

## BRIEF CURRICULUM VITAE

- 1. Name** **Stamatios ELMALOGLOU.**  
Son of Kimon and Konstantina Elmaloglou
- 2. Nationality** Hellenic
- 3. Date and Place of birth** 1 February 1952, Athens, Greece.
- 4. Post held** Professor (Computational Soil Hydrology).
- 5. Work address** Agricultural University of Athens, Department of Natural Resources Development and Agricultural Engineering, Laboratory of Agricultural Hydraulics.  
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e-mail : [elma@aua.gr](mailto:elma@aua.gr)  
ULR : <http://afp.aua.gr/>
- 6. First degree** **Diploma** of Civil Engineering,  
[National Technical University of Athens](#), 1970-1975.
- 7. Post graduate studies** **Diploma** of Hydraulic Engineering (Special Section),  
[National Polytechnic Institute of Grenoble](#), ([ENSHMG - Ecole Nationale Supérieure d'Hydraulique et de Mécanique de Grenoble](#)), France, 1975-76.  
**M.Sc.** (D.E.A) in Fluid Mechanics (transport in porous media),  
[University of Grenoble](#), ([LTHE Laboratoire d'étude des Transferts en Hydrologie et Environnement](#)), France, 1976-77.  
**Ph.D.** (Docteur Ingenieur) in Fluid Mechanics (transport in porous media), [University of Grenoble](#), France, 1977-80.
- 8. Languages** Greek (mother tongue), French (advanced), English (reading ability).
- 9. Research activities** Saturated soil-water movement. Soil water flow and solute transport. Soil water dynamics under drip irrigation. Deterministic models. Water movement in the Soil-Plant-Atmosphere Continuum.

## 10. List of publications

### 10.1. Monographs

1. "Quelques aspects de la caractérisation du transfert vertical d'un soluté dans un sol naturel". D.E.A. **Institut de Mécanique de Grenoble**. Septembre 1977.

**Supervisors:** *Dr. Georges Vachaud and Dr. Jean Paul Gaudet*

2. "Effets des stratifications sur les transferts de matières dans les sols". Thèse de docteur Ingénieur. **Institut de Mécanique de Grenoble**. Mars 1980.

**Supervisors:** *Dr. Georges Vachaud and Dr. Jean Paul Gaudet*

### 10.2. Papers in Reviewed International Scientific Journals of [ISI Web of SCIENCE](#)

1. A.Poulovassilis, **S.Elmaloglou**, P.Kerkides and I.Argyrokastritis. "A variable sorptivity infiltration equation". **Water Resources Management**, 3 (4): 287-298, 1989.

2. A.Poulovassilis, P.Kerkides, **S.Elmaloglou** and I.Argyrokastritis. "An investigation of the relationship between ponded and constant flux rainfall infiltration". **Water Resources Research**, 27 (7): 1403-1409, 1991.

3. A.Poulovassilis, P.Kerkides, **S.Elmaloglou** and I.Argyrokastritis. Reply to comment on "An investigation of the relationship between ponded and constant flux rainfall infiltration" by Dooge J.C.I. and Q.J.Wang, **Water Resources Research**, 29 (4): 1339-1340, 1993.

4. **S.Elmaloglou** and G.Grigorakis. "Linear and Nonlinear models of infiltration from surface line source of trickle irrigation", **I.C.I.D. Journal (Journal of the International Commission on Irrigation and Drainage)**, 46 (2): 81-92, 1997.

5. P.Kerkides, A.Poulovassilis, I.Argyrokastritis and **S.Elmaloglou**. "Comparative evaluation of analytic solutions in predicting soil moisture profiles in vertical one-dimensional infiltration under ponded and constant flux boundary conditions", **Water Resources Management**, 11 (5): 323-338, 1997.

6. J.Tsiros, **S.Elmaloglou** and R.Ambrose. "A comparative study of two methods for modeling soil water regime in agricultural fields", **Water Resources Management**, 12 (4): 285-293, 1998.

7. **S.Elmaloglou** and N.Malamos. "Analysis of soil water movement under a trickle surface line source for irrigation design purposes", **I.C.I.D. Journal**, 48 (1): 53-60, 1999.

8. **S.Elmaloglou** and N.Malamos. "Simulation of soil moisture content of a prairie field with SWAP93", **Agricultural Water Management**, 43: 139-149, 2000.

9. **S.Elmaloglou** and N.Malamos. "A method to estimate soil-water movement under a trickle surface line source, with water extraction by roots", **Irrigation and Drainage**, 52(3): 2003.

10. **S.Elmaloglou** and N.Malamos. "Estimation of the wetted soil volume depth, under a surface trickle line source, considering evaporation and water extraction by roots", **Irrigation and Drainage**, 54(4): 417-430, 2005.

11. **S.Elmaloglou** and N.Malamos. "A methodology for determining the surface and vertical components of the wetting front under a surface point source, with root water-uptake and evaporation", **Irrigation and Drainage**, 55(1): 99-111, 2006.

12. **S.Elmaloglou** and N.Malamos. "Estimation of width and depth of the wetted soil volume under a surface emitter, considering root water-uptake and evaporation", [Water Resources Management](#), 21(8): 1325-1340, 2007.
13. **S.Elmaloglou** and E.Diamantopoulos. "Wetting front advance patterns and water losses by deep percolation under the root zone as influenced by pulsed drip irrigation", [Agricultural Water Management](#), 90(1-2): 160-163, 2007.
14. **S.Elmaloglou** and E.Diamantopoulos. "The effect of hysteresis on three-dimensional transient water flow during surface trickle irrigation", [Irrigation and Drainage](#), 57(1): 57-70, 2008.
15. **S.Elmaloglou** and E.Diamantopoulos. "The effect of intermittent water application by surface point sources on the soil moisture dynamics and on deep percolation under the root zone", [Computers and Electronics in Agriculture](#), 62(2): 266-275, 2008.
16. **S.Elmaloglou** and E.Diamantopoulos. "Effects of hysteresis on redistribution of soil moisture and deep percolation at continuous and pulse drip irrigation", [Agricultural Water Management](#), 96(3): 533-538, 2009.
17. **S.Elmaloglou** and E.Diamantopoulos. "Simulation of soil water dynamics under subsurface drip irrigation from line sources", [Agricultural Water Management](#), 96(11): 1587-1595, 2009.
18. **S.Elmaloglou**, E.Diamantopoulos and N.Dercas. "Comparing soil moisture under trickle irrigation modeled as a point and line source", [Agricultural Water Management](#), 97(3): 426-432, 2010.
19. **S.Elmaloglou** and E.Diamantopoulos. "Soil water dynamics under surface trickle irrigation as affected by soil hydraulic properties, discharge rate, dripper spacing and irrigation duration", [Irrigation and Drainage](#), 59(3): 254-263, 2010.
20. E.Diamantopoulos and **S.Elmaloglou**. "The effect of drip line placement on soil water dynamics in the case of surface and subsurface drip irrigation", [Irrigation and Drainage](#), 61(5): 622-630, 2012.
21. **S.Elmaloglou** K.X.Soulis and N.Dercas. "Simulation of soil water dynamics under surface drip irrigation from equidistant line sources", [Water Resources Management](#), 27: 4131-4148, 2013.
22. **S.Elmaloglou** and K.X.Soulis. "The effect of hysteresis on soil water dynamics during surface trickle irrigation in layered soils" [Global NEST Journal](#), 15(3): 351-365, 2013.
23. K.X.Soulis, **S.Elmaloglou** and N.Dercas. "Investigating the effects of soil moisture sensors positioning and accuracy on soil moisture based drip irrigation scheduling systems". [Agricultural Water Management](#), 148: 258-268, 2015.
24. K.X.Soulis and **S.Elmaloglou**. "Optimum soil water content sensors placement in drip irrigation scheduling systems: Concept of Time Stable Representative Positions". [Journal of Irrigation and Drainage Engineering](#), 142(11), NOV 2016.
25. K.X.Soulis and **S.Elmaloglou**. "Optimum soil water content sensors placement for surface drip irrigation scheduling in layered soils". [Computers and Electronics in Agriculture](#), 152: 1-8, 2018.

## **11. Books**

1. **S.Elmaloglou.** "Numerical Simulation of Physical Problems related to Agricultural & Environmental Hydraulics" 265 p.p., 2009, (in Greek).
2. **S.Elmaloglou.** "Introduction to Drainage of Agricultural Soils and Drainage Systems" 232 p.p., 2012. (in Greek).

## **12. Selected Professional Affiliations and Activities**

*Member:* Technical Chamber of Greece (TEE, ID=21478), since 1975  
Greek Society of Civil Engineers, since 1975  
Hellenic Hydrotechnical Society (EYE), since 1982

*Reviewer:* Hydrotechnika, Journal of Hellenic Hydrotechnical Association  
Irrigation Science Journal  
Environmental Modelling & Software Journal  
Journal of Hydrologic Engineering  
Journal of Irrigation and Drainage Engineering  
Plant and Soil Journal  
Water Resources Management Journal  
Journal of Hydrology  
Journal of Agricultural Water Management

## **13. Honours and awards**

Scholarships of French Government in 1977-78, 1978-79, 1979-80 (during postgraduate studies).  
Included in the Marquis Who's Who in the World, since 2009.

## **14. Administrative Responsibilities**

*Deputy President* of the Technical Board of the Agricultural University of Athens (12/05/2008-19/05/2011)

*Director* of the Water Resources Division, Department of Natural Resources and Agricultural Engineering (1/9/2011- ).

*Director* of the Agricultural Hydraulics Laboratory, Department of Natural Resources and Agricultural Engineering (1/11/2016- ).

## 15. Doctorate Thesis Supervision

1. *Malamos Nikolaos*. “Simulation of the Soil - Plant - Atmosphere Continuum in the case of local infiltration from line and point trickle sources”. November 2005.

Dr. Nikolaos Malamos  
Assistant Professor  
Technological Educational Institute of Western Greece  
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2. *Diamantopoulos Efstathios*. “Mathematical simulation of infiltration and redistribution from equidistant surface point sources in cultivated fields in the case of continuous and pulse drip irrigation”. February 2010.

Dr. Efstathios Diamantopoulos  
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