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## JEAN CHRISTIANIDIS

### CURRENT POSITION

**University of Athens**, 1997 –  
Associate Professor (History of Mathematics and Logic)  
Department of Philosophy and History of Science (MThE)

**Centre Alexandre Koyré / CRHST** (Paris), 2011 –  
Chercheur associé

### ACADEMIC CARRER

- 2008–** Associate Professor: Department of Philosophy & History of Science,  
University of Athens, Greece
- 2002–2008** Assistant Professor: Department of Philosophy & History of Science,  
University of Athens, Greece
- 2008 (May 2-31)** Professeur invité: Ecole des Hautes Etudes en Sciences Sociales, Paris,  
France
- 2005 (Mars 1 – June 30)** Chercheur invité: 1) Centre de recherche en histoire des  
sciences, Cité des sciences et de l'industrie, La Villette, Paris, France;  
and 2) Université Paris I (Panthéon – Sorbonne), Paris, France
- 1997–2002** Lecturer: Department of Philosophy & History of Science, University of  
Athens, Greece

### EDUCATION

University degree, Department of Mathematics, University of Athens, Greece, 1983  
Doctor of Philosophy in History of Mathematics, Department of Mathematics, University  
of Athens, Greece, 1991

## PROFESSIONAL OFFICES/DUTIES

- 2011 –** Vice-president of the Department of Philosophy & History of Science, University of Athens
- 2009–2011** Head of the Division of History of Science and Technology of the Department of Philosophy & History of Science, University of Athens
- 1994 –** Editor-in-chief of *Neusis* (Greek Journal for the History and Philosophy of Science and Technology) [<http://www.nnet.gr/neusis.htm>]
- 1992 –** Member of the International Commission on the History of Mathematics (ICHM) [<http://www.unizar.es/ichm/members.htm>]
- 2007 –** Co-editor of the series “Science & History”, Nefeli Publishers
- Referee for Journals** Mathematical Reviews  
Historia Mathematica  
Isis  
Revue d’histoire des mathématiques

## COURSES / SEMINARS TAUGHT

### **Department of Philosophy & History of Science (undergraduate level)**

History of Mathematics; History of Science in Antiquity; Special Topics in the History of Mathematics; History of Greek Science

### **Department of Philosophy & History of Science (graduate level)**

History of Science in Antiquity; Topics in the History of Mathematics

### **Department of Mathematics (undergraduate level)**

History of Mathematics from Antiquity to the Renaissance

## SUPERVISION OF THESES

I am supervising the preparation of five (5) Ph.D. theses of Ioanna Skoura, Nancy Megremy, Marie Dupond (co-supervising with Jean Dhombres), Theodora Touliatou, and Dimitris Livaditis.

## AREAS OF EXPERTISE

History of Greek Mathematics; History of Greek Science; History of Byzantine Mathematics and Science; History of Algebra

## LIST OF SELECTED PUBLICATIONS

### I. Books and edited volumes

1. *The Rebirth of Archimedes. How a Medieval Book of the 10th Century Changes Established Views on Greek Mathematics.* (Texts by R. Netz, F. Acerbi, K. Saito, N. Wilson, N. Tchernetska, J. Christianidis, A. Demis). Edited by J. Christianidis. Athens, Nefeli Publishers, 2011. [In Greek]
2. *Disputes on the History of Greek Mathematics.* Edited by J. Christianidis, and D. Dialetis. Herakleion, Crete University Press, 2006. [In Greek]
3. *Classics in the History of Greek Mathematics.* Dordrecht, Kluwer Academic Publishers, 2004. Editor J. Christianidis. (Boston Studies in the Philosophy of Science, vol. 240).
4. *The History of the Idea of a Moving Earth in Greek Astronomy: A New Assessment.* Athens, 2003. Monograph submitted and rewarded by the University of Athens. With D. Dialetis, K. Gavroglu. [In Greek]
5. *Topics on the History of Mathematics: Egyptian, Babylonian and Greek Mathematics.* Herakleion, Crete University Press, 2003. [In Greek]
6. *Greek Science in Antiquity, in Byzantium, and in post-Byzantine period.* Patras, Greek Open University, 2000. With D. Dialetis, K. Gavroglu, G. Papadopoulos. [In Greek]
7. *Introduction to the History of Science and Technology.* Athens, School Books Publishing Organization, 1999. With T. Arabatzis, D. Dialetis, K. Gavroglu et al. [In Greek]
8. *Trends in the Historiography of Science.* Editors K. Gavroglu, J. Christianidis, and E. Nicolaïdis. Dordrecht, Kluwer Academic Publishers, 1994. (Boston Studies in the Philosophy of Science, vol. 151).

### II. Articles

9. A. Bernard, J. Christianidis, 2012. A new analytical framework for the understanding of Diophantus's *Arithmetica* I-III. *Archive for History of Exact Sciences* 66 (1), 1–69.
10. J. Christianidis, 2010. Some reflections on the historiography of classical algebra. *Proceedings of the History of Modern Algebra: 19th Century and Later Conference (Thessaloniki 3–4 October 2009)*, H. Charalambous, D. Papadopoulou, Th. Theohari-Apostolidi eds., Aristotle University of Thessaloniki, School of Mathematics, Department of Algebra, Number Theory and Mathematical Logic, p. 13–24.

11. J. Christianidis, A. Demis, 2010. Archimedes' Quadratures. In *The Genius of Archimedes*, S. Paipetis, M. Ceccarelli eds., New York, Springer, 57–68. (The article is a concise version of a paper published in Greek in the aforementioned book # 1.)
12. P. Fournarakis, J. Christianidis, 2010. On Archimedes' Pursuit Concerning Geometrical Analysis. In *The Genius of Archimedes*, S. Paipetis, M. Ceccarelli eds., New York, Springer, 69–81.
13. J. Christianidis, D. Dialetis, 2009. A new reading of the introduction to the *Arithmetica* of Diophantus. In *Instants and Durations: 13 texts on the Philosophy and History of Mathematics and Logic*, D. A. Anapolitanos ed., Athens, Nefeli Publishers, 343–376. [In Greek]
14. J. Christianidis, 2009. From Logistic to Algebra: Some clarifications on Diophantus' undertaking. In the collective volume *Use of History for Teaching Mathematics*. Thessaloniki, Ziti Publishers, 97–128. [In Greek]
15. J. Christianidis, 2008. The method of Diophantus for the solution of arithmetical problems and the rupture with the tradition of the old logistic. *Neusis* 17: 183–234. [In Greek]
16. J. Christianidis, 2007. The Way of Diophantus. Some clarifications on Diophantus' method of solution. *Historia Mathematica* 34: 289–305.
17. K. Gavroglu, D. Dialetis, J. Christianidis, 2007. The importance of the work of Pierre Duhem for the history of science. In Pierre Duhem, *To Save the Phaenomena* (text translated and edited by D. Dialetis, J. Christianidis), Athens, Nefeli Publishers, 217–254. [In Greek]
18. P. Fournarakis, J. Christianidis, 2006. Greek geometrical analysis: A new interpretation through the "Givens"-terminology. *Bollettino di Storia delle Scienze Matematiche* 26.1: 33–56.
19. J. Christianidis, 2004. Did the Greeks have the notion of common fraction and did they use it? In *Classics in the History of Greek Mathematics*, J. Christianidis ed. Dordrecht, Kluwer Academic Publishers, 331-336.
20. J. Christianidis, D. Dialetis, K. Gavroglu, 2003. Aristarchus' heliocentrism reconsidered: A new reading of Archimedes' *Sand-Reckoner*. In *Cosmology through Time: Ancient and Modern Cosmologies in the Mediterranean Area*, S. Colafrencesco and G. Giobbi eds., Milano, Mimesis, 113-122.
21. J. Christianidis, D. Dialetis, K. Gavroglu, 2003. The history of the idea of a moving Earth: Plato and Academy. *Neusis* 12: 35–55. [In Greek]
22. J. Christianidis, D. Dialetis, K. Gavroglu, 2002. Having a knack for the non-intuitive. Aristarchus' heliocentrism through Archimedes' geocentrism. *History of Science* 40: 147-168.

23. J. Christianidis, 2002. Les lecteurs byzantins de Diophante. In *Studies in History of Mathematics dedicated to A.P. Youschkevitch*, E. Knobloch, J. Mawhin, S.S. Demidov eds., Turnhout (Belgium), Brepols, 153-163. (*Proceedings of the xxth International Congress of History of Science*, vol. XIII.)
24. J. Christianidis, D. Dialetis, K. Gavroglu, 2001. Aristarchus and Heliocentrism: a new assessment of the nongeocentric tradition in Greek astronomy. *Neusis* 10: 3–44. [In Greek]
25. J. Christianidis, 1998. Une interprétation byzantine de Diophante. *Historia Mathematica* 25: 22-28.
26. J. Christianidis, 1996. Maxime Planude sur le sens du terme diophantien “*plasmaticon*”. *Historia Scientiarum* 6.1: 37-41.
27. J. Christianidis, 1996. The use of letters to represent numbers and the algebraic symbolism. *Neusis* 5: 83–90. [In Greek]
28. J. Christianidis, 1995. The interpretations of the method of Diophantus. *Neusis* 3: 109–132. [In Greek]
29. J. Christianidis, 1994. On the history of indeterminate problems of the first degree in Greek mathematics. In *Trends in the Historiography of Science*, K. Gavroglu, J. Christianidis, E. Nikolaidis eds. Dordrecht, Kluwer Academic Publishers, 237-247.
30. J. Christianidis, 1994. The “Chinese” remainder theorem and Greek logistics. An attempt at interpretation of the fragment VII 819b4-6 of Plato’s *Laws*. *Istoriko-Matematicheskie Issledovanija* 35: 202-213. [In Russian, translated by I. M. Vandoulakis]
31. J. Christianidis, 1994: The Arabic contribution to the revival of Diophantus. Review of: *Diophante. Les arithmétiques*. Tome III, *Livre IV*; Tome IV, *Livres V-VI-VII* [Paris, Les Belles Lettres, 1984] by R. Rashed. *Neusis* 1: 121–134. [In Greek]
32. J. Christianidis, 1993. The lost treatises of Diophantus. In *Ancient Greek Mathematics: Texts on History and Philosophy*, D. A. Anapolitanos, V. Karasmanis eds. Athens, Trochalia, 111–130. [In Greek]
33. J. Christianidis, N. Kastanis, 1992. In Memoriam: Evangelos S. Stamatis (1898-1990). *Historia Mathematica* 19: 99–105.
34. J. Christianidis, 1991. *Arithmêtikê Stoicheiôsis*: Un traité perdu de Diophante d’Alexandrie?. *Historia Mathematica* 18: 239–246.

### III. Greek translations

35. B. L. van der Waerden: *Science Awakening. Egyptian, Babylonian and Greek Mathematics*. Herakleion, Crete University Press, 2000.

36. P. Duhem: *To Save the Phaenomena*. Translated and edited by D. Dialetis, J. Christianidis. Athens, Nefeli Publishers, 2007.
37. J. Klein: The world of physics and the “natural” world. *Neusis* 7 (1997), 41–74. In collaboration with D. Lappas, M. Mytelinaios, G. Sagias, P. Spyrou.
38. I. G. Bashmakova: Les méthodes différentielles d’Archimède. *Mathématique Epithêrêsê* 35 (1988), 2–30.