


SHORT CV

Dr Angelaki Anastasia (PhD)	
Position: Laboratory Teaching Staff	
Field of expertise: Agricultural Hydraulics with emphasis in Soil Physics	
Courses:	<ul style="list-style-type: none">- Physics (undergraduate)- Hydraulics (undergraduate)- Irrigation I (undergraduate)- Hydrology (undergraduate, abolished)- Rational Irrigation Water Management (postgraduate, abolished)
Research interests:	<ul style="list-style-type: none">• Soil Physics, Agrophysics• Soil water movement and simulation• Soil hydrodynamic and physicochemical parameters• Simulation models, prediction models, neural networks, artificial intelligence, applications in the movement of fluids• Water quality, water toxicity• Applications in irrigation
<u>Education</u> Physicist, Graduate Physics Department, School of Sciences, University of Ioannina, Greece. Doctor of Philosophy (PhD) of Agricultural Sciences, Department of Agriculture, Crop Production & Rural Environment, School of Agricultural Sciences, University of Thessaly, Greece. Thesis title: "Study of the hydrodynamic parameters of the unsaturated flow, using laboratory experiments and mathematical modeling". <u>Teaching experience</u> 2005: Contracted Lecturer at Department of Agriculture, Crop Production & Rural Environment, School of Agricultural Sciences, University of Thessaly (Course: General Hydraulics, Hydraulics). 2007-2008: Contracted Lecturer at Department of Agriculture, Crop Production & Rural Environment, School of Agricultural Sciences, University of Thessaly (Course: Hydraulics). 2008-2009: Contracted Lecturer at Department of Agriculture, Crop Production & Rural Environment, School of Agricultural Sciences, University of Thessaly (Course: General Hydraulics). 2011-2013: Teaching Physics (theory & laboratory and tutorial classes) at Department of Agriculture, Crop Production & Rural Environment, School of Agricultural Sciences, University of Thessaly.	

2012-2013: Teaching Hydraulics (laboratory and tutorial classes) at Department of Agriculture, Crop Production & Rural Environment, School of Agricultural Sciences, University of Thessaly.

2013: Teaching Hydrology (laboratory and tutorial classes) at Department of Agriculture, Crop Production & Rural Environment, School of Agricultural Sciences, University of Thessaly.

2013: Teaching Irrigation (laboratory and tutorial classes) at Department of Agriculture, Crop Production & Rural Environment, School of Agricultural Sciences, University of Thessaly.

2014 – 2018: - Teaching Physics (laboratory and tutorial classes) at Department of Agriculture, Crop Production & Rural Environment, School of Agricultural Sciences, University of Thessaly.

- Teaching Hydraulics (laboratory and tutorial classes) at Department of Agriculture, Crop Production & Rural Environment, School of Agricultural Sciences, University of Thessaly.

- Teaching Hydrology (laboratory and tutorial classes) at Department of Agriculture, Crop Production & Rural Environment, School of Agricultural Sciences, University of Thessaly.

2018 – 2020: - Post graduate course coordinator: “Rational Irrigation Water Management”.

2018 – 2021: - Teaching Physics (laboratory and tutorial classes) at Department of Agriculture, Crop Production & Rural Environment, School of Agricultural Sciences, University of Thessaly.

- Teaching Hydraulics (theory & laboratory and tutorial classes) at Department of Agriculture, Crop Production & Rural Environment, School of Agricultural Sciences, University of Thessaly.

- Teaching Hydrology (theory & laboratory and tutorial classes) at Department of Agriculture, Crop Production & Rural Environment, School of Agricultural Sciences, University of Thessaly.

- Instructor of the course “Rational Irrigation Water Management” of the Postgraduate program “Science and Systems Approach on Sustainable Crop Production”.

2021 – Today: - Teaching Physics (laboratory and tutorial classes) at Department of Agriculture, Crop Production & Rural Environment, School of Agricultural Sciences, University of Thessaly.

- Teaching Hydraulics (theory & laboratory and tutorial classes) at Department of Agriculture, Crop Production & Rural Environment, School of Agricultural Sciences, University of Thessaly.

- Teaching Irrigation I (theory & laboratory and tutorial classes) at Department of Agriculture, Crop Production & Rural Environment, School of Agricultural Sciences, University of Thessaly.

Research

Participation in 5 research projects. Publications: 1 Thesis (PhD), 32 published papers (13 in peer-reviewed journals, 12 in international conference proceedings, 5 in national conference proceedings, 2 honorary international conference volumes).

Five Indicative Publications:

- 1. 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>

2. **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
3. **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
4. 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>
5. 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).

Reviewer at several scientific journals (e.g. *Irrigation & Drainage*, *Journal of Hydrology*, *Soil & Tillage Research*, *Flow Measurement and Instrumentation*, *Journal of Irrigation and Drainage Engineering*, *Global Journal of Environmental Science and Management*, etc.), also reviewer at several international and national conferences.

Member of several graduate and post graduate thesis committees.

Experience in administration

- Head of Ionization Radiation Audit Committee of School of Agricultural Sciences, University of Thessaly.
- Member in several Administrative Committees of the Department of Agriculture Crop Production & Rural Environment, School of Agricultural Sciences, University of Thessaly.

Scholarships

2001-2002: Scholarship obtained by the Research Committee of University of Thessaly.