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JEAN CHRISTIANIDIS

CURRENT POSITION

University of Athens, 1997 –

Professor (History of Mathematics), Department of History & Philosophy of Science (MIThE)

Personal website: <http://en.phs.uoa.gr/faculty-and-staff/faculty/jean-christianidis.html>

Personal website: <https://uoa.academia.edu/JeanChristianidis>

Centre Alexandre Koyré / CRHST (Paris), 2012 –

Membre partenaire

Personal website: <http://koyre.ehess.fr/index.php?363>

EMPLOYEMENT

2014 –	Professor of History of Mathematics, Department of History & Philosophy of Science, University of Athens, Greece
2008–2014	Associate Professor of History of Mathematics and Logic, Department of History & Philosophy of Science, University of Athens, Greece
2002–2008	Assistant Professor, Department of History & Philosophy of Science, University of Athens, Greece
1997–2002	Lecturer, Department of History & Philosophy of Science, University of Athens, Greece

AREAS OF EXPERTISE

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

EDUCATION

University degree, Department of Mathematics, University of Athens, Greece

Doctor of Philosophy in History of Mathematics, Department of Mathematics, University of Athens, Greece

TEACHING

- 1997 – University of Athens, Department of History & Philosophy of Science**
Undergraduate: History of mathematics; History of science in Antiquity; The arithmetical books of Euclid's *Elements*; History of Greek science; Seminars on various topics of the history of ancient mathematics and science
Postgraduate: History of science in Antiquity; Archimedes' mathematics; The commentators of Ptolemy in Late Antiquity; Diophantus' *Arithmetica* and its place in the history of algebra; Late antique commentators of Nicomachus' *Arithmetica*; Mathematics of Late Antiquity: traditions, transmissions, transformations; The Greeks, the Arabs, and the awakening of the European science; The tradition of 'saving the appearances' from Antiquity to the Renaissance; Ancient Rhetoric and Greek Mathematics; Topics in the historiography of Greek science
- 2011 – University of Athens, Department of Mathematics**
Undergraduate: History of Mathematics from Antiquity to the Renaissance

VISITING APPOINTMENTS

- May 2008 Professeur invité:
Ecole des Hautes Etudes en Sciences Sociales, Paris, France
- Mars 1 – June 30 2005 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

PROFESSIONAL OFFICES/DUTIES

- 2014 –** President of the Department of History & Philosophy of Science, University of Athens
- 2011–2014** Vice-president of the Department of History & Philosophy of Science, University of Athens
- 2009–2011** Head of the Division of History of Science and Technology of the Department of History & Philosophy 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; Centaurus
- Referee for Publishing Houses:** Springer

SUPERVISION OF THESES

Completed:

2014 M. Dupond: *La correspondance du géomètre Gaspard Monge (1795-1799)*

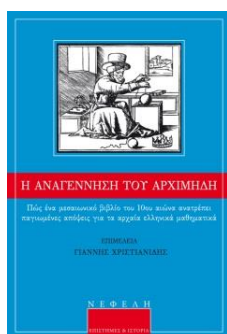
In progress:

I. Skoura: *The commentaries of Pappus and Theon of Alexandria on Ptolemy's Almagest*

A. Megremi: *The commentary of John Philoponus on Nicomachus' Arithmetical introduction*

D. Touliatou: *Heron of Alexandria, a mathematician of the 1st century CE*

LIST OF SELECTED PUBLICATIONS

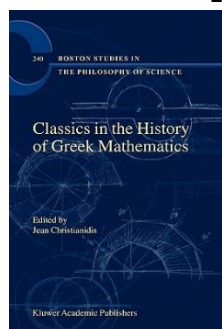


I. Books and edited volumes

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.* (Texts by S. Unguru, B. L. van der Waerden, H. Freudenthal, A. Weil, J. Christianidis, D. Dialetis).

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. M. Sialaros, J. Christianidis, 2016: Situating the debate on ‘geometrical algebra’ within the framework of premodern algebra. *Science in Context* 29: 129–150.
10. A. Megremi, J. Christianidis, 2015: Theory of ratios in Nicomachus’ *Arithmetica* and series of arithmetical problems in Pachymeres’ *Quadrivium*: reflections about a possible relationship. *SHS Web of Conferences* 22: 00006. (Doi: 10.1051/shsconf/20152200006)
11. J. Christianidis, 2015: The meaning of *hypostasis* in Diophantus’ *Arithmetica*. In T. Arabatzis, J. Renn, A. Simoes (eds): *Relocating the History of Science. Essays in Honor of Kostas Gavroglu*. Springer, 315–327.
12. I. Skoura, J. Christianidis, 2014. ‘As Diophantus says’: Theon of Alexandria, an erudite reader of Diophantus. *Neusis* 22: 5–52. [In Greek]
13. A. Megremi, J. Christianidis, 2014. George Pachymeres, a reader of Nicomachus: The arithmetical theory of rations as a means for solving problems. *Neusis* 22: 53–86. [In Greek]
14. D. Touliatou, J. Christianidis, 2014. Between theoretical and practical geometry: A new interpretation of Heron’s *Metrica*. *Neusis* 22: 87–120. [In Greek]
15. J. Christianidis, I. Skoura, 2013. Solving problems by algebra in late antiquity: New evidence from an unpublished fragment of Theon’s commentary on the *Almagest*. *Sciamvs* 14: 41–57.
16. J. Christianidis, J. Oaks, 2013. Practicing algebra in late antiquity: The problem-solving of Diophantus of Alexandria. *Historia Mathematica* 40: 127–163.
17. 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.
18. A. Bernard, J. Christianidis, 2012: «Explicitly tacit knowledge in Diophantus». Oberwolfach report of the workshop *Explicit Versus Tacit Knowledge in Mathematics* organized by T. Archibald, J. Peiffer, N. Schappacher, January 9–14, 2012. *Oberwolfach Reports*, report No 4/2012, p. 24–27.
19. 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.
20. 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.)
21. 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.
22. 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]

23. 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]
24. 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]
25. J. Christianidis, 2007. The Way of Diophantus. Some clarifications on Diophantus' method of solution. *Historia Mathematica* 34: 289–305.
26. 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]
27. 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.
28. 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.
29. 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. Colafrancesco and G. Giobbi eds., Milano, Mimesis, 113–122.
30. 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]
31. 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.
32. 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.)
33. J. Christianidis, D. Dialetis, K. Gavroglu, 2001. Aristarchus and Heliocentrism: a new assessment of the non-geocentric tradition in Greek astronomy. *Neusis* 10: 3–44. [In Greek]
34. J. Christianidis, 1998. Une interprétation byzantine de Diophante. *Historia Mathematica* 25: 22–28.
35. J. Christianidis, 1996. Maxime Planude sur le sens du terme diophantien "*plasmaticon*". *Historia Scientiarum* 6 (1): 37–41.
36. J. Christianidis, 1996. The use of letters to represent numbers and the algebraic symbolism. *Neusis* 5: 83–90. [In Greek]

37. J. Christianidis, 1995. The interpretations of the method of Diophantus. *Neusis* 3: 109–132. [In Greek]
38. 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.
39. 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-Matematicheskije Issledovanija* 35: 202–213. [In Russian, translated by I. M. Vandoulakis]
40. 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]
41. J. Christianidis, N. Kastanis, 1992. In Memoriam: Evangelos S. Stamatis (1898–1990). *Historia Mathematica* 19: 99–105.
42. J. Christianidis, 1991. *Arithmêtikê Stoicheiôsis*: Un traité perdu de Diophante d’Alexandrie? *Historia Mathematica* 18: 239–246.

III. Essay reviews

43. J. Christianidis, 2013. The Archimedes palimpsest: the definitive edition. Review of: R. Netz, W. Noel, N. Tchernetska, and N. Wilson (eds): *The Archimedes palimpsest*, 2 vols. Vol. I: Catalogue and commentary; Vol. II: Images and transcription (The Archimedes Palimpsest Publications series). Cambridge: Cambridge University Press, 2011. *Metascience* 22, 137–142.
44. 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]

IV. Greek translations

45. B. L. van der Waerden: *Science Awakening. Egyptian, Babylonian and Greek Mathematics*. Greek translation with introduction and notes by J. Christianidis. Herakleion, Crete University Press, 2000.



46. P. Duhem: *To Save the Phaenomena*. Translated and edited by D. Dialetis, J. Christianidis. Athens, Nefeli Publishers, 2007.

47. J. A. Oaks: The series of problems in al-Khwārizmī’s *Algebra*. *Neusis* 22 (2014): 149–167. Translated by J. Christianidis.

48. J. Klein: The world of physics and the ‘natural’ world. *Neusis* 7 (1997): 41–74. Translated by J. Christianidis, D. Lappas, M. Mytelinaios, G. Sagias, P. Spyrou.



49. I. G. Bashmakova: Les méthodes différentielles d’Archimède. *Mathêmatikê Epitheôrêsê* 35 (1988): 2–30. Translated by J. Christianidis.