

PERSONAL INFORMATION    Alexandros Chachalis (M)

CONTACT DETAILS     Greece: 31 Papanastasiou Str., 73133 Chania, Crete, Greece

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NATIONALITY    Greek and US (Dual nationality)

DATE OF BIRTH    02.03.1999

PLACE OF BIRTH    Greenville, Mississippi, USA.

## WORK EXPERIENCE

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### Research Assistant

“Energy Smart Livestock Farming towards Zero Fossil Fuel Consumption”-  
RES4LIVE (H2020)

Development of economic and energy technologies for zero use of fossil fuels in  
agriculture , <https://res4live.eu/> . Project Leader: Dimitris Manolakos

Chemical and Environmental Engineer at ENVIROPLAN S.A

Participation in Waste management plans for North Macedonia

01/01/2023 –  
31/08/2023:

3/2024-  
7/2024

## EDUCATION AND TRAINING

Dates	2017- 2023
Title of qualification awarded	M. Eng in Environmental Engineering (Integrated Master; 5-year course)
Thesis	“Artificial Neural Network Analysis of a heat pump system and its efficiency inside a broiler house”
Principal subjects/occupational skills covered	Among others: Environmental systems design using CAD , Environmental microbiology ,Fluid mechanics, Geodetics
Name and type of organisation providing education and training	Technical University of Crete, Chania -Chemical and Environmental Engineering
Level in national or international classification	ISCED 5

## PERSONAL SKILLS

Mother tongue Greek  
Other language(s) English  
-Examination for the Certificate of Proficiency in English (ECPE), 2015  
- Cambridge English: B2 First (FCE) for Schools ,2013

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Communication, teamwork, leadership and presentation skills acquired via:

- University group projects and lab reports
- COST Action Training school: “Unmanned Aerial Systems (UAS) Applications and Forestry”
- Participation in Waste management plans for North Macedonia (at ENVIROPLAN)

Job-related skills

- Design and development of environmental systems using AutoCAD
- Rudimentary knowledge of unmanned aerial systems’ components and flying procedures
- Waste management plans
- Field work related to water storage tanks and geomembranes

Digital skills

**Programming:** MATLAB, Python, FORTRAN 95  
**Office:** Microsoft Office (macros), Libre office  
**Other:** AutoCAD, ArcGIS

Other skills/Hobbies

Writing, Calisthenics, Cognitive Science

## ADDITIONAL INFORMATION

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Conferences/Seminars

- Attendance of “Environmental Challenges in the 21<sup>st</sup> century” interdisciplinary conference, Technical University of Crete, Chania, Crete, Greece. 25-26 October 2019.
- Attendance of “2<sup>nd</sup> conference of PhD candidates of Environmental Engineering”, Technical University of Crete, Chania, Crete, Greece. 5 December 2019
- Attendance of “Integrated Groundwater Management of Mediterranean Coastal Aquifers”, Sustain-COAST & MEDSAL Common International Conference , Chania , 27-30 September 2022

Courses/Workshops

- COST Action FP1406 PINESTRENGTH Training School  
Description: ”Unmanned Aerial Systems (UAS) Applications and Forestry” training school , 1-4<sup>th</sup> April 2019, Chania, Crete.

## REFERENCES

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1. Prof. George Karatzas, Technical University of Crete, School of Chemical and Environmental Engineering, [karatzas@mred.tuc.gr](mailto:karatzas@mred.tuc.gr)
2. Associate Prof. Dimitris S. Manolakos, Agricultural University of Athens, [dman@aua.gr](mailto:dman@aua.gr)