162(2016), pp. 83–90, DOI 10.1016/j.proeng2016.11.019
- J 04.** Stathopoulou P, Berillis P, Levizou E, Sakellariou-Makrantonaki M, Kormas AK, **Aggelaki A**, Kapsis P, Vlahos N and Mente E (2018) «Basil and Nile tilapia Production in a Small Scale Aquaponic System», 12(4): 001-003 (2018), *Journal of FisheriesSciences.com*
- J 05.** Parveen Sihag, Sahar Mohsenzadeh Karimi, **Anastasia Angelaki**, (2019) Random Forest, M5P and Regression analysis to estimate the field unsaturated conductivity, *Applied Water Science* (2019) 9:129 <https://doi.org/10.1007/s13201-019-1007-8>.
- J 06.** Parveen Sihag, Vijay P. Singh, **Anastasia Angelaki**, Vinod Kumar, Alireza Sepahvand, Evangelia Golia (2019) Modelling of infiltration using artificial intelligence techniques in semi arid in Iran. *Hydrological Sciences Journal* 64(13), pp. 1647-1658 (DOI 10.1080/02626667.2019.1659965)
- J 07.** Balraj Singh, Parveen Sihag, Abbas Parsaie & **Anastasia Angelaki** (2020): Comparative analysis of artificial intelligence techniques for the prediction of infiltration process, *Geology, Ecology, and Landscapes*, DOI: 10.1080/24749508.2020.1833641
- J 08.** Parveen Sihag, **Anastasia Angelaki**, Barkha Chaplot Jain (2020) Estimation of the recharging rate of ground water using Random Forest Technique. *Applied Water Science* 10 (7), 1-11, <https://doi.org/10.1007/s13201-020-01267-3>
- J 09.** **Anastasia Angelaki**, Somvir Singh Nain, Varun Singh & Parveen Sihag (2021) Estimation of models for cumulative infiltration of soil using machine learning methods, *ISH Journal of Hydraulic Engineering*, DOI: 10.1080/09715010.2018.1531274
- J 010.** Golia, E.E., **Angelaki, A.**, Giannoulis, K.D., Skoufogianni, E., Bartzialis, D., Cavalaris, Ch., Vleioras, S. (2021) Evaluation of soil properties, irrigation and solid waste application levels on Cu and Zn uptake by industrial hemp. *Agronomy Research* 19(1), 92–99, <https://doi.org/10.15159/AR.21.016>

- J 011. Anastasia Angelaki**, Parveen Sihag, M. Sakellariou – Makrantonaki, C. Tzimopoulos (2021) The effect of sorptivity on cumulative Infiltration. *Water Science and Technology: Water Supply* 21(2), pp. 606-614 doi: 10.2166/ws.2020.297
- J 012.** Parveen Sihag, Siraj Muhammed Pandhiani, Vikramaditya Sangwan, Munish Kumar, **Anastasia Angelaki** (2022) Estimation of Ground Level O₃ Using Soft Computing Techniques: Case study of Amritsar, Punjab State, India. *International Journal of Environmental Science and Technology* 19, 5563–5570 <https://doi.org/10.1007/s13762-021-03514-9>
- J 013. Angelaki A.**, Dionysidis A., Sihag P., Golia E. (2022) Assessment of contamination management caused by copper and zinc cations leaching and their impact on the hydraulic properties of a sandy and a loamy clay soil. *Land*, 11, 290. <https://doi.org/10.3390/land11020290>
- J 014.** Elpiniki Skoufogianni, Aikaterini Molla, **Anastasia Angelaki**, Evangelia E. Golia (2022). Effect of Bio-nitrogen Fertilization, Plant Density and Irrigation on Physiological and Agronomic Characteristics of *Salvia officinalis* Organic Cultivation. *Universal Journal of Agricultural Research*, 10(6), 804 - 813. DOI: 10.13189/ujar.2022.100618.
- J 015.** Batsilas, I., **Angelaki, A.**, Chalkidis, I. (2023) Hydrodynamics of the Vadose Zone of a Layered Soil Column. *Water*, 15, 221. <https://doi.org/10.3390/w15020221>.
- J 016. Angelaki A.**, Bota V., Chalkidis I. (2023) Estimation of Hydraulic Parameters from the Soil Water Characteristic Curve. *Sustainability*, 15(8):6714. <https://doi.org/10.3390/su15086714>.

B) Publications in Peer-Reviewed International Scientific Conferences

- IC 01.** M. Sakellariou, **A. Angelaki**, A. Kungolos, D. Pateras and N. Tsiropoulos (1998) «Study of water quality and toxicity assessment in former Karla lake reservoir in an agricultural area in Greece», Istanbul Turkey, 4th International Symposium On Waste Management Problems In Agro – Industries, pp. 165 – 172.
- IC 02.** D. Pateras, **A. Angelaki**, P. Dioudis, M. Sakellariou (2000) «Estimation of the potential risk of salinization and sodification using poor quality irrigation water in the basin of the former Karla lake», Valencia Spain, Man and Soil at the 3rd Millenium, 3rd

International Congress of European Society of Soil Conservation (ESSC) , Soil and Water Circle p. 79.

- IC 03. A. Angelaki**, M. Sakellariou – Makrantonaki, C. Tzimopoulos (2002) «Comparison of Green & Ampt and Parlange infiltration equations. Experimental procedure», Athens Greece, 5th International Conference of EWRA on water resources management in the era of transition, pp. 172 – 183.
- IC 04.** M. Sakellariou – Makrantonaki, **A. Angelaki**, C. Tzimopoulos (2002) «Study of the cumulative infiltration of water in a soil sample», Skiathos Island, Greece, 6th International Conference on the Protection and Restoration of the Environment, pp. 521 – 527.
- IC 05. A. Angelaki**, M. Sakellariou – Makrantonaki, C. Tzimopoulos (2004) «Estimation of sorptivity at a sandy soil sample», Mykonos, Greece, oral presentation at the 7th International Conference on the Protection and Restoration of the Environment, proceedings (CD-ROM).
- IC 06.** M. Sakellariou-Makrantonaki and **A. Angelaki** (2007) «Toxicity tests on reclaimed municipal wastewaters», Proceedings of SECOTOX Conference and the International Conference on the Environmental Management Engineering, Planning and Economics, pp. 265-270.
- IC 07.** Sakellariou-Makrantonaki, M., D. Dimakas, **A. Angelaki**, (2008) Determination of bromide and chloride concentrations in drinking water at Pelion mountain (Central Greece). Proceedings of AgEng: International Conference on Agricultural Engineering, 23-25 June Hersonissos, Crete, Greece, OP-1775/1179762.
- IC 08. A. Angelaki**, I. Mpatsilas, M. Sakellariou-Makrantonaki (2008) «Cumulative infiltration of water at a layered soil sample», Proceedings of AgEng: International Conference on Agricultural Engineering, OP-1124/1135683.
- IC 09.** E.E. Golia, V. Antoniadis, **A. Angelaki**, E. Skoufogianni, D. Bartzialis and S. Vleioras (2018) « Study of the reduction of heavy metal concentrations in leafy vegetables using mixtures of compost (Oceanica Posidonia (L.)) and Zeolite» Proceedings of the 5th International Conference on Small and Decentralized Water and Wastewater Treatment Plants (SWAT) pp. 108-114.
- IC 010.** Stathopoulou P., Berillis P., Levizou E., Sakellariou-Makrantonaki M., Kormas A.K., **Aggelaki A.**, Kapsis P., Vlahos N., Mente E. (2018) «Aquaponics: a mutually beneficial

relationship of fish, plants and bacteria», 3rd International Congress on Applied Ichthyology & Aquatic Environment, Hydromedit 2018 pp. 192 – 196.

IC 011. E.E. Golia, E. Skoufogianni, A. Solomou, D. Bartzialis, K. Giannoulis, **A. Angelaki** and S. Vleioras (2021). Chemical Composition and Trace Elements Content of *Sideritis scardica* and *Sideritis montana* spp. (Greek mountain teas) from different geographical origins. Potential effect of soil properties on metal accumulation in tea leaves. 8th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2021), Thessaloniki, Greece, July 20-24.

IC 012. **A. Angelaki** and E.E. Golia (2021) «Effects on onion growth under water-saving irrigation» 8th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2021), Thessaloniki, Greece. <http://cemepe8.civil.auth.gr/poster-presentations/>

IC 013. **Angelaki A.**, Dionysidis A., Golia E.E (2022) Impact of heavy metal contamination to the hydrodynamics of a layered soil sample, Agoecoinfo 2022, Volos Greece (presented and will be published at the e-book of the conference).

IC 014. **Angelaki A.**, Dionysidis A., Sihag Parveen and Golia E.E (2022) Impact of Mn contamination to the hydrodynamics of the vadose zone of a clay soil sample, International Conference on Advanced Earth Sciences & Foundation Engineering (ICASF-2022) (presented and will be published at the open access IOP conference series: Earth and Environmental Science).

C) Publications in Honorary Volumes of Peer-Reviewed International Scientific Conferences

HV IC 01. **A. Angelaki**, M. Sakellariou, D. Pateras and A. Kungolos (1998) «Assessing the quality of natural waters in Magnesia prefecture in Greece using Toxkits», Brno – Czech Republic, International Symposium On New Microbiotests For Routine Toxicity Screening And Biomonitoring. New Microbiotests For Routine Toxicity Screening And Biomonitoring, Special volume of selected papers, pp. 281 – 288.

HV IC 02. K. Eleftheriadis, **A. Angelaki**, A. Kungolos, L. Nalbandian and G. P. Sakellaropoulos (1998) «Assesing the impact of atmospheric wet and dry deposition using chemical and toxicological analysis», Brno – Czech Republic, International Symposium On New Microbiotests For Routine Toxicity Screening And Biomonitoring. New Microbiotests

For Routine Toxicity Screening And Biomonitoring, Special volume of selected papers, pp. 469 – 473.

D) Publications in Peer-Reviewed National Scientific Conferences

- NC 01. **Angelaki A.**, Pitsilka A., Sakellariou-Makrantonaki M. (2011) “Research on the hydrodynamic parameters of a layered soil”, 7th National Conference of ArgEng, 4-12-1.
- NC 02. **A. Angelaki**, S. Konstantakos, P. Kapsosideris, M. Sakellariou-Makrantonaki (2013) “Cumulative infiltration under small pressure head applied on the soil surface”, 8th National Conference of AgrEng, pp. 219-223.
- NC 03. **Angelaki A.**, Sakellariou-Makrantonaki M., Anagnostoulis V. (2017) “Experimental determination of the hysteresis loop for the soil of the experimental farm of University of Thessaly”, 10th National Conference of AgrEng, pp. 242 – 251.
- NC 04. **Angelaki Anastasia**, Konstantakos Stiros, Kapsosideris Philipos, Parveen Sihag, Golia Evangelia, Sakellariou-Makrantonaki Maria, (2019) “Application of the new Tzimopoulos equation on vertical cumulative infiltration of water through loamy sand soil”, 11th National Conference of AgrEng, pp. 378 – 385.
- NC 05. Eirini Karatasiou, Christos Papanikolaou, **Anastasia Angelaki**, Vasileios Giouvanis, Dimitrios Dimakas, Vasiliki Bota, Iraklis Chalkidis, Maria Sakellariou-Makrantonaki (2019), “Irrigation planning using watermarks”, 14th National Conference of the Greek Hydrotechnical Union, pp. 135 – 144.
- NC 06. Angelaki A., Golia E.E. (2023), “Effect of irrigation and soil properties on trace element uptake by onion (*Allium cepa* L.) crop” 16th Conference in Soil Science, pp. 78.

E) Other Presentations in International Scientific Conferences

- OP IC 01. M. Sakellariou – Makrantonaki, E. Tzavela, **A. Angelaki**, P.Vyrlas (2005) «Re – use of municipal wastewaters for irrigation and toxicity evaluation», Skiathos, Greece, oral presentation at 12th International Symposium on Toxicity Assessment.

METRICS

January 2024

SCOPUS

- **277** citations
- h-index: **10**
- h-index excluding self-citations: **9**
- Author position:
 - First author: 21 average citations, average FWCI: **2.072** (2013-2022), (FWCI > 1.00).
 - Co-author: 14 average citations, average FWCI: **1.393** (2013-2022), (FWCI > 1.00).
 - Last author: 27 average citations, average FWCI: **2.887** (2013-2022), (FWCI > 1.00).

*Author Position according to Scopus: *The Author position is the position relating to the responsibilities of an author among the co-authors. The Author position information is derived from the 12 selected documents published in the last 10 years (2013 - 2022).*

*FWCI (Field-Weighted citation impact) according to Scopus: *Field-Weighted Citation Impact shows how well cited this document is when compared to similar documents. A value greater than 1.00 means the document is more cited than expected according to the average.*

- **Documents in top citation percentiles: 83.3%** (percent of documents in the top 25% most cited documents worldwide)
- **Documents in top 25% journals by CiteScore percentile: 40%** (percent of documents in the top 25% journals by CiteScore)
- **Collaboration: 66.7% International collaboration** (percent of documents co-authored with researchers in other countries/regions)

GOOGLE SCHOLAR

- **417** citations, **375** citations the last 5 years
- h-index: **12**, h-index: **11** the last 5 years
- i10-index: **14**, i10-index: **11** the last 5 years

REVIEWER OF SCIENTIFIC JOURNALS AND CONFERENCES

International Scientific Journals

- 1.** Agronomy
- 2.** Air Quality, Atmosphere and Health Journal
- 3.** Applied Sciences
- 4.** Coatings
- 5.** Ecologies
- 6.** Environments
- 7.** Flow Measurement and Instrumentation
- 8.** Geosciences
- 9.** Global Journal of Environmental Science and Management
- 10.** Hydrology
- 11.** Iranian Journal of Science and Technology, Transactions of Civil Engineering
- 12.** Irrigation & Drainage Journal
- 13.** Journal of Hydrology
- 14.** Journal of Irrigation and Drainage Engineering
- 15.** Journal of Soils and Sediments
- 16.** Land
- 17.** Plants
- 18.** Pollution
- 19.** Sensors
- 20.** Soil & Tillage Research
- 21.** Sustainability
- 22.** Water Supply
- 23.** Water

National Scientific Journals

1. Hydrotechnika

International & National Scientific Conferences

1. EWaS International Conferences
2. National Conferences of the Society of Agricultural Engineers (AgrEng)
3. National Conferences of the Greek Hydrotechnical Union

PARTICIPATION IN RESEARCH PROJECTS

RP 01. Research Project of University of Thessaly: "Study of the ability to improve the drainage waters of the Stephanovikion reservoir, through its operation as a wetland" (project contract from 1/1/1998 to 31/3/1999).

RP 02. Research Project of University of Thessaly: "Study of the hydrodynamic parameters of the unsaturated flow, using laboratory experiments and mathematical modeling" (Scholarship of the Research Committee of University of Thessaly, from 1/2/2001 to 31/1/2002).

RP 03. Research Project of University of Thessaly in collaboration with the Municipality of Volos and the Municipal Enterprise of Water and Sewerage of Volos: "Reuse of Municipal Wastewater for irrigation purposes", (project contract from 2/5/2001 to 2/5/2004).

RP 04. Research Project of University of Thessaly: "Impact of irrigation systems on crop production characteristics", (project contract from 1/7/2003 to 2/5/2004).

RP 05. Research Project of University of Thessaly: "Reuse of municipal wastewaters for irrigation with modern technology automated systems", (project contract from 1/7/2007 to 31/12/2007).

RP 06. Postgraduate program: "Automation in irrigation, agricultural constructions and agricultural mechanization" (project contract from 1/10/2004 to 30/4/2006).

LANGUAGES

ENGLISH University of Cambridge, FCE

PC, SOFTWARE

ECDL Progress Certificate, GIS, RETC, HYDRUS, CROPWAT 8.0, Weka 3.9, SPSS, Jamovi

TRAINING-PRESENTATIONS

- (Seminars, Day Conferences, etc.)**
1. 4th National Conference of the Hellenic Committee for Water Resources Management (1999)
 2. 2nd National Conference of Agricultural Engineering (AgrEng) (2000)
 3. Greek agriculture new inflows (2002)
 4. "Reuse of Municipal Wastewaters for Irrigation and Precision Agriculture" (2006)
 5. "Improving the Efficiency of Water Use" (2012)
 6. "Greek Apiculture and its Development Prospects" (2012)
 7. "Innovative Fruit Trees" (2012)
 8. "Business management and cultivation of aromatic and medicinal plants" (2015)
 9. "Development of cooperation between scientific institutions of Greece and Russia in the agricultural sector, the successful Hippophae project" (2016)
 10. "Modern Approaches and New Challenges of Agricultural Research" (2018)

ADMINISTRATIVE EXPERIENCE

- Participation in Committees**
1. Head of the Ionizing Radiation Control Committee of the Faculty of Agricultural Sciences, University of Thessaly.
 2. Member of the Financial Management Committee of the Department of Agriculture, Crop Production & Rural Environment, University of Thessaly.
 3. Member of the Committee for the submission of evaluation questionnaires, for the quality assurance of the Department of Agriculture, Crop Production & Rural Environment, University of Thessaly.
 4. Member of the Committee for University of Thessaly Farm issues.
 5. Member of the Graduate Theses Committee of the Department of Agriculture, Crop Production & Rural Environment, University of Thessaly.
 6. Member of the Committee for Organizing Events and Promotion - Extraversion of the Faculty of Agricultural Sciences, University of Thessaly.

PARTICIPATION IN SCIENTIFIC ORGANIZATIONS

1. Member of the Society of Agricultural Engineers (AgrEng)
2. Member of the Greek Hydrotechnical Union