

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.
30 Simadira Street, Athens 104 45, Greece.
Married with Anna Avramidou,
two children: Ariadni Elmaloglou, Konstantina Elmaloglou
- 6. Post held** Professor (Computational Soil Hydrology).
- 7. Work address** Agricultural University of Athens, Department of
Natural Resources Development and Agricultural Engineering,
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- 8. First degree** **Diploma** of Civil Engineering,
[National Technical University of Athens](#), 1970-1975.
- 9. 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.
- 10. Languages** Greek (mother tongue), French (advanced), English (reading ability).
- 11. 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.

12. List of publications

12.1. 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*

12.2. 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.

13. 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).

14. 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

15. 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.

16. 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-).

17. 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

Lecturer

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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

Post-Doctoral Research Scientist

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