

PERSONAL INFORMATION

Artemakis Georgios



📍 Laboratory of Physical Chemistry and Chemical Processes, School of Environmental Engineering, Technical University of Crete, Kounoupidiana, P.C. 73100, Chania

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Sex Male | Date of birth 03/08/1984 | Nationality Greek
Marital Status Single | Military Obligations Completed

WORK EXPERIENCE

- 03/2017-TODAY **Carry out a graduate project in order to obtain my PhD**
Laboratory of Physical Chemistry and Chemical Processes, School of Environmental Engineering, Technical University of Crete, Chania
- Synthesis and study of bimetallic catalysts on hydrogen production from methane
- 11/2015-03/2016 **Hourly employee Chemistry teacher**
School of Pharmacy Assistants, Public Institute of Educational Training, Ierapetra, Lasithi
- 08/2015-01/2016 **Temporary employee as Environmental Engineer**
Bureau of Water Supply-Irrigation-Sewerage, Municipality of Ierapetra, Ierapetra, Lasithi
- Taught the subject «Pharmaceutical Physics»
- 02/2014-07/2014 **Temporary employee as Administrative**
Office of Life Quality council and Financial council, Municipality of Chania, Chania
- 08/2013-12/2013 **Practice for a Training Program**
Oenological-Chemical Laboratory, G.S. Perrakis, Chania
- Wine preservation and control of must fermentation
- 02/2011-10/2011 **Chemical Engineer in the Army (As Soldier)**
Corps of Supplies and Transportations, Greek Army, Sparta, Rhodes and Chania
- Quality control of JP-8 fuel
- 07/2009-12/2010 **Carried out a graduate project in order to obtain my MSc**
Laboratory of Environmental and Chemical Processes, Chemistry Department, University of Crete, Heraklion
- Method development and application for the determination of toxic polybrominated pollutants in human urine
- 02/2008-06/2008 **Temporary Laboratory Assistant**
Laboratory of General Chemistry, Chemistry Department, University of Crete, Heraklion
- Training of students in instruments and methods of analysis
 - Correction of laboratory reports and examination of students

11/2011- TODAY
and 10/2007-06/2009

Teach subjects of Secondary School in private

- Teach Physics, Chemistry and Biology

11/2011-06/2014

Taught subjects of (Technical) University and Technological Education Institution in private

- Taught General Chemistry, Atmospheric Pollution and Technology-Quality Control of Air

EDUCATION AND TRAINING

12/2016-TODAY

Candidate Doctor of Philosophy on Environmental Engineering

School of Environmental Engineering, Technical University of Crete, Kounoupidiana, P.C. 73100, Chania

- Carry out a graduate project with the title: «Synthesis and study of bimetallic catalysts (Ir, Ru ή Rh - Ni) supported on specific carriers with changeable lattice oxygen on the dry reforming of methane»

11/2007-12/2011

Owner of the Master of Science «Natural Sciences of Environment»

Chemistry Department, University of Crete, Voutes, P.C. 70013, Heraklion

- Carried out a graduate project with the title: «Determination of Brominated Biphenyl Ethers in Urine with the method of Gas Chromatography-Mass Spectrometry with Negative Chemical Ionization»
- Specialization in Environmental issues, like: Physics and Chemistry of Atmosphere, Atmospheric Pollution, Analytical methods for determination of elements, ions and organic pollutants on various environmental matrices, Sewage treatment, Law, Management, Economics and Sociology of Environment

09/2002-11/2007

Owner of Bachelor in Chemistry

Chemistry Department, University of Crete, Voutes, P.C. 70013, Heraklion

- Training in all fields of Chemistry and especially in: General, Physical, Inorganic, Organic, Analytical, Environmental and Food Chemistry and Biochemistry
- Excellent score of diploma (8,93/10) and even better score in subjects of Organic Chemistry (8 theories and laboratories), in subjects of Inorganic Chemistry (5 theories and laboratories), in subjects of Analytical Chemistry (4 theories and laboratories), in subjects of Environmental Chemistry (2 theories) and in subjects of Food Chemistry (2 theories)

PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2
Certificate of Competency in English (ECCE) of University of Michigan of America (Level B2)				

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

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
INDEPENDENT	INDEPENDENT	INDEPENDENT	INDEPENDENT	BASIC

Levels: Basic user - Independent user - Proficient user
(Digital competences - Self-assessment grid)

Certificate of Competency in Information Technology and Computer Command of Department of Chemistry of University of Crete

- good command of Office suite (word processor, spread sheet, presentation software)
- good command of Internet services
- good command of Windows operation systems

Extra knowledge of:

- Origin suite
- Fortran programming language

Driving licence

Owner of driving licence of category B

Job-related skills

- After I obtained the bachelor in chemistry, I have *additional experience* in instruments and procedures. like:
 - a) The analytical scale, The production of stock solutions, The usage of accurate pipettes, The liquid-liquid extraction, The centrifugal separation, The rotary condensation, The water distillation, The GC-MS Chromatography (when I was carrying out the graduate project in order to obtain my MSc)
 - b) Measurement of conductivity, Measurement of diffraction, The hydrokit test, The filtration (when I was checking the quality of the fuel JP-8 in the army)
 - c) The titration, Measurement of must sugar, Measurement of alcohol, The wine distillation (when I was checking the must fermentation at the Oenological-Chemical Laboratory)
 - d) The ionexchanging resine, The settlement, The dehydration, The measurement of TSS, The ph-meter, The spectrophotometer UV/Vis, The measurement of BOD and COD (when I was doing quality control for checking the operation of Sewage treatment plants)
- *Guiding skills* as a laboratory assistant, in instruments and procedures like: The analytical scale, The ph-meter. The dehydration, The filtration, The weight analysis, The titration, The spectrophotometer UV/Vis, as well as *Organisational skills* needed for the correction of laboratory reports, the examination of the university students and all the procedures during the training

ADDITIONAL INFORMATION

Programs

- a) Attendance of the training program «Executives of Administrative support with emphasis in the service of customers» with practice (Center of Educational Training «Diastasis», Chania, 2013)
- b) Attendance of the program «Training Instructors for the centers of whole life education» (Greek Open University, Heraklion, 2014)

Seminars

- a) During the training program above, I attended the seminars of: Basic principles of Administration, Definition and aims of communication, Work organization, Improvement of digital command, Business orientation and Basic principles of labor law
- b) During the program for instructors above, I attended the following seminars for training adults: Features of adults trainee, Role of adults instructor, Techniques of training adults, Module planning, Tuition planning and presentation
- c) Attendance of the seminar «Teaching Chemistry in Secondary School» (Union of Greek Chemists, Chania, 2014)

Conferences

Speaker of the subject: «Sewage as source of determination illegal drugged substances consumption in local level» (First conference of postgraduate Chemistry students of Greece and Cyprus, Cyprus, 2008)

Honours and awards

- a) From the Foundation of National Scholarships, for the best score after the first year in Chemistry Department of University of Crete, during the academic year 2002-2003
- b) From the Foundation of Maria Manasaki, for the best score of Chemistry graduate of University of Crete, who enrolled in the postgraduate program of the Chemistry Department, in the academic year 2007-2008
- c) From the Foundation of Prodrimos Bodossakis-Athanasiadis, for the completion of my postgraduate studies, during the academic years 2008-2009 and 2009-2010

Memberships

Annual membership in the Union of Greek Chemists

Certifications

Inspector/Leader Inspector of the System of Food Safety Management ISO 22000:2005 (TUV HELLAS, Heraklion, 2010)