Aikaterini (Katerina) Salta

CURRICULUM VITAE

ksalta@chem.uoa.gr

https://scholar.google.com/citations?user=HzJExWUAAAAJ&hl=en&oi=ao

Education

1985 B.Sc. Chemistry Department, NKUA

2001 M.Sc. Chemistry Education, Chemistry Department, NKUA

2007 Ph.D. Chemistry Department, NKUA
Thesis Title: "Investigation of knowledge, cognitive skills and attitudes that students acquire from the chemistry course in secondary education and their role in students' everyday life"

Appointments

April 2019 –today: Laboratory Teaching Staff, Chemistry Department, NKUA,

March 2019 –April 2019: Part-time Assistant Professor (407/80), Chemistry Department, NKUA

2007-2011: Part-time Lecturer (.407/80), Chemistry Department, NKUA,

2005-2007: Laboratory assistant, Chemistry Department, NKUA, Greece

Teaching (current)

Undergraduate: Chemistry Education

Postgraduate: Advanced Chemistry Education I, II

Research Interest

Affective aspects of science learning: motivations, interest, attitudes

Problem-solving in chemistry

Students' conceptions and reasoning

Development of chemistry curricula and educational materials

Science teachers' training

Funded Research Projects

"*Chemistry is All Around Us*" Leonardo da Vinci Subprogramme (2010–2011).

"*Chemistry is All Around Network*" – Comenius Subprogramme. (2011–2014).

MolVisEdu - "THALES" programme (2012–2015)

IRRESISTIBLE - 7th Framework Programme, (2013–2016).

Scientific Publications/Citations

11 publications in refereed journals

22 refereed conference publications

More than 450 citations (h-index 8 /Google Scholar database)

Selected Papers

Salta, K., Tzougraki Chr. (2004). Attitudes toward Chemistry among Eleventh Grade Students in High Schools in Greece. *Science Education*, 88 (4), 535-547.

Salta, K., Tzougraki Chr. (2011). Conceptual versus Algorithmic Problem-solving: Focusing on Problems dealing with Conservation of Matter in Chemistry. *Research in Science Education*, 41 (4), 587-609.

Gkitzia, V., Salta, K., Tzougraki Chr. (2011). Development and Application of Suitable Criteria for the Evaluation of Chemical Representations in School Textbooks. *Chemistry Education Research and Practice*, 12 (1), 5-14.

Vachliotis, T., Salta, K., & Tzougraki, C. (2014). Meaningful understanding and systems thinking in organic chemistry: Validating measurement and exploring relationships. *Research in Science Education*, 44(2), 239-266.

Salta, K., & Koulougliotis, D. (2015). Assessing motivation to learn chemistry: adaptation and validation of Science Motivation Questionnaire II with Greek secondary school students. *Chemistry Education Research and Practice*, 16(2), 237-250.

Gegios, T., Salta, K. & Koinis, S. (2017). Investigating high-school chemical kinetics: the Greek chemistry textbook and students' difficulties. *Chemistry Education Research and Practice*, 18(1), 151-168.

Other Activities

Reviewer: *Journal of Chemical Education, Chemistry Education Research and Practice, Journal of Research in Science Teaching*

Member: "Association of Greek Chemists", "Association for Education in Sciences and Technology", "European Science Education Research Association".