Polyanthi Maria Trimi
Mining and Metallurgical Engineering | Petroleum Engineer
Greece, Chania, +30 6997049092, polyatri@gmail.com

Education

M.Sc. in Petroleum Engineering
Technical University of Crete
(2015-2017)
Master Thesis: "The effect of the reservoir fluid phase behavior treatment on the reservoir simulation predictions output."

- CMG suite was used, specifically the Winprop, Builder, IMEX simulator, and GEM simulator programs.

Mining and Metallurgical Engineer
National Technical University of Athens
(2008-2015)
Diploma Thesis: "Investigation of pelletizing parameters of fine particles."

- Recycling in agriculture for this specific material (industrial waste) was proposed.

Work Experience

Reservoir Engineer
Institute of Geoenergy (I.G.), Foundation for Research and Technology (F.O.R.T.H.)
Chania
1/2025-present

- Identification of geological formations that could be used for gas storage
- Conduct research on the properties of porous media and caprock integrity related to the underground storage of various gases
- Co- organization and contribution to the creation of a field trip guide for the area of geothermal interest of Aidipsos (Euboea)

Geothermal Reservoir Engineer
Hellenic Survey of Geological and Mineral Exploration (H.S.G.M.E., formerly I.G.M.E.)
Athens
6/2020-12/2023

- Creation of dynamic models of geothermal reservoirs and their calibration according to available measurements using FEFLOW
- Creation and evaluation of different management scenarios for geothermal reservoirs
- Management and presentation of field measurement data (water level depth and temperature vs depth measurements) and data from telemetric monitoring stations (pressure and temperature) for wells and volcanoes in the form of time-series graphs and maps using QGIS
- Updating the relevant databases with the above data
- Conducting on-site measurements of pressure, temperature, and physicochemical parameters (pH, conductivity, sampling) in wells

Civil Engineering Project Work
Technical Office
Volos
7/2019 – 5/2020

- Design and drafting of buildings (AutoCAD 2D) for licensing or inclusion under Law 4495/2017 within traditional settlements in Pelion and other areas
- Design of topographical plans
- Collection of necessary documents and submission of statements and objections to the land registry
- Collection and preparation of required documents for the classification of guesthouses and Special Tourist Facilities into key categories

Procurement and Training Coordinator
Antoniou Group of Companies Single-member P.C.C.
Larisa
1/2019-7/2019

- Assisted in the ongoing collaboration and training of representatives on new products, contributing to their understanding and ability to effectively communicate product benefits to clients
- Gained experience in procuring raw materials, working with suppliers to ensure quality and cost-effectiveness in purchasing

Internship Trainee
Grecian Magnesite S.A.
Gerakini Facilities
7/2012-8/2012

- Manual ore sampling from the separation sorter output line
- Use of a representative sample to determine the separation efficiency (product purity) of the camera and magnetic sorters as well as their sieving efficiency
- Determination of kiln feed characteristics (ore purity and size)

Other Qualifications

- Building energy inspector (A class)
- Certified engineer for guest houses and rooms to let classification
- Valid EU driving license (B vehicles)

Publications

1. **Trimi, Polyanthi** & Gaganis, Vassilis & Stamataki, Sofia. (2022). Numerical Reservoir Modeling of High Enthalpy Geothermal Fields in Greece. Materials Proceedings. 5. 120. 10.3390/materproc2021005120.
2. Arvanitis, Apostolos & Xenakis, Markos & **Trimi, Polyanthi** & Amvrazis, Marios & Mylonas, Christos. (2022). Monitoring of Key Parameters of the Neo Erasmio-Magana Geothermal Field.
3. Arvanitis, Apostolos & Xenakis, Markos & Amvrazis, Marios-Dimitrios & **Trimi, Polyanthi** & Karvouni, Konstantina. (2022). A 3D geological model of the Neo Erasmio-Magana low-enthalpy geothermal field (Thrace, Greece).