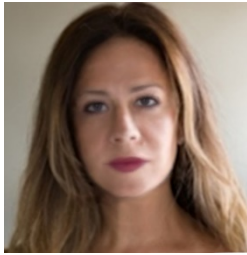


## Curriculum vitae

### PERSONAL INFORMATION



### ELENI TZANOU

MSc Environmental Pollution Control

MSc Hydraulics Engineering

PhD Rural and Surveying Engineering

Founding Member of Laboratory of Geomatics Engineering "Genie Lab"

📍 Terma Magnisias, 62124 Terma Magnisias, Serres, Greece

☎ (+30) 2321049107

✉ etzanou@ihu.gr

🌐 <https://www.linkedin.com/in/elena-tzanou-532b0529/>

💬 Skype name etzanou

Sex Female | Date of birth 14/14/1975 | Nationality Greek

## December 2023

### ACADEMIC/WORK EXPERIENCE

#### 09/2020–Present Assistant Professor

International Hellenic University, School of Engineering, Faculty of Surveying and Geomatics Engineering

Scientific fields: Surveying/Hydraulics.

Courses: Geodesy, Decision Support Systems with GIS, Hydraulics, Water Supply Networks, Sewage Systems, Sanitary Engineering, Technical Hydrology, Water and Wastewater Engineering. Natural Disaster Management and Technical Works.

#### ,10/2022-present Adjunct Ass. Professor/Lecturer

Lecturer at the Postgraduate Studies Program "Water Resources" at the Department of Rural and Surveying Engineering (TATM) of the Faculty of Engineering of the Aristotle University of Thessaloniki (AUTH) | the field of Water Resources Quality and Environmental Management

#### 12/2021–Present Research Member

Founding Member of Laboratory of Geomatics Engineering "Genie Lab". Research fields: Surface and subsoil mapping.

Hydraulics-Hydrology

Network management

Design and development of Geomatics applications:

- In the prevention and management of natural disasters.
- In Environmental Protection and Management.
- In the identification, protection and management of natural resources, surface and ground waters

Member of the Laboratory of Gravity Field Research and Applications, GravLab, Department of Geodesy and Surveying Aristotle University of Thessaloniki. Research fields:

- Physical geodesy, local and regional gravity field modeling
- Satellite altimetry, satellite geodesy
- Sea Surface Topography modeling etc

#### 09-2001-today Research Associate

School of Rural and Surveying Engineering, Aristotle University of Thessaloniki, Greece

Working on research programs, dealing with gravity field, satellite geodesy, bathymetry, etc.  
Working and the scientific field of Wastewater Engineering and Hydraulics

until 09/2020 **Teaching Experience** until the position of Assistant Professor

School of Rural and Surveying Engineering - AUTH

Teaching assistant at the School of Rural and Surveying Engineering of the Aristotle University of Thessaloniki during 2001-2007 in the following courses:

until 09/2020 Wastewater Engineering  
Catchment Dynamics and Hydraulics Engineering  
Environmental Technology III

Department of Geoinformatics and Surveying – TEI of Central Macedonia

Research assistant at the Department of Geo-informatics and Surveying of the Technological Educational Institute (TEI) of Serres, September 2001 until today, in the following courses.

CAD software  
Environmental Planning and Management  
Urban Hydraulics  
Introduction in Geographic Information Systems

Department Civil Engineering - TEI of Central Macedonia

Hydraulic Fundamentals  
Urban Hydraulics

01/2016-09/2020 **Scientific Collaborator-Senior Engineer**

Head of Environment and Hydraulics Dept, Consortis Ltd, Engineering & Consulting Services

09/2020-today Scientific Associate, Consortis Ltd, Engineering & Consulting Services  
In Hydraulics and Environmental Engineering

05/2019-today External Scientific Associate, Development Agency of Thessaloniki, ANETH SA.  
In Hydraulics Engineering Environmental Engineering, Surveying Engineering

09/1998–today **Freelance-Consultancy**

Surveying, Hydraulics and Environmental studies.

Consultancy services for special geodetic/surveying applications. Hydraulic infrastructure, Flood protection and Management, Water Networks, Sanitary Engineering, Environmental Audits and Management

05/2003–09/2007 **Research Associate and Teaching Assistant**

Department of Hydraulics and Transportation, School of Rural and Surveying Engineering, Thessaloniki (Greece)

## EDUCATION AND TRAINING

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01//2003–06/2007 **PhD**

EQF level 8

School of Rural and Surveying Engineering, Faculty of Engineering, Aristotle University of Thessaloniki, Thessaloniki (Greece)

PhD in the area of Wastewater, Hydraulics and Environment. Title of Doctoral Thesis: "Assessment of Microbial Growth Kinetics for the degradation of a special substrate of lipids and oils in industrial wastewaters".

09/1998–11/1999 **MSc**

EQF level 7

University of Leeds, Leeds (UK),

MSc in Environmental Pollution Control, Dept of Fuel and Energy,

09/1993–07/1998 **Dipl. Engineer/Integrated Master**

EQF level 6

Aristotle University of Thessaloniki, Thessaloniki (Greece)

Diploma of Rural and Surveying Engineering, Faculty of Engineering, Aristotle University of Thessaloniki ([www.auth.gr](http://www.auth.gr)) Greece

Integrated Master in Hydraulics Engineering

The school provides an Integrated Master Title depending on the dept and scientific field chosen

## PERSONAL SKILLS

Mother tongue(s) Greek

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	Overall
English	C2	C2	C2	C2	C2
German	B1	B2	B1	B1	B1
French	A2	A2	A2	A1	A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

Communication skills  
 -Problems solver  
 -Trustworthy  
 -Independent  
 -Social

Organisational / managerial skills  
 -Precise  
 - Analytical  
 - Leadership

Academic/professional related skills

GEODESY

- Geodesy and Surveying
- Computer aided drawing software (CAD)
- Use of the Global Positioning System (GPS) in surveying applications
- Combination of GPS with GIS for hydraulics, environmental and cadastral studies

HYDRAYLICS

- Hydraulics Engineering-Hydraulic Networks (Design and Assessment of Water supply Networks-Sewer-Sewerage Networks)
- Flood Estimation Models -Flood control projects
- River Dynamics
- Hydraulics in Road Networks
- Urban Hydraulics
- Hydrological Modelling
- Wastewater Engineering and Treatment
- Flood Risk Assessment and Management

ENVIRONMENT

- EIA-Environmental Impact Assessment
- ESIA- Environmental Strategic Impact Assessment
- Environmental Engineering and Management
- Environmental Modelling
- Environmental Legislation and Legal Support
- Specialized Studies and Consulting Services
- Consultancy for Management Bodies/
- EU Legislation Compliance
- Geographic Information Systems Applications

Research Projects 2012-2022 Member of the main research group in (indicative projects):

- «External calibration / validation of ESA's GOCE mission and contribution to dynamic ocean topography and sea level change determination through stochastic combination with heterogeneous data - GOCE-SeaComb - External calibration and evaluation of GOCE Mission of ESA and contribution to determining the dynamics of marine topography and sea level changes through the thoughtful combination of heterogeneous data - GOCESeaComb »/2012 -

2014

- «A Scientific Network for Earthquake, Landslide and Flood Hazard Prevention – SciNetNatHazPrev funded by “BLACK SEA BASIN Joint Operational Programme” 2014-2015
- "Standard monitoring methodologies of quality status for water resources using telemetry in the context and the needs of the research project entitled" Common Infrastructure Environmental Monitoring of Water Resources and Public Health Protection 2014-2015
- Standard methodologies for monitoring the quality status of water resources using telemetry in the context and needs of the research project entitled "Joint Infrastructures for Environmental Monitoring of Water Resources and Protection of Public Health" 2016
- «Height System Unification, Dynamic Ocean Topography and gravity field determination with GOCE Global Geopotential Models employing stochastic methods and heterogeneous data sources – GOCE+++2016-2017
- «Network for effective knowledge transfer on safe and economic wastewater reuse in agriculture in Europe», HORIZON 2020 - GA number: 818088» 05/2019- 06/2021.
- Evaluation of the efficiency and inter-operability of flood protection intervention measures in the Strymon river basin of the program Flood Protection - Cross Border Planning and Infrastructure Measures for Flood Protection". INTERREG V-A Greece Bulgaria 2014-2020» 2020-2021 *Coordinator*
- Creation and Empowerment of network differential positioning techniques through networks of permanent reference stations for ground and air use, Operational Program Central Macedonia Regional Unit, NSFR 2014-2020, 2022

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Independent user	Proficient user	Independent user	Independent user	Proficient user

Digital skills - Self-assessment grid

Driving licence B

ADDITIONAL INFORMATION

Publications -Over than 50 publications (book chapters refereed journals, presentations, posters, technical reports)