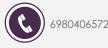
IRENE MARIA VRETTOU

Environmental Chemist / Geologist with experience in conducting quality controls, with excellent communication skills and rich voluntary action.





eirini_vrettou@outlook.com



Aghia Paraskevi Athens

2014 - 2016

06/2013-09/2013

06/2012-09/2012

06/2012-09/2012

WORK EXPERIENCE

Environmental Chemist | Geologist \odot

- National Observatory of Athens Institute for Environmental Research & Sustainable Development 07/2020 Today
- Within the project: «PARADOX-H» Particulate matter, Reactive oxygen and their diverse oxidative potential Health
- Performing necessary checks with attention to detail

\odot Environmental Chemist | Geoloaist

Refinery Chemistry, HelleniQ Energy (Elpe), Athens 10/2019 - 12/2019

- Carrying out quality control of LPG production of the Refinery with Gas Chromatography (GC) techniques
- Carrying out quality control of the Cooling Water of the Production Units and monitoring of the Liquid Waste of the Refinerv
- Ensuring functional control of the Biological Treatment Unit of the factory
- Carrying out effective control of Operating Units of the factory
- Problem-solving, observant, methodical approach.

Environmental Chemist | Geologist

Refinery Chemistry, HelleniQ Energy(Elpe), Athens 07/2019-09/2019

- Carrying out quality control of the Cooling Water of the Production Units and monitoring of the Liquid Waste of the Refinery
- Ensuring functional control of the Biological Treatment Unit of the factory
- Carrying out effective control of Operating Units of the factory
- Using laboratory equipment responsibly

\odot Internships

- Company Terna Lefkolithoi A.E., Athens
- 07/2016 10/2016 Observance of environmental terms and conditions for the underground exploitation of magnesium (pumice)

\bigcirc Teaching

Courses

- Design and preparation of science courses
- ۲ Geologist
 - Technical Company JV Constructions, Athens
- ۲ Geologist
 - Technical Company SIS Κατασκευές

EDUCATION

- Master in Chemistry, Technology and Environmental Management \odot National and Kapodistrian University of Athens - 2019 Diploma: Heavy Metals in Sediment Cores in the Saronic Gulf
- **Bachelor of Geology and Geoenvironment** ົ

National and Kapodistrian University of Athens - 2016

SEMINARS/COURSES

- 11th International Aerosol Conference 4-9 September 2022 \odot
- Validation of Analytical Methods Using Spreadsheets 02/2022
 "Renewable Energy Sources: The #meta of Energy in Greece" 01/2022
- \bigcirc
- UTILIZATION OF INDUSTRIAL MINING WASTE IN THE PRODUCTION OF INNOVATIVE FIREPROOF PRODUCTS-12/2021
- Presentation of the results of the CatOzoN research project: Removal of non-biodegradable organic load & micropollutants by the application of heterogeneous catalytic ozonation from the effluent of municipal wastewater treatment plants -12/2021
- Environmental and Social Governance Criteria (ESG) "Net Zero Action": From challenge to opportunity for accelerated and sustainable value creation-MYTILINEOS Company - 02/2021
- Summer workshop I cycle: Introduction to Geoinformatics GIS & use of QGIS open source software-09/2021
- Marine litter in the Mediterranean: a problem that offers opportunities, Athens 10/2018
- 40th International Conference on Environment & Food Monitoring (ISEAC-40), Spain 06/2018
- O Development & Evaluation of Creativity & Innovation Skills 2° Open Campus, Athens – 12/2017
- Development by the sea: A European Maritime Policy for Greece, Jean Monnet European Centre of Excellence -۲ 06/2017
- European Maritime Policy, Jean Monnet European Centre of Excellence 06/2017 0



- Lectures on Environment and Physics Athens Science Festival 03/2016
- Earthquake forecasting Annual Speech of the Geological Society 01/2014
- Santorini: A volcano that sleeps?−04/2013
- The catastrophic earthquake in Japan, the Tsunami and the nuclear nightmare-05/2011 Professional rehabilitation of Geologists
- LACAE educational activities on the "EKPA Open Gates Day"

LANGUAGES

• Greek - native

Θ English – Άριστα – C2
 Θ French – Καλή γνώση – B2

NETWORKING SKILLS

- Microsoft Office: Word – Excel – PowerPoint – Access
- Άλλες γνώσεις:

Geographic information systems GIS – Internet Explorer, Google Chrome, Mozilla Firefox and use of search engines

SKILLS Communicating Collaborating Organizing Adaptability

VOLUNTEERING EXPERIENCE

- Researcher's Night, NCSR "Demokritos" 10/2018
- Researcher Night, Climatology Laboratory in the field of Geography and Climatology-09/2017
- Climatology Laboratory of Geography and Climatology, Athens Science Festival–04/2017
- Climatology Laboratory of Geography and Climatology, Athens Science Festivall 04/2016
- Museum of Paleontology (Sundays at the Museum) of the Department of Geology and Geoenvironment 2011

PARTICIPATIONS IN PROGRAMS

- Participation in the experiential program Meteorology Climatology "Time for Experiments of the Laboratory of Climatology in the field of Geography and Climatology, University of Athens 03/2019
- Laboratory of the Department of Environmental Chemistry for the Project: Magnetic measurements and potentially toxic elements in settled bus dust 2018

PERSONAL INTERESTS

- Dancing Chorus Theatre
- Sailing Travelling
- I write articles on my blog