

**Personal
information**

First name /
Surname Vangelis Koutalis
E-mail vankout@eie.gr
Date of birth 03/10/1975
Residence Athens

Education and Research

2012-to the present: Participation in the DACALBO research project (Digital Archive Concerning Alchemy in Byzantium and in the Greek-speaking communities of the Ottoman empire), run by the Institute of Neohellenic Research of the National Hellenic Research Foundation in collaboration with a) the Laboratory of Science Education, Epistemology and Educational Technology of the University of Athens, b) the Department of Chemistry, University of Ioannina, and c) the Center for History and Paleography of the National Bank of Greece Cultural Foundation.

2012 Fall: Study of Greek manuscripts and printed books that contain texts relevant to the early modern alchemy. Research funded by SHAC (Society for the History of Alchemy and Chemistry – New Scholars Awards 2012-13).

2012 (February-March): Participation in the University of London Working Seminar on editing Byzantine Texts for 2012, organised by the Hellenic Institute of the Royal Holloway University of London.

2011 Fall – 2012 Winter: Visiting researcher in the History and Philosophy of Science Department of Cambridge University, as part of the research programme HePHaESTUS.

2011 Fall: Study and transcription of Greek manuscripts preserved in the Library of the Romanian Academy (Bucharest) that relevant to the early modern alchemy. Research funded by SHAC (Society for the History of Alchemy and Chemistry – New Scholars Awards 2011-2012).

2010 Fall: Allington Fellow for three months at the Chemical Heritage Foundation (Philadelphia, USA). Research Topic: Humphry Davy's *Consolations in Travel*.

2009-2011: Participation in the European research programme HePHaESTUS (*Hellenic Philosophy, History and Environmental Science Teaching Under Scrutiny*), run by the Institute of Neohellenic Research of the National Hellenic Research Foundation in collaboration with the Laboratory of Science Education, Epistemology and Educational Technology of the University of Athens.

2009-to the present: Doctoral Dissertation in progress, Department of Chemistry, University of Ioannina.

2009: Presentation of a Master's Thesis under the title *The Emergence of Chymistry under the Horizon of Renaissance Occultism* (in Greek), Department of Chemistry, University of Ioannina.

2001: Degree in Physics: Physics Department, University of Ioannina.

- Research subjects covered** History and Philosophy of Chemistry.
More particularly:
- a) the emergence of “chymistry” during the 16th and 17th centuries through the appropriation of Renaissance Occultism or Christian Kabbalism,
 - b) the epistemology of Joseph Priestley,
 - c) the chemical philosophy of Humphry Davy,
 - d) the historical reinterpretations of “chemical revolution”,
 - e) the rhetorical dimension of knowing, and the history of dialectical thinking, especially with regard to the emergence of scientific discourses.
 - f) the development of a demarcated field of knowledge, and a respective didactic tradition, concerning chemical phenomena in the Greek-speaking communities of SE Europe, during the 18th century, focusing especially on the unprinted manuscript textbooks of this period.
 - g) Byzantine and post-Byzantine alchemy.

Personal competences

- Mother tongue Greek
- Other languages English (Proficiency – Michigan University)
German (Zertifikat Deutsch – Goethe-Institut)
French (reading competence)
Latin (reading competence)
- Computer skills WORD, Internet.

Refereed Articles in Journals and Book Chapters

- 1) Constantine D. Skordoulis & Vangelis Koutalis, “Investigating the historical development of the concept of matter: controversies about/in ancient atomism”, in G. Tsapralis & H. Sevian (eds.), *Concepts of matter in science education*, series: Innovations in Science Education and Technology, 19, Dordrecht et al.: Springer, 2013, pp. 463-483.
- 2) Vangelis Koutalis, “Μεσολάβηση, υποκειμενικότητα και ζωντανή εργασία: Ο Homo Viator στο χριστιανικό καββαλισμό του Τζιοβάνι Πίκο ντε λα Μιράντολα»

(“Mediation, subjectivity and living labour: Homo Viator in the Christian kabbalism of Giovanni Pico della Mirandola”), *Αξιολογικά*, 28, Winter 2012, pp. 139-176.

- 3) Vangelis Koutalis, «Η πέτρα που θραύει την εικόνα: η έννοια της επανάστασης και η χρονικότητα μιας εξειδικευμένης επιστήμης» (“The little stone smiting the image: The concept of revolution and the temporality of a specialized science”), *Θέσεις*, 113, October-December 2010, pp. 91-132.
- 4) Vangelis Koutalis, «Το όπλο πάνω στο τραπέζι: το ψέμα, η αλήθεια, και η ρητορική διάσταση του γνωρίζειν» (“The gun left on the table: Falsehood, truth, and the rhetorical dimension of knowing”), *Ουτοπία*, 91, September-October 2010, pp. 67-85.
- 5) Vangelis Koutalis, «Αφαιρώντας απ’ το λόγο την οξεία αιχμή του: το τίμημα της οριοθέτησης της επιστημολογίας από τη ρητορική» (“Subtracting from discourse its cutting edge: The price paid for the demarcation of epistemology from rhetoric”), *Κριτική Επιστήμη & Εκπαίδευση*, 10, June 2010, pp. 29-64.
- 6) Vangelis Koutalis, «Αμφισβητώντας τη δικαιοδοσία του νικητή: η κριτική του Priestley στον Lavoisier» (“Disputing the jurisdiction of the victor: the criticism of Priestley to Lavoisier”), *Κριτική Επιστήμη & Εκπαίδευση*, 8, December 2008, pp. 59-88.
- 7) Efthymios Bokaris & Vangelis Koutalis, “the ‘system of chymists’ and the ‘Newtonian dream’ in Greek-speaking communities in the 17th-18th centuries”, *Science & Education*, 17 (no. 6), 2008, pp. 641-661.
- 8) Vangelis Koutalis, “Cosmopoiesis as a chymical process: Jean d’Espagnet’s *Enchiridion physicae restitutae* and its translation in greek by Anastasios Papavassilopoulos”, proceedings of the 5th International Conference of the European Society of History of Science (Athens, 1-3 November 2012). Forthcoming.
- 9) Vangelis Koutalis & Efthymios Bokaris, “Teaching Boscovich’s puncta in SE Europe: Athanasios Psalidas’ *Physics in General*”, proceedings of the International Conference for the tercentenary of the birth of Ruggiero Giuseppe Boscovich (Ragusa 1711 – Milano 1787), Pavia, 8-10 September, 2011. Under publication.
- 10) Vangelis Koutalis, «Η στρατηγική του κάρθου: Γνώση

Articles in peer-reviewed Conference Proceedings

και εξουσία στη *Monada Hieroglyphicam* του John Dee» (“The scarab strategy: Knowledge and power in John Dee’s *Monada Hieroglyphicam*”), in C. Skordoulis et al (eds.), *Ιστορία, φιλοσοφία και διδακτική των επιστημών*, proceedings of the Pan-Hellenic Conference “History, philosophy, & didactics of science” – Athens, 6-9 May 2010, Athens: Nissos, 2011, pp. 55-62.

- 11) Vangelis Koutalis, «Το ποντίκι στην αεραντλία: Η χημεία ως εστία αμφισβήτησης των κοινωνικών ιεραρχιών» (“The mouse in the air pump: chemistry as a stage of criticism for social hierarchies”), in C. Skordoulis et al (eds.), *Ιστορία, φιλοσοφία και διδακτική των επιστημών*, Proceedings of the Pan-Hellenic Conference “History, philosophy, & didactics of science” – Athens, 6-9 May 2010, Athens: Nissos, 2011, pp. 199-212.
- 12) Efthymios Bokaris & Vangelis Koutalis, “The spread of “Chymia” and Lavoisier’s views in the Greek speaking regions”, in José Ramón Bertomeu-Sánchez, Duncan Thorburn Burns, & Brigitte Van Tiggelen (eds.), *Neighbours and territories – The evolving identity of chemistry; Proceedings of the 6th International Conference on the History of Chemistry*, Louvain-la-neuve, Belgium: Mémosciences asbl, 2008, pp. 597-607.
- 13) Efthymios Bokaris & Vangelis Koutalis, «Δημήτριος-Δανιήλ Φιλιππίδης: Η ‘Χημική’ ως εμπροσθοφυλακή της “πειραματικής φιλοσοφίας” και ως πρότυπο εκπαιδευτικής γλώσσας» (“Demetrius-Daniel Phillipides: Chemistry as a vanguard of experimental philosophy and as a pattern of educational language”), in C. Skordoulis, E. Nicolaidis, E. Koleza & D. Chasapis (eds.), *Ζητήματα επιστήμης: Ιστορία, φιλοσοφία και διδακτική*, proceedings of the 4th Meeting on the History, Philosophy, & Didactics of Science in Athens, 28-30 September 2007, Athens: Nissos, 2008, pp. 15-28.
- 14) Vangelis Koutalis & Efthymios Bokaris, «Το “σύστημα των χημικών” στις ελληνόφωνες κοινότητες κατά τον 18^ο αιώνα» (“The ‘system of chymists’ in Greek-speaking communities during 18th century”), in C. Skordoulis & E. Nicolaidis (eds.), *Ιστορία, φιλοσοφία και διδασκαλία των φυσικών επιστημών*, proceedings of the 3rd Pan-Hellenic Conference on the History, Philosophy and Teaching of Natural Sciences, Athens: Hellinika Grammata, 2005, pp. 45-52.
- 15) Vangelis Koutalis & Efthymios Bokaris, «Το ‘νευτωνικό όνειρο’ του Ψαλίδα ως εμπόδιο στην ανασυγκρότηση της Χημικής» (“Psalidas’ Newtonian dream as an obstacle to the reconstruction of chemistry”), in C. Skordoulis & L.

Chalkias (eds.), *Η συμβολή της ιστορίας και φιλοσοφίας των φυσικών επιστημών στη διδασκαλία των φυσικών επιστημών*, proceedings of the Second Pan-Hellenic Conference on the Contribution of History and Philosophy of Natural Sciences to the Teaching of Natural Sciences, Athens: Faculty of Primary Education, 2003, pp. 135-140.

16) Vangelis Koutalis & Constantine Skordoulis, «Η καρτεσιανή Οπτική και η “Νυχτερινή Περιπολία” του Rembrandt» (“Cartesian *Optics* and Rembrandt’s *Night Watch*”), in P. Koumaras, F. Seroglou & K. Skordoulis (eds.), *Proceedings of the Symposium “The Contribution of History and Philosophy of Natural Sciences to the Teaching of Natural Sciences” – Thessaloniki 6-8 April 2001*, Thessaloniki: Christodoulides Editions, pp. 224-236.

Manuscripts in Submission

17) Vangelis Koutalis, “Making discoveries for a better life vs. bringing fruits to the national treasury: Davy, Babbage, Brewster and the (ongoing) struggle for the soul of science”. Article submitted to the journal *Almagest* on June 2012. Status: The manuscript has been reviewed and is being corrected and resubmitted.

18) Vangelis Koutalis, “Cogito and Sum: Coleridge’s theory on method”. Article submitted to the journal *Configurations* on June 2012. Status: Awaiting reviewer selection.

Papers submitted to Conferences or Symposia

19) Vangelis Koutalis, “Chemical philosophy before and after the antiphlogistic revolution: The legacy of J. Priestley and the singularity of H. Davy”. Paper presented during the international Symposium “Europe et sciences modernes, histoire d’un engendrement mutuel”, Nantes, 20-24 February 2013.

20) Vangelis Koutalis & Efthymios Bokaris, “Translating histories: How Greek-speaking scholars of the early 19th century reconstructed the temporality of chemistry”, paper presented during the 8th International Conference on History of Chemistry, “Pathways of knowledge”, Rostock, 14-16 September 2011 (session: “Books, Languages, Words, Formulae”).

21) Vangelis Koutalis, “Making discoveries for a better life vs. bringing fruits to the national treasury: Davy, Babbage and the (ongoing) struggle for the soul of science”, paper presented during the International Conference on Critical Education, Athens, Greece, 12-16 July 2011.

22) Vangelis Koutalis & Efthymios Bokaris, «Από το αντιδοτάριο στο λεξικό: Το *Lexicon Pharmaceutique* του N. Lemery και η χειρόγραφη μετάφρασή του από τον Γεώργιο Όμηρο» (“From antidotarium to lexicon: Lemery’s *Lexicon Pharmaceutique* and its manuscript translation by Georgios Omiros”), paper presented during the 20th Pan-Hellenic Conference on Chemistry “Chemistry: Education, research and applications”, Ioannina, 20-23 September 2005. The abstract was published in the *Proceedings*, Ioannina: University of Ioannina, 2005, p. 131.

23) Vangelis Koutalis & Efthymios Bokaris, «Πρώτες επιστημολογικές προσεγγίσεις της “Χημικής” στο Νεοελληνικό Διαφωτισμό: Ο Ψαλίδας και ο A. F. Fourcroy», (“Preliminary epistemological approaches to ‘chymistry’ during neo-Hellenic enlightenment: Athanasios Psalidas and A. F. Fourcroy”), paper presented during the 5th Conference of the Department of Chemistry of the University of Ioannina “25 years of the Department of Chemistry – Basic and applied chemical research”, Ioannina, 22-24 October 2002. The abstract was published in the *Proceedings*, Ioannina: University of Ioannina, 2002, O48, L48.

Talks and Seminar Presentations

24) Vangelis Koutalis, “The conception of elements in Humphry Davy’s *Elements of Chemistry*”. Talk given at a meeting of AD-HOC, the history of chemistry reading group (Department of History and Philosophy of Science, Cambridge University), 6 June 2012.

25) Vangelis Koutalis, «Η αναγωγή στην απλότητα της μονάδας: Αλχημεία και θεοσοφία κατά την Αναγέννηση» (“The reduction to the simplicity of the monad: Alchemy and theosophy during the Renaissance”). Lecture given at the National Hellenic Research Foundation on the occasion of the International Year of Chemistry, Athens, 1 February 2011.

26) Vangelis Koutalis, “Humphry Davy’s Last Days: The Chemist as a Philosopher and a ‘Dreamer of Dreams’”. Talk given as part of the 2010 series of “Brown Bag Lectures”, Chemical Heritage Foundation, Philadelphia, USA, 26 October, 2010.

27) Vangelis Koutalis, «*Voarchadumia*: Η αξιοποίηση του χριστιανικού καββαλισμού για την οριοθέτηση της ‘χημικής φιλοσοφίας’ από την αλχημεία» (“*Voarchadumia*: Christian kabbalism employed as a means of demarcation between ‘chymical philosophy’ and alchemy”). Seminar given during the 6th workshop on

“Critical approaches to science and education”, Elati,
Greece, July 17th, 2009.