



Konstantinos Chassapis

Title: Associate Professor of Chemistry and Technology of Natural Resources

Sector: Inorganic and Environmental Chemistry and Technology

Phone: +30 210 7274251 (office)

Fax: +30 210 7274782

Email: chassapis@chem.uoa.gr

Academic Qualifications:

- Ph.D. in Chemistry (1987) Dept. of Chemistry, University of Athens
- B.Sc. in Chemistry (1971) Dept. of Chemistry, University of Athens

Appointments:

- 2010-today: Associate Professor, University of Athens
- 2006-today: Scientific Manager and Partner in the Spin-Off Company of the University of Athens, ALCHEMA Ltd.
- 2001-today: Scientific advisor of HOUSE OF AGRICULTURE SPIROU S.A.
- 1995-2010: Assistant Professor, University of Athens
- 1987-1995: Lecturer of Chemistry, University of Athens
- 1973-1987: Graduate Assistant, University of Athens
- 1971-1973: Department of Lignite Research (Public Power Company)

Teaching Activities: (current)

Undergraduate courses

- Inorganic Chemical technology
- Spectroscopy

Postgraduate courses

- Chemistry and Environmental Technology of Mineral Resources

Supervisor of 2 Ph.D. and 11 M.Sc. dissertations

Research Interests/Activities: (last 10 years)

- Chemistry and physical properties of mineral resources and their applications
- Establishment of Physicochemical Analysis of Minerals Laboratory
- Development of new innovative fertilizers
- Development of novel materials, suitable for sustainable and organic farming based on natural raw substances, e.g., mineral coal (lignite and peat), perlite, zeolites, dolomite
- Green waste materials

Scientific Publications/Citations:

- 13 publications in refereed journals
- 14 refereed conference publications
- 1 Invited paper in international journal
- More than 50 citations.
- 3 National patents

Top five publications

- "Studies of the Low-Rank Greek Coals 1. Classification", C. Chassapis, C. Angelopoulos and D. Katakis, *Int. J. Coal Geol.*, 11 (1989) 303.

- "Evaluation of low-rank coals as raw material for Fe and Ca organomineral fertilizer using a new EDXRF method", C. Chassapis, M. Roulia, *Int. J. Coal Geol.*, 75 (2008), 185.
- "Chemistry of metal-humic complexes contained in Megalopolis lignite and potential application in modern organomineral fertilization", C. Chassapis, M. Roulia and D. Tsigoti, *Int. J. Coal Geol.*, 78 (2009), 288.
- "Fe(III)-humate complexes from Megalopolis peaty lignite: A novel eco-friendly fertilizer", C. Chassapis, M. Roulia, G. Nika, *Fuel*, 89 (2010), 1480.
- "Preparation of bioinorganic fertilizing media by adsorption of humates on glassy aluminosilicates", C. Chassapis, M. Roulia, E. Vrettou, A. Parassiris, *Colloids Surf. B*, 81 (2010), 115.

Distinctions:

- Creation of a spin-off company ALCHEMA Ltd. (2006), amongst the first 4 created in Greece by the University of Athens

Other Activities:

- Scientist in Charge in 16 Research Projects
- Participation in 5 research Projects
- Professional athlete and member of the international Greek National volleyball team (early '80s)
- Board Member of Panathinaikos Athletic Club (1990-2004)