



## **CURRICULUM VITAE**

**Evangelos N. Keramaris**

**Assistant Professor**

University of Thessaly, School of Engineering, Department of Civil Engineering,  
Laboratory of Hydromechanics and Environmental Engineering  
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### **1. Academic Positions**

01/06/2016 – today : Assistant Professor, Department of Civil Engineering, University of Thessaly with module “Experimental Hydraulics” (FEK 491, Issue Γ, 01/06/2016). Member of Laboratory of Hydromechanics and Environmental Engineering (Director : Professor A. Liakopoulos).

26/06/2014 – 01/06/2016 Lecturer, Department of Civil Engineering, University of Thessaly with module “Experimental Hydraulics” (FEK 804, Issue Γ, 26/06/2014).

### **2. Education**

- 1989-1994 : Diploma of Aristotle University of Thessaloniki, Department of Civil Engineering, Division of Hydraulic and Environmental Engineering, **grade 7.36.**
- 1995-1996 : MSc Department of Civil Engineering, Division of Hydraulic and Environmental Engineering

- 1996-2001 : PhD, Department of Civil Engineering, Division of Hydraulic and Environmental Engineering, **grade 10**.
- August 2003 : Supervision of short course «Integrated River and Coastal Zone Management», 30<sup>th</sup> International Association of Hydraulic Research Congress, Thessaloniki, Greece.
- April 2015 : Supervision of workshop «2<sup>nd</sup> Workshop for the Fatigue of Materials Used in Vascular Surgery», Thessaloniki, Greece.

### **3. Other Skills**

- Excellent knowledge of graphics package Grapher
- Excellent knowledge Labview program
- Languages: English, Italian

### **4. Research Interests**

- Experimental Measurements (Hot-Film Anemometry, Particle Image Velocimetry)
- Flows in Porous Media
- Gravity Currents in Lock-Exchange Experiments
- Buoyant Jets in Open Channels and Tanks

### **5. Courses**

#### *Today*

Teaching of 3 courses in Department of Civil Engineering in University of Thessaly.

Specifically :

1. **Experimental Hydraulics** (8th Semester / from 2010-11)
  2. **Environmental Fluid Mechanics** (9th Semester / from 2012-13)
  3. **Unsteady Flows** (9th semester / from 2012-13)
- 2<sup>nd</sup> Semester 2017-18 : Teaching of «**Hydraulics**» (5<sup>th</sup> semester) of University of Thessaly, Department of Civil Engineering, Division of Hydraulic and Environmental Engineering (co-teaching with Associate Professor Kanakoudis V.)
  - 2<sup>nd</sup> Semester 2017-18 : Visiting Professor of Alexander Technological Educational Institute of Thessaloniki, Department of Civil Infrastructure Engineering, Division of Hydraulic and Environmental Engineering «**Hydraulics I**» (3<sup>th</sup> semester) theory.

- 2<sup>nd</sup>Semester 2017-18 : Visiting Professor of Alexander Technological Educational Institute of Thessaloniki, Department of Civil Infrastructure Engineering, Division of Hydraulic and Environmental Engineering «**Water Supply**» (5<sup>th</sup> semester) theory.
- 1<sup>st</sup>Semester 2018-19 : Visiting Professor of Alexander Technological Educational Institute of Thessaloniki, Department of Civil Infrastructure Engineering, Division of Hydraulic and Environmental Engineering «**Hydraulics II**» (4<sup>th</sup> semester) theory.
- 1<sup>st</sup>Semester 2018-19 : Visiting Professor of Alexander Technological Educational Institute of Thessaloniki, Department of Civil Infrastructure Engineering, Division of Hydraulic and Environmental Engineering «**Drainage**» (6<sup>th</sup> semester) theory.
- Past
- 1/10/1996-30/6/2000 : Assistant at laboratory exercises of a) «**Fluid Mechanics**» (3<sup>rd</sup> Semester) and b) «**Hydraulics**» (4<sup>th</sup> semester) for Civil Engineering Dept., Aristotle University of Thessaloniki.
- 26/03/2002-12/07/2013 : Research Associate of Alexander Technological Educational Institute of Thessaloniki, Department of Civil Infrastructure Engineering, Division of Hydraulic and Environmental Engineering «**River Mechanics**» (7<sup>th</sup> Semester) theory and laboratory exercises.
- 06/11/2003-12/07/2013 : Research Associate of Alexander Technological Educational Institute of Thessaloniki, Department of Civil Infrastructure Engineering, Division of Hydraulic and Environmental Engineering «**Hydrology-Groundwater Hydraulics**» (4<sup>th</sup>semester) theory and laboratory exercises.
- 16/03/2004-21/02/2006 : Research Associate of Alexander Technological Educational Institute of Thessaloniki, Department of Civil Infrastructure Engineering, Division of Hydraulic and Environmental Engineering «**Water Supply**» (5<sup>th</sup> semester) theory.
- 01/10/2007-12/07/2013 : Research Associate of Alexander Technological Educational Institute of Thessaloniki, Department of Civil Infrastructure Engineering, Division of Hydraulic and Environmental Engineering «**Hydraulics II**» (4<sup>th</sup> semester) theory and laboratory exercises.
- 01/09/2010-02/07/2014 : Visiting Professor of University of Thessaly, Department of Civil Engineering, Division of Hydraulic and Environmental Engineering «**Experimental Hydraulics**» (8<sup>th</sup> semester).
- 17/10/2012-02/07/2014 : Visiting Professor of University of Thessaly, Department of Civil Engineering, Division of Hydraulic and Environmental Engineering «**Unsteady Flows**» (9<sup>th</sup> semester).

- 17/10/2012-02/07/2014 : Visiting Professor of University of Thessaly, Department of Civil Engineering, Division of Hydraulic and Environmental Engineering «**Environmental Fluid Mechanics**» (9<sup>th</sup> semester).
- 01/03/2014-02/07/2014 : Visiting Professor of University of Thessaly, Department of Civil Engineering, Division of Hydraulic and Environmental Engineering «**Flows in Natural and Artificial Open Channels**» (8<sup>th</sup> semester).
- 2<sup>nd</sup> Semester 2014-15 : Teaching of «**Hydraulics**» (5<sup>th</sup> semester) of University of Thessaly, Department of Civil Engineering, Division of Hydraulic and Environmental Engineering (co-teaching with Lecturer Katsardi V.)

TEACHING EVALUATION FROM UNDERGRADUATE STUDENTS :GRADE**4.61/5.00**  
(Average of the Department **4.04/5.00**).

## **6. Research Projects**

### *Participating in research Projects*

1. 04/10/1994 - 12/11/1994: Worked as an External Expert (contracted) in a research project implemented by the Civil Engineering Dept. of the Aristotle University of Thessaloniki (financed by the Water Utility of Thessaloniki - OUTH) in the field of hydraulic and environmental engineering entitled «Public poll by OUTH on the Public's reaction regarding drinking water supply and water issues in general».
2. 01/01/1999 - 31/03/1999: Worked under an employment contract in a research project entitled «Upgrading the civil engineering Studies by introducing of modern methods and tools of education» implemented by the Civil Engineering Dept. of the Aristotle University of Thessaloniki.
3. 21/04/2013 - 30/06/2013: Worked under an employment contract in a research project entitled «1) Upgrading the experimental procedure of the flow in an channel with periodical grooves in the bed a) with flow under pressure, b) with free surface flow, 2) Investigation of the possibility to study the flow with the PIV system of the Laboratory of Hydromechanics and Environmental Engineering» implemented by the Civil Engineering Dept. of the University of Thessaly.
4. 10/04/2013 - 31/08/2015: Worked as a Staff member in the research project "Archimedes III – research groups in Alexander TEI of Thessaloniki» MIS 383572 code «education and lifelong learning» [Sub-project 33 entitled «Optimum design of the communication of lateral harbor with main flow. Application to small ports and Fishponds»].

5. 27/06/2017-31/08/2018: Worked as a Staff member in the research project «International Conferenced EWaS3 (27-30/06/2018 Lefkada)» with code 5404.

## **7. Publications**

### **TOTAL PUBLICATIONS: 66**

#### **PhD Thesis: 1**

#### **In Journals: 35**

- *In International Journals: 31*
- *In Greek Journals: 3*
- *In Greek Special Issues: 1*

#### **In Conferences: 30**

- *in International Conferences: 15*
- *in Greek Conferences: 15*

#### **PhD Thesis**

**Keramaris E.**, (2001) «Turbulent Flow I an Open Channel with a Porous Bed», PhD Thesis, Aristotle University of Thessaloniki, Department of Civil Engineering.

#### **A) Publications in International Journals**

**A.1.** Prinos P., Sofialidis D., **Keramaris E.**, (2003) «Turbulent Flow Over and Within a Porous Bed», *Hydraulic Engineering*, ASCE, 129(9): 720-733, ASCE.

**DOI:** [http://dx.doi.org/10.1061/\(ASCE\)0733-9429\(2003\)129:9\(720\)](http://dx.doi.org/10.1061/(ASCE)0733-9429(2003)129:9(720))

**A.2.** **Keramaris E.**, Prinos P., (2009) «Flow Characteristics in Open Channels with Permeable Bed», *Porous Media*, Begell House, 12 (2): 155-165. **DOI:** [10.1615/JPorMedia.v12.i2](https://doi.org/10.1615/JPorMedia.v12.i2)

**A.3.** **Keramaris E.**, (2010) «Comparison between different porous bed (porous filter and rods bundle) in open channels», *Porous Media*, Begell House, 13(2): 183-193.

**DOI:** [10.1615/JPorMedia.v13.i2.80](https://doi.org/10.1615/JPorMedia.v13.i2.80)

- A.4.** Pechlivanidis G., **Keramaris E.**, Pechlivanidis I., Samaras G., (2012) «Measurements of Turbulent Characteristics in an Open Channel Using PIV (Particle Image Velocimetry)», *GlobalNEST*, 14(3): 378-385.
- A.5.** **Keramaris E.**, (2012) «The Impact of Vegetation on the Characteristics of the Flow in an Inclined Open Channel using the PIV Method», *Water Resources and Ocean Science*, Science Publishing Group, 1(1): 1-8. **DOI:** [10.11648/j.wors.20120101.11](https://doi.org/10.11648/j.wors.20120101.11)
- A.6.** **Keramaris E.**, Pechlivanidis G., (2013) «PIV Measurements Over a Permeable and an Impermeable Bed», *Porous Media*, Begell House, 16(1): 21-28. **DOI:** [10.1615/JPorMedia.v16.i1.30](https://doi.org/10.1615/JPorMedia.v16.i1.30)
- A.7.** Savvidis Y., Zafiriou S., **Keramaris E.**, (2013) «Energy Production form Sea Waves and Currents», *Environmental Protection and Ecology*, BENA, 14(3): 922-932.
- A.8.** Pechlivanidis G., **Keramaris E.**, Pechlivanidis I., (2015) «Experimental Study of the Effects of Permeable Bed (Grass Vegetation and Gravel Bed) on the Turbulent Flow Using Particle Image Velocimetry», *Turbulence*, Taylor and Francis, 16(1): 1-16. **DOI:** [10.1080/14685248.2014.946605](https://doi.org/10.1080/14685248.2014.946605)
- A.9.** Pechlivanidis G., **Keramaris E.**, Pechlivanidis I., Samaras G., (2015) «Shear Stress Estimation at the Linear Zone Over Impermeable and Permeable Bed in Open Channels», *Desalination and Water Treatment*, Taylor and Francis, 54(8): 2181-2189. **DOI:** [10.1080/19443994.2014.933622](https://doi.org/10.1080/19443994.2014.933622)
- A.10.** **Keramaris E.**, (2015) «Effects of Inclined Impermeable Bed on the Turbulent Characteristics of the Flow using Particle Image Velocimetry», *Turbulence*, Taylor and Francis, 16(6): 540-554. **DOI:** [10.1080/14685248.2015.1016163](https://doi.org/10.1080/14685248.2015.1016163)
- A.11.** **Keramaris E.**, Pechlivanidis G., (2015) «The influence of transition from vegetation to gravel bed and vice versa in open channels using the PIV Method», *Water Utility*, EWRA Publishing, (10): 37-43.
- A.12.** **Keramaris E.**, Pechlivanidis G., Pechlivanidis I., (2015) «The different impact of a half-separated gravel and vegetated bed in open channels», *Environmental Processes*, Springer, 2(1): 123-132. **DOI:** [10.1007/s40710-015-0103-5](https://doi.org/10.1007/s40710-015-0103-5)
- A.13.** **Keramaris E.**, Prinios P., (2015) «Gravity Currents in a Vegetated Valley of Trapezoidal Shape», *Applied Fluid Mechanics*, IUT Publisher, 9(3): 1051-1056.
- A.14.** **Keramaris E.**, (2016) «Velocity Distribution in open channels with sand:An experimental study», *Civil, Environmental, Structural, Construction and Architectural Engineering*, Waset.org publication, 10(4): 422-426.
- A.15.** **Keramaris E.**, Pechlivanidis G., (2016) «Inclined Open Channels : The Influence of Bed in Turbulent Characteristics of the Flow», Notes on Numerical Fluid Mechanics and Multidisciplinary

Design, *Advances in Fluid-Structure Interaction*, Springer 133: 75-88. [DOI:10.1007/978-3-319-27386-0\\_5](https://doi.org/10.1007/978-3-319-27386-0_5)

**A.16.** Kanakoudis V., Karatzas G., **Keramaris E.**, (2016) «Preface/Guest Editorial: The 2<sup>nd</sup> EWaS International Conference on Efficient and Sustainable Water Systems Toward Worth Living Development», *Procedia Engineering Journal*, Elsevier, 162: 1-2. [DOI:10.1016/j.proeng.2016.11.001](https://doi.org/10.1016/j.proeng.2016.11.001)

**A.17.** **Keramaris E.**, Pechlivanidis G., (2016) «The behaviour of a turbulent buoyant jet into flowing environment», *Procedia Engineering Journal*, Elsevier, 162: 120-127. [DOI:10.1016/j.proeng.2016.11.027](https://doi.org/10.1016/j.proeng.2016.11.027)

**A.18.** Pechlivanidis G., Savvidis Y., **Keramaris E.**, Koutitas C., (2016) «Investigation of the optimum connection of a fish pond with the adjacent main riverine flow», *Procedia Engineering Journal*, Elsevier, 162: 349-356 [DOI:10.1016/j.proeng.2016.11.074](https://doi.org/10.1016/j.proeng.2016.11.074)

**A.19.** **Keramaris E.**, Pechlivanidis G., Kasiteropoulou D., Michalolias N., Liakopoulos A., (2016) «Experimental and numerical analysis in open channel turbulent flow», *Procedia Engineering Journal*, Elsevier, 162: 381-387. [DOI:10.1016/j.proeng.2016.11.078](https://doi.org/10.1016/j.proeng.2016.11.078)

**A.20.** **Keramaris E.**, (2016) «Similarities and differences between hot-film anemometry and particle image velocimetry measurements in open channels», *Procedia Engineering Journal*, Elsevier, 162: 388-395. [DOI:10.1016/j.proeng.2016.11.079](https://doi.org/10.1016/j.proeng.2016.11.079)

**A.21.** **Keramaris E.**, Prinou P., (2016) «Effect of cross sectional shape on gravity currents in vegetated valleys», *International Journal of Advances in Mechanical and Civil Engineering*, Institute of Research and Journals, 3(6): 35-39, [DOI:IJAMCE-IRAJ-DOI-6385](https://doi.org/10.1016/j.ijamce-iraj.2016.06.001)

**A.22.** **Keramaris E.**, Pechlivanidis G., (2017) «Effects of different porous beds on turbulent characteristics in an open channel above the porous bed», *Flow Measurement and Instrumentation*, Elsevier, 54: 20-26. [DOI:10.1016/j.flowmeasinst.2016.11.007](https://doi.org/10.1016/j.flowmeasinst.2016.11.007)

**A.23.** **Keramaris E.**, (2017) «Turbulence structure in uniform inclined open channel flow over different rough porous beds», *Sediment Research*, Elsevier, 32: 45-52. [DOI:http://dx.doi.org/10.1016/j.ijsrc.2016.04.006](http://dx.doi.org/10.1016/j.ijsrc.2016.04.006)

**A.24.** **Keramaris E.**, Pechlivanidis G., (2017) «The influence of the kind of the permeable bed and channel width in inclined open channels», *ISH Journal of Hydraulic Engineering*, Taylor and Francis, 23(2): 118-125. [DOI:10.1080/09715010.2016.1242384](https://doi.org/10.1080/09715010.2016.1242384)

**A.25.** Savvidis Y., **Keramaris E.**, Pechlivanidis G., Koutitas C., (2017) «Optimum design of the entrance of a fishpond laterally to the main stream of an open channel», *Environmental Science and Pollution Research*, 24(25), 20122-20133, Springer. [DOI: 10.1007/s11356-017-8696-z](https://doi.org/10.1007/s11356-017-8696-z)

- A.26.** Michalolias N., Kasiteropoulou D., **Keramaris E.**, Liakopoulos A., (2017) «Numerical modelling and analysis of turbulent flow in an open channel with submerged vegetation», *Environmental Processes*, Springer, 217(4): 47-61. **DOI:** [10.1007/s40710-017-0235-x](https://doi.org/10.1007/s40710-017-0235-x)
- A.27. Keramaris E.**, (2017) «Preface: The 2<sup>nd</sup> EWaS International Conference on Efficient and Sustainable Water Systems Toward Worth Living Development», *Special Topics and Reviews in Porous Media: An International Journal*, Begell House, 8(2): v-vi, **DOI:** [10.1615/SpecialTopicsRevPorousMedia.2017020499](https://doi.org/10.1615/SpecialTopicsRevPorousMedia.2017020499)
- A.28. Keramaris E.**, Kasiteropoulou D., Liakopoulos A., Michalolias N., Pechlivanidis G., (2017) «A study of flow in open channels with vegetation: Experiments and numerical models», *Special Topics and Reviews in Porous Media: An International Journal*, Begell House, 8(2): 109-129, **DOI:** [10.1615/SpecialTopicsRevPorousMedia.2017019692](https://doi.org/10.1615/SpecialTopicsRevPorousMedia.2017019692)
- A.29.** Savvidis Y., **Keramaris E.**, (2017) «Numerical study of particle transport in a river with a lateral harbor basin», *Special Topics and Reviews in Porous Media: An International Journal*, Begell House, 8(2): 127-135, **DOI:** [10.1615/SpecialTopicsRevPorousMedia.2017020002](https://doi.org/10.1615/SpecialTopicsRevPorousMedia.2017020002)
- A.30. Keramaris E.**, (2017) «The impact of the instrument in velocity measurements in an open channel with porous bed», *Special Topics and Reviews in Porous Media: An International Journal*, Begell House, 8(2): 137-144, **DOI:** [10.1615/SpecialTopicsRevPorousMedia.2017019004](https://doi.org/10.1615/SpecialTopicsRevPorousMedia.2017019004).
- A.31. Keramaris E.**, (2017) «The influence of different type of permeable bed (flexible vegetation and inflexible rods bundle) in gravity currents», *Special Topics and Reviews in Porous Media: An International Journal*, Begell House, 8(2): 159-166, **DOI:**[10.1615/SpecialTopicsRevPorousMedia.2017020421](https://doi.org/10.1615/SpecialTopicsRevPorousMedia.2017020421)

## **B) Publications in Greek Journals**

- B.1. Keramaris E.**, Prinos P., (2006) «Measurement of Discharge with Permeable Broad-Crested Weirs», *Hydrotehnika*, 16: 73-82.
- B.2. Keramaris E.**, Prinos P., (2009) «Hot-Film Measurements of Turbulent Flow in an Open Channel with a Permeable Bed», *Hydrotehnika*, 18-19: 3-20.
- B.3.** Savvidis I., **Keramaris E.**, Pechlivanidis G., Koutitas C., (2017) «Computation of Optimum WaterCourse Flow Velocity for Sustainable Operation of a Fish Reservoir Laterally to the Flow», *Hydrotehnika*, 26: 41-52.



## **Γ) Publications in Greek Special Issues**

**Γ.1. Keramaris E.,** (2014) «Experimental studies of turbulent flow over permeable and impermeable bed», Advances in Civil Engineering Research, A Collection of Articles on the Occasion of the Twentieth Anniversary of the Founding of the Civil Engineering Department, University of Thessaly, 187-198.

## **Δ) Publications in International Conferences**

**Δ.1. Prinos P., Keramaris E.,** (1998) «Characteristics of Turbulent Flow over a Porous Bed», Proc. of 3<sup>rd</sup> International Conference on Hydrosience and Engineering (ICHE), (full paper available in CD-ROM), Cottbus/Berlin, Germany, September 1998.

**Δ.2. Keramaris E., Prinos P.,** (2003) «Measurements and Instrumentation in Hydraulic Research», Proc. of 30<sup>th</sup> International Association of Hydraulic Research Congress (IAHR), Theme E: 211-215, Thessaloniki, Greece, August 2003.

**Δ.3. Keramaris E., Prinos P.,** (2007) «Turbulent flow in an open channel with vegetation», Proc. of 32<sup>th</sup> International Association of Hydraulic Research Congress (IAHR), (Abstract pag.164), (full paper available in CD-ROM), Venice, Italia, July 2007.

**Δ.4. Keramaris E., Prinos P.,** (2008) «Gravity currents over a vegetated bed», Proc. of International Conference on Fluvial Hydraulics, RiverFlow 2008, 1: 305-310, Cesme-Izmir, Turkey, September 2008.

**Δ.5. Keramaris E.,** (2008) «Study of distribution time of rainfalls in Greece», Proc. of 8<sup>th</sup> International Hydrogeological Congress, 2:525-534, Athens, Greece, October 2008.

**Δ.6. Keramaris E., Prinos P.,** (2009) «Lock-Exchange Experiments : Effect of Vegetation Drag on Gravity Currents», Proc. of 33<sup>th</sup> International Association of Hydraulic Research Congress (IAHR), 1491-1496, Vancouver, Canada, August 2009.

**Δ.7. Keramaris E., Prinos P.,**(2010) «Gravity Currents in a Valley of Trapezoidal Shape», Proc. of International Conference on Fluvial Hydraulics, RiverFlow 2010, 599-604, Braunschweig, Germany, September 2010.

**Δ.8. Pechlivanidis G., Keramaris E., Pechlivanidis I., Samaras G.,** (2012) «Measuring the Vorticity Above Vegetated Bed Using PIV Technique», Proc. of International Conference Protection and Restoration of the Environment XI, (Abstract pag.125), (full paper available in CD-ROM), Thessaloniki, July 2012.

**Α.9.** Pechlivanidis G., **Keramaris E.**, Samaras G., (2013) «Estimating of the Shear Stress in Turbulent Boundary Layers in an Open Channel», (full paper available in CD-ROM, paper EMC\_p152), 1<sup>st</sup>EWaS-MED international Conference, Thessaloniki, Greece, April 2013.

**Α.10.** **Keramaris E.**, Pechlivanidis G., (2013) «Comparison Between Permeable and Impermeable Bed in Inclined Open Channels», (full paper available in CD-ROM), ERCOFTAC Symposium on Unsteady Separation in Fluid-Structure Interaction, Mykonos, Greece, June 2013

**Α.11.** **Keramaris E.**, Pechlivanidis G., Pechlivanidis I., Samaras G.,(2013) «The Impact of Lateral Walls on the Velocity Profile in an Open Channel using the PIV Method», (full paper available in CD-ROM), 13<sup>th</sup> International Conference on Environmental Science and Technology (CEST 2013), Athens, Greece, September 2013.

**Α.12.** **Keramaris E.**, Pechlivanidis G., Pechlivanidis I., (2014) «Effects of a half-separated (impermeable and permeable) bed on the velocity distribution in open channels», (Abstract pag.211), (full paper available in CD-ROM),Protection and Restoration of the Environment XII International Conference, Skiahtos, Greece, June–July 2014.

**Α.13.** Pechlivanidis G., **Keramaris E.**, Pechlivanidis I., (2014) «Transition from permeable to impermeable beds and vice versa in open channels: Effects on the velocity distribution of turbulent flow», Proc. of the International Conference on Fluvial Hydraulics, RiverFlow 2014, 81-87, Lausanne, Switzerland, September 2014.

**Α.14.** **Keramaris E.**, Pechlivanidis G., (2015) «The different impact of rods bundle in an inclined open channel in comparison with other permeable beds», Proc. of 13<sup>th</sup> International Conference on Fluid Mechanics and Aerodynamics (FMA 2015), 119-125, Salerno, Italy, June 2015.

**Α.15.** Pechlivanidis G.,**Keramaris E.**, Yannopoulos P., Pechlivanidis I., (2015) «Experimental study of the flow field of a turbulent buoyant jet in a confined denser fluid», Proc. of 14<sup>th</sup> International Conference on Environmental Science and Technology, CEST 2015, 1-5, Rhodes, Greece, September 2015.

#### **E) Publications in Greek Conferences**

**E.1.** Prinos P., **Keramaris E.**, (1997) «Turbulent flow in an open channel with a porous bed», Proc. of 7<sup>th</sup> National Conference of Hellenic Hydrotechnical Association, 318-325, Patra, October 1997.

**E.2.** **Keramaris E.**, Prinos P., (2006) «Stream Restoration : Practical Approach and Best Design», Proc. of 10<sup>th</sup> National Conference of Hellenic Hydrotechnical Association, 531-538, Xanthi, December 2006.

- E.3. Keramaris E.,** Prinos P., (2006) «Two-Dimensional Gravity Currents with High Density Difference», Proc. of 10<sup>th</sup> National Conference of Hellenic Hydrotechnical Association, 695-702, Xanthi, December 2006.
- E.4. Thanasis G., Keramaris E.,** Zagas T. (2007) «Forest Species for urban and periurban greening establishment according to climatic data», Proc. of 13<sup>th</sup> National Forestry Conference, 246-255, Kastoria, October 2007.
- E.5. Keramaris E.,** Prinos P., (2007) «Numerical Simulation of Floodway Determination», Proc. of 13<sup>th</sup> National Forestry Conference, 533-542, Kastoria, October 2007.
- E.6. Keramaris E.,** Prinos P., Galanidou A., Katogianni M., (2009) «Gravity Currents in a Bed with Vegetation of Rods Bumble», Proc. of 11<sup>th</sup> National Conference of Hellenic Hydrotechnical Association, 603-610, Volos, May 2009.
- E.7. Keramaris E.,** Prinos P.,(2010) «Gravity Currents : Effect of Flexible and Inflexible Vegetation», Proc. of 7<sup>th</sup> National Conference «FLOW 2010, Phenomenon of Fluid flows», 233-241, Thessaloniki, November 2010.
- E.8. Keramaris E.,** Petikas I., (2011) «Movement of Gravity Currents in Mountainous Areas with Presence of Plants Species», Proc. of 15<sup>th</sup> National Forestry, (Abstract pag.81), (full paper available in CD-ROM), Karditsa, October 2011.
- E.9. Pechlivanidis G., Keramaris E.,** Pechlivanidis I., (2012) «Influence of Turbulent Characteristics of the Flow in Permeable and Impermeable Bed», Proc. of 12<sup>th</sup> National Conference of Hellenic Hydrotechnical Association, (Abstract pag.125), (full paper available in CD-ROM), Patra, October 2012.
- E.10. Keramaris E.,** Pechlivanidis G., (2012) «Modern Techniques of Measuring Flow Fluid (Particle Image Velocimetry Method)», Proc. of 8<sup>th</sup> National Conference «FLOW 2012, Phenomenon of Fluid flows», (Abstract pag.33-34), (full paper available in CD-ROM), Volos, November 2012.
- E.11. Keramaris E.,** Pechlivanidis G., Liakopoulos A., (2014) «Research Activities of the Department of Civil Engineering T.E. of Alexander Educational Institute of Thessaloniki and of the Department of Civil Engineering of University of Thessaly», Proc. of the 9<sup>th</sup> National Conference «FLOW 2014, Phenomenon of Fluid flows, 596-606, Athens, December 2014.
- E.12. G.I. Pechlivanidis, E. Keramaris,** Y. Savvidis, C. Koutitas, (2015) «Hydraulic Study of a Reservoir or Harbor Laterally to a Main Flow», Proc. of 3<sup>th</sup> joint Conference : 13<sup>th</sup> of Hellenic Hydrotechnical Association, 9<sup>th</sup> Hellenic Committee on Water Resources Management and 1<sup>st</sup> Hellenic Water Association «Integrated Management of Water Resources in new era», 411-418, Athens, December 2015.

**E.13.** N. Michalolias, D. Kasiteropoulou, **E. Keramaris**, A. Liakopoulos, (2015) «Computational Simulation of the Flow in an Open Channel With Natural Vegetation», Proc. of 3<sup>th</sup> joint Conference : 13<sup>th</sup> of Hellenic Hydrotechnical Association, 9<sup>th</sup> Hellenic Committee on Water Resources Management and 1<sup>st</sup> Hellenic Water Association «Integrated Management of Water Resources in new era», 385-394, Athens, December 2015.

**E.14.** I. Karanis, I. Thanopoulos, **E. Keramaris**, A. Liakopoulos, (2015) «Design of a Small Hydroelectric Project in Pineios River», Proc. of 3<sup>th</sup> joint Conference : 13<sup>th</sup> of Hellenic Hydrotechnical Association, 9<sup>th</sup> Hellenic Committee on Water Resources Management and 1<sup>st</sup> Hellenic Water Association «Integrated Management of Water Resources in new era», 427-434, Athens, December 2015.

**E.15. Keramaris E.**, Liakopoulos A., Pechlivanidis G., D. Kasiteropoulou, N. Michalolias (2016) «Study of Turbulent Flow in an Open Channel With Artificial Vegetation», Proc. of the 10<sup>th</sup> National Conference «FLOW 2016, Phenomenon of Fluid flows, POH2016-125: 1-9, Patra, December 2016.

## **8. Identification of scientific work**

### **8.1. Citations**

In total 82 citations.

### **8.2. Reviewer of International Journals**

- 1) Journal of Porous Media, Begell House, 2007-today.
- 2) International Journal of Heat and Fluid Flow, Elsevier, 2009-today.
- 3) GlobalNest Journal, Global Nest, 2012-today.
- 4) Fresenius Environmental Bulletin, Parlar Scientific Publications, 2015-today.
- 5) Environmental Processes, Springer, 2015-today.
- 6) Desalination and Water Treatment, Taylor and Francis, 2015 today.
- 7) Environmental Earth Sciences, Springer, 2015-today
- 8) Journal of Hydraulic Engineering, Taylor and Francis, 2015-today.
- 9) Environmental Engineering Science, Mary Ann Liebert Inc., 2015-today.
- 10) Flow Measurement and Instrumentation, Elsevier, 2017-today.
- 11) Water Science and Technology: Water Supply, IWA Publishing, 2017-today.

## **9. Author of Theory and Laboratory Notes**

- «**River Mechanics**» (**Laboratory Notes**), Notes for Alexander Technological Educational Institute of Thessaloniki, Department of Civil Infrastructure Engineering, Division of Hydraulic and Environmental Engineering, January 2007.
- «**HydraulicsII**» (**Theory Notes**), Notes for Alexander Technological Educational Institute of Thessaloniki, Department of Civil Infrastructure Engineering, Division of Hydraulic and Environmental Engineering, March 2008.
- «**Hydraulics II**» (**Laboratory Notes**), Notes for Alexander Technological Educational Institute of Thessaloniki, Department of Civil Infrastructure Engineering, Division of Hydraulic and Environmental Engineering, March 2008.

## **10. Administrative Experience at the University of Thessaly**

- Substitute Member of the Experts Committee for the technical evaluation of public tenders at the Civil Engineering Dept. of University of Thessaly since 2014 (Institution Managing Committee Decision 176/8-10-14).
- Supervisor of the students' practical training at the Civil Engineering Dept. of University of Thessaly since 2015.
- Member of the Team of Internal Evaluation at the Civil Engineering Dept. of University of Thessaly since 2015.
- Member of the Team of Program and Examinations schedule at the Civil Engineering Dept. of University of Thessaly since 2016.
- Member of the Team of Program Studies at the Civil Engineering Dept. of University of Thessaly since 2017.

## **11. Supervisor of PhD Thesis**

1. Petikas, I., (2017) «Development of an artificial intelligence system for preliminary solutions in hydraulic problems with the use of computational fluid mechanics», September 2017.

## **12. Member in PhD Thesis Examination Committees**

1. Paschalidis, G., (2015) «Simulation of sediment discharge in a Watershed in the Downstream Dam Area», Thessaloniki, April 2015. Supervisor: Anagnostopoulos P., Professor.

### **13. Member of Committee of Diploma Thesis of Postgraduate Studies of Department of Civil Engineering of University of Thessaly**

1. Tsigardas S-I., (2015) «Recording and Analysis wastewater treatment Plant operation Problems (WWTP-waste water treatment) and Proposals of dissolution», Supervisor: Laspidou C., Assoc. Professor.
2. Tallarou M., (2015) «Techniques and technologies for rainwater harvesting and reuse» 2015 Supervisor: Kanakoudis V., Assoc. Professor.

### **14. Supervisor-Member of Diploma Thesis**

#### **14.1. Supervisor of Diploma Thesis at the Civil Infrastructure Engineering Dept. of the Alexander Educational Institute of Thessaloniki**

1. Dakou I., Pantelidou S., (2005) «Study of rainfall data from meteorological stations of Thessaloniki», September 2005.
2. Baroufa I., Papatthasiou P., (2006) «Pollution and quality of water resources of the Central Macedonia Water District», November 2006.
3. Mantziri I., Mousouli D., (2007) «Study of turbulent flow in an open channel with flexible vegetation bed», October 2007.
4. Balafas G., Saoulidis P., (2007) «Experimental study for the calculation of discharge coefficient and discharge capacity in an open channel with the presence of a weir», November 2007.
5. Argyriou E., Gogou C., (2008) «Experimental study for the evaluation of the effect of vegetation in an inclined channel (lock-exchange)», April 2008.
6. Maggos A., (2008) «Experimental study of Gravity Currents», June 2008.
7. Galanidou A., Katogianni M., (2008) «Effect of rods bundle in gravity currents», November 2008.
8. Martsos E., Papatzilakis P., (2009) «Data analysis of daily rainfalls», February 2009.
9. Karadimas N., Michailidis, P., (2009) «Effect of gravity currents in an open channel with vegetation bed», November 2009.

#### **14.2. Supervisor of Diploma Thesis at Civil Engineering Dept. of University of Thessaly**

1. Georgiou C., (2015) «Experimental study of turbulent buoyant jet within a still fluid» January 2016.
2. Riris I., (2015). «Study of the velocity of turbulent buoyant jet within a moving fluid in an open channel with free surface», January 2016.

3. Theodosiou I., (2016) «Measurements and instruments in Hydraulic Research», October 2016.
4. Kiritsis A., (2016) «Measurements and instruments in Hydraulic Research», October 2016.
5. Lallas A., (2017) «Study of the behaviour of gravity currents in lock-exchange experiments», October 2017.

14.3. Member of Committee of Diploma Thesis at Civil Engineering Dept. of University of Thessaly

1. Azariadi T., (2014) «Comparative Evaluation of river basin districts management plans in Greece under the water framework directive 2000/60/EC», Supervisor: Kanakoudis V., Assoc. Professor.
2. Michaloliias N. (2014) «Study of fluid velocity in a channel with free surface under the existence of vegetation using computational fluid mechanics and application of results in flood protection», Supervisor: Liakopoulos A., Professor.
3. Sagia Z., (2015) «Investigation of the impact of groundwater temperature in dimensioning the geothermal open circuit system for domestic use», Supervisor: Kanakoudis V., Assoc. Professor
4. Mousadis I., (2015) «Evaluation of methods of valuation and recovery of the full cost of water in European Union countries», Supervisor: Kanakoudis V., Assoc. Professor.
5. Karanis I., (2015). «Design of a small hydroelectric project on the Pineios River», Supervisor: Liakopoulos A., Professor.
6. Korkana P., (2015). «Optimizing (DMAs) formation in drinking water networks using genetic algorithms and developing prototype algorithms», Supervisor: Kanakoudis V., Assoc. Professor.
7. Tagas E., (2016). «Dairy Industry Wastewater Treatment with Constructed Wetlands». Supervisor: Laspidou C., Assoc. Professor.
8. Kravvari A., (2017) «Pressure management techniques impact assessment in urban water distribution systems regarding the quality of the water supplied (water age, chlorine residual concentration). The case of city of Kos». Supervisor: Kanakoudis V., Assoc. Professor.
9. Kokosis N., (2017) «Life cycle assessment of small and decentralized wastewater treatment plants». Supervisor: Laspidou C., Assoc. Professor.
10. Vasilopoulos I., (2017) «Energy potential assessment of the water distribution network in Kozani, installation of micro-hydropower turbines for energy recovery and pressure management». Supervisor : Kanakoudis V., Assoc. Professor.
11. Dalakouras A., (2017) «Αποτύπωση των αστοχιών του δικτύου ύδρευσης της ΔΕΥΑ Λάρισας με τη χρήση ARC MAP και μελέτη της χωρο-χρονικής μεταβολής της κατανομής τους», Supervisor : Kanakoudis V., Assoc. Professor.

12. Romanas I., (2017) «Αποτύπωση των αστοχιών του δικτύου ύδρευσης της ΔΕΥΑ Λάρισας με τη χρήση ARC MAP και μελέτη της χωρο-χρονικής μεταβολής της κατανομής τους», Supervisor : Kanakoudis V., Assoc. Professor.
13. Floros V., (2017) «Αποτύπωση των αστοχιών του δικτύου ύδρευσης της ΔΕΥΑ Λάρισας με τη χρήση ARC MAP και μελέτη της χωρο-χρονικής μεταβολής της κατανομής τους», Supervisor : Kanakoudis V., Assoc. Professor.

### **15. Participation in Organizing Committees of Global Conferences**

- **Member** of the organizing committee of the Conference «Protection and Restoration of the Environment XII International Conference», June 29–July 4 2014, Skiahtos, Greece. (Co-organization: Department of Civil engineering University of Thessaly, Department of Planning and Regional Development University of Thessaly, Stevens Institute of Technology, USA).
- **Vice Chairman** of the Conference «2<sup>nd</sup> EWaS International Conference: “Efficient & Sustainable Water Systems Management toward Worth Living Development”», June 1–4 2016, Chania, Greece. (Co-organization: Department of Civil engineering University of Thessaly, School of Environmental Engineering, Technical University of Crete).
- **Vice Chairman** of the Conference «3<sup>rd</sup> EWaS International Conference: “Insights on Water-Energy-Food Nexus”», June 27–30 2018, Lefkada Island, Greece. (Organization: Department of Civil engineering University of Thessaly).

### **16. Additional Professional Experience**

- From 08/03/1995 until 02/07/2014 : Individual Civil Engineer
- From 01/01/2004 until 31/12/2013 : External Partner of Company «Hydroactotechniki»
- From 07/06/2007 until 31/12/2009 : External Partner of Company «YETOS»

### **17. General**

- Member of Technical Chamber of Greece since 1995.
- External Research Associate of Department of Civil Engineering (2002-2014).
- Member of Hellenic Hydrotechnical Association since 2007.