

CURRICULUM VITAE

AIKATERINI D. LYRA

Ph.D. Candidate

**Research Member of the Laboratory of Hydrology and
Aquatic Systems Analysis,
Department of Civil Engineering,
University of Thessaly**

September 2020

L.1. PERSONAL

Name: Aikaterini D. Lyra
Date of Birth: 19th July 1988
Office Address: Department of Civil Engineering
School of Engineering
University of Thessaly
P e d i o n A r e o s 38334
Volos, Greece
Email: klyra@uth.gr
Office Phone: (+30) 2421074153

L.2. EDUCATION**a) University of Thessaly, 2018-Today**

Supervisor: Ph.D, P.E.. Athanasios Loukas, Associate Professor
Field of Research: Quantity and Quality of Water Resources
Ph.D. Dissertation Title: Coastal Water Resources Simulation and Management of Degraded Water Resources of Coastal Watersheds

β) Democritus University of Thrace, 2006-2015

Diploma in Civil Engineering- Integrated Master
Field of Study: Groundwater Hydrology – Hydrogeological Applied Research in Civil Engineering
Supervisor: Ph.D. Fotios-Kon/nos Pliakas, Professor
Dipl. Eng. Thesis Title: Water Resources and Framework. The case of the coastal part of Almiros Basin in Magnesia Prefecture.

L.3. AWARDS AND SCHOLARSHIPS**1) Postgraduate Studies**

- Scholarship of Greek State Scholarships Foundation, 2018-2021.
Co-financed by Greece and the European Union (European Social Fund- ESF) through the Operational Programme «Human Resources Development, Education and Lifelong Learning» in the context of the project “Strengthening Human Resources Research Potential via Doctorate Research” (MIS-5000432), implemented by the State Scholarships Foundation (IKY).

2) Undergraduate Studies

- Maximos Maravelakis Award, by the Hellenic Committee of Hydrogeology at the 11th International Hydrogeological Congress of Greece, organised by the Hellenic Chapter of International Association of Hydrogeologists – IAH and the Cyprus Association of Geologists and Mining Engineers, in Athens, 4-6/10/2017, for my Degree Thesis titled: Water Resources and DPSIR Framework. The case of Almyros Basin in Magnesia Prefecture.

L.4. Diploma Thesis and Publications**A. Diploma Thesis**

Lyra A., (2015). “*Water Resources and DPSIR Framework. The case of the coastal part of Almyros Basin of Magnesia Prefecture.* Diploma Thesis, Department of Civil Engineering, D.U.TH., Xanthi, Greece (Grade: 10/10).

B. Publications

B.1. Lyra A., Loukas A., Tziatzios G., Sidiropoulos, P. & Mylopoulos N. (2020). “An Integrated Modeling System for the Simulation and Management of Degraded Water Resources of Coastal Agricultural Watersheds: The case of Almyros basin, Thessaly, Greece.”, *Proceedings of the AgroClimaWater Conference, Water Efficiency & Climate Resilient Agriculture International Conference*, 15-17 July 2020, Chania, Greece.

B.2. Lyra A., F. Pliakas, N. Kazakis, (2017). “Implementation of CSDA framework in the management of Almyros basin, Magnesia Prefecture, Greece.” *Proceedings of the 11th International Hydrogeological Congress of Greece*, 4-6/10/2017, Athens, Greece, pp. 331-340.

B.3. Lyra A., F. Pliakas, S. Skias, I. Gkiougkis, (2016). “Implementation of DPSIR framework in the management of the Almyros basin, Magnesia Prefecture.” *Bulletin of the Geological Society of Greece*, Vol. L, Number 2, 2016, *Proceedings of the 14th International Congress*, 25-27 May 2016, Thessaloniki, Greece, pp. 825-834.

L5. Educational Workshop**A. Successful Attendance of Distance Course:****Global Environmental Management**

Completed November 2015 at: coursera.org

Online course created by: Technical University of Denmark (DTU)

Taught by: Henrik Bregnhøj, Ext.Assoc.Professor, Department of Environmental Engineering and Steffen Foss Hansen, Associate Professor, Department of Environmental Engineering

Level: Intermediate Grade Achieved: 70.6%

B. Karla School: Summer for Young Scientists of relevant capacities with the Environment, 2-8 July 2018, Kanalia, Magnesia. Modules: Water Quality and Water Resources Management, Avifauna, Inland Fish Fauna, Agricultural Ecosystems, Ecotourism and Natural and Cultural Heritage Interpretation, Workshop on the Use of unmanned volatile medium for the inspection and monitoring of the Protected Area (duration: 56 hours).

C. Cartography MOOC: Attending an online seminar from 22 April 2020 to 7 June 2020 for Digital Cartography using ArcGIS Pro software organized by ESRI (Marathon Data representative of ESRI in Greece) and obtaining a certification in Digital Cartography.

D. Do-It-Yourself-GeoApps MOOC: Attending an online seminar from July 22, 2020 to September 5, 2020 for the Development of Geo-Information Systems Applications using the software ArcGIS AppStudio and the ArcGIS Online organized by ESRI and obtain a certification in Geo-Information Systems Applications Development.

E. Going Places with Spatial Analysis MOOC: Attending an online seminar from 12 August 2020 to 23 September 2020 for Spatial Analysis using ArcGIS Online organized by ESRI to obtain a certification in Spatial Analysis.

L6. Technical Skills

A. Information Systems

B. CADD Methods

C. ArcGIS 10.+/ ArcGIS Pro

D. MODFLOW, MT3DMS, SEAWAT

E. FORTRAN Programming Language

F. R Programming Language

Native Language	Greek				
Other Languages	COMPREHENSION		COMMUNICATION		WRITING
English	C2	C2	C2	C2	C2
	Proficiency in English (Honors, Michigan-Cambridge) Proficient Communication (Edexcel)				
	Levels: A1/A2: Basic User - B1/B2: Independent User - C1/C2: Experienced User <u>Common European Framework of Reference for Languages</u>				