Charalampos Vasilatos

Position: Teaching Fellow (Geochemistry & Economic Geology)
Department: Economic Geology and Geochemistry
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Academic Qualifications:

- Ph.D. in Geochemistry, Faculty of Geology and Geoenvironment, University of Athens
- B.Sc. in Geology, Department of Geology, University of Athens

Appointments:

- 2014--today: Teaching Fellow, Faculty of Geology & Geoenvironment, University of Athens.
- 1994-2014: Research associate – Geologist, Dept: Economic Geology & Geochemistry, University of Athens.
- 2006-2011: Vocational Training Administrator, Vocational Training Centre SOLIDARITY NGO

Teaching Activities:

Teaching in the labs of the undergraduate courses:

- Geochemistry
- Energy Resources
- Industrial Minerals & Rocks
- Analytical Methods for rock and ore analysis.
- Analytical Methods for minerals and Rocks analysis.
- Petrology of Igneous Rocks
- Mineralogy

Teaching in postgraduate courses:

- Methods of Environmental Research and Environmental Reports
- Environmental mineralogy

Research Interests/Activities:

- High temperature geochemistry concerning the petrogenesis of igneous and metamorphic rocks and geochemical evidences for the formation of ore deposits
- Low temperature geochemistry including environmental and applied geochemistry
- Methods of environmental remediation
- Prediction of volcanic eruptions and earthquakes according to geochemical parameters changes.
- Raw materials exploration and exploitation
- New and innovative applications for raw materials and industrial by-products in environmental uses
- Materials science

Scientific Publications:

- 24 publications in peer review journals
- 23 refereed conference publications (full papers)
- 9 presentations in non refereed conferences
- More than 400 citations
- Google Scholar h index 10, Scopus h index 8.

Top 5 Publications

- Koukouzas, N., Vasilatos, C., Itskos, G., Mitsis, I., Moutsatsou, A., (2010). Removal of heavy metals from wastewater using CFB-coal fly ash zeolitic materials. *Journal of Hazardous Materials,* 173 (1-3), pp. 581-588. Elsevier.
- Vasilatos, Ch., Megremi, I., Economou-Eliopoulos M. & Mitsis. I., (2008). Hexavalent chromium and other toxic elements in natural waters in the Thiva – Tanagra – Malakasa Basin, Greece. *Hellenic Journal of Geosciences*, vol. 43, p 57-66.
- G Itskos, N Koukouzas, C Vasilatos, I Megremi, A Moutsatsou, (2012). Comparative uptake study of toxic elements from aqueous media by the different particle-size-fractions of fly ash. *Journal of hazardous materials,* 183 (1), 787-792, Elsevier.
- Economou-Eliopoulos, M., Megremi I., Ch. Vasilatos (2011). Factors controlling the heterogeneous distribution of Cr(VI) in soil, plants and groundwater: evidence from the Assopos basin, Greece. *Chemie der Erde –Geochemistry*, 71 (1), p.39–52. Elsevier.
- Koukouzas N. & Vasilatos Ch, (2008). Mineralogical and chemical properties of FGD gypsum from Florina, Greece, *Journal* of Chemical Technology and Biotechnology, 83:20–26. Wiley.

Other Activities:

- Participation in more than 15 International R&D and National Research Projects.
- Long laboratory experience in Greece (University Athens, Institute of Geological and Mineral Research, NCSR DIMOKRITOS) as much as in EU (University of Leicester, UK), in modern analytical methods (X.R.D., X.R.F., A.A.S., I.N.A.A., S.E.M., E.P.M.A., etc.)
- Long-time experience in the adaptation, development and application of new methods for environmental geochemical research
- Certified trainer on issues of Geology and Information Technology in the Registration of the National Accreditation Centre for Continuing Vocational Training (EKEPIS).
- Participation in the writing of books and educational material.
- Professional experience in Computer & Information Technology and its applications in Geosciences.