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## JEAN CHRISTIANIDIS

### CURRENT POSITION

**University of Athens, 1997 –**

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

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### EMPLOYEMENT

- 2014 – Professor of History of Mathematics, Dpt. of History & Philosophy of Science, National and Kapodistrian University of Athens, NKUA
- 2008–2014 Associate Professor of History of Mathematics and Logic, Dpt. of History & Philosophy of Science, NKUA
- 2002–2008 Assistant Professor, Dpt. of History & Philosophy of Science, NKUA
- 1997–2002 Lecturer, Dpt. of History & Philosophy of Science, NKUA

### AREAS OF EXPERTISE

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

### EDUCATION

- 1991: PhD in History of Mathematics (Dpt. of Mathematics, NKUA). Title of dissertation: *Linear Diophantine equations in the Greek mathematical tradition*
- 1983: BSc in Mathematics (Dpt. of Mathematics, NKUA)

### TEACHING

- 1997 – **NKUA, Department of History & Philosophy of Science** Undergraduate and Postgraduate courses on the History of Mathematics and Science
- 2011 – **NKUA, Department of Mathematics**  
*Undergraduate*: History of Mathematics from Antiquity to the Renaissance

### PROFESSIONAL OFFICES/DUTIES

- 2014–2017 Head of the Department of History & Philosophy of Science, NKUA
- 2017–2020 Member of the Ephorate at *General State Archives of Greece*
- 2018–2020 Alternate Member of the Supervisory Committee at *Hellenic Institute of Byzantine and Post-Byzantine Studies in Venice*
- 2016 – Corresponding Member at *Académie Internationale d'Histoire des Sciences*
- 1991 – National Member at *International Commission on the History of Mathematics*
- 1994 –2021 Editor-in-chief of *Neusis* (Greek Journal for the History and Philosophy of Science and Technology)
- 2019 – Co-editor of the series “Ancient Scientific Literature” (Crete University Press)

### SUPERVISION OF THESES

- 2014 M. Dupond: *La correspondance du géomètre Gaspard Monge (1795-1799)*
- 2016 I. Skoura: *The commentaries of Theon on the Mathematical Syntaxis of Ptolemy*

- 2016 A. Megremi: *Pythagorean arithmetic tradition and commentary culture in Late Antiquity: the Exegesis of Ioannes (John) Philoponus on Nicomachus' of Gerasa Arithmetic introduction*
- 2017 D. Touliatou: *Between Theoretical and Practical Geometry: A New Reading of the Metrica of Heron of Alexandria*

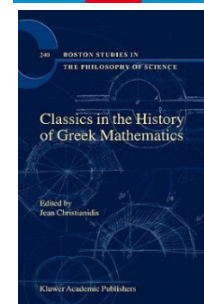
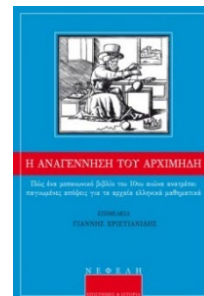
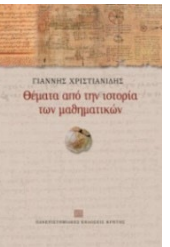
## LIST OF SELECTED PUBLICATIONS

### I. Books and edited volumes

1. J. Christianidis, J. A. Oaks, 2023. *The Arithmetica of Diophantus. A Complete Translation and Commentary*. London and New York, Routledge.
2. J. Christianidis (ed.), 2011. *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). Athens, Nefeli Publishers. [In Greek]
3. J. Christianidis, D. Dialetis (eds), 2006. *Disputes on the History of Greek Mathematics*. (Texts by S. Unguru, B. L. van der Waerden, H. Freudenthal, A. Weil, J. Christianidis, D. Dialetis). Herakleion, Crete University Press. [In Greek]
4. J. Christianidis (ed.), 2004. *Classics in the History of Greek Mathematics*. Dordrecht, Kluwer Academic Publishers. (Boston Studies in the Philosophy of Science, vol. 240).
5. J. Christianidis, 2003. *Topics on the History of Mathematics: Egyptian, Babylonian and Greek Mathematics*. Herakleion, Crete University Press. [In Greek]
6. J. Christianidis, D. Dialetis, G. Papadopoulos, K. Gavroglu, 2000. *Greek Science in Antiquity, in Byzantium, and in post-Byzantine period*. Patras, Greek Open University. [In Greek]
7. K. Gavroglu, J. Christianidis, and E. Nicolaidis (eds), 1994. *Trends in the Historiography of Science*. Editors. Dordrecht, Kluwer Academic Publishers. (Boston Studies in the Philosophy of Science, vol. 151).

### II. Articles (published since 2000)

8. J. Christianidis, M. Sialaros, 2022: «Rhetoric and History of Mathematics: The Case of Diophantus of Alexandria». In S. Papaioannou, A. Serafim, M. J. Edwards (eds), *Brill's Companion to the Reception of Ancient Rhetoric*. Leiden, Boston: Brill, 617–642.
9. J. Christianidis, 2021: «Analytical Reasoning and Problem-Solving in Diophantus's *Arithmetica*: Two Different Styles of Reasoning in Greek Mathematics». *Philosophia Scientiae* 25 (3), 103–130.
10. J. Christianidis, 2021: «Diophantus». In *Oxford Classical Dictionary*. Oxford University Press. Article published June 28, 2021. doi: <https://doi.org/10.1093/acrefore/9780199381135.013.2229>.
11. J. Christianidis, A. Megremi, 2019. «Tracing the early history of algebra: Testimonies on Diophantus in the Greek-speaking world (4th-7th century CE) ». *Historia Mathematica* 47, 16–38.
12. A. Megremi, J. Christianidis, 2019: «Interpreting Tables of the *Arithmetical Introduction* of Nicomachus through Pachymeres' Treatment of Arithmetic: Preliminary Observations». In A. Volkov, V. Freiman (eds), *Computations and Computing Devices in Mathematics Education before the Advent of Electronic Calculators*. Springer, 65–93.
13. J. Christianidis, 2018. «Diophantus and Premodern Algebra. New Light on an Old Image». In M. Sialaros (ed.), *Revolutions and Continuity in Greek Mathematics*. Berlin, Boston: Walter de Gruyter, 35–65.



14. J. Christianidis, 2018. «La démarche de Diophante démythifiée: l'algèbre prémoderne au service de la résolution de problèmes». In *Actes du 12ème colloque maghrébin d'histoire des mathématiques arabes (Marrakech 26–28 mai 2016)*, coordonné par Ezzaim Laabid, Marrakech: Ecole Normale Supérieure, 41–69.
15. M. Sialaros, J. Christianidis, 2016: Situating the debate on 'geometrical algebra' within the framework of premodern algebra. *Science in Context* 29: 129–150.
16. 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.
17. J. Christianidis, 2015: The meaning of *hypostasis* in Diophantus' *Arithmetica*. In T. Arabatzis, J. Renn, A. Simoes (eds): *Relocating the History of Science*. Springer, 315–327.
18. 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.
19. J. Christianidis, J. Oaks, 2013. Practicing algebra in late antiquity: The problem-solving of Diophantus of Alexandria. *Historia Mathematica* 40: 127–163.
20. 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.
21. J. Christianidis, 2010: «Some reflections on the historiography of classical algebra». In *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, 13–24.
22. J. Christianidis, A. Demis, 2010: «Archimedes' Quadratures». In *The Genius of Archimedes – 23 Centuries of Influence on Mathematics, Science and Engineering*, S.A. Paipetis, M. Ceccarelli eds., Dordrecht, Springer, 57–68.
23. J. Christianidis, P. Fournarakis, 2010: «On Archimedes' Pursuit Concerning Geometrical Analysis». In *The Genius of Archimedes – 23 Centuries of Influence on Mathematics, Science and Engineering*, S.A. Paipetis, M. Ceccarelli eds., Dordrecht, Springer, 69–81.
24. J. Christianidis, 2007. «The Way of Diophantus. Some clarifications on Diophantus' method of solution». *Historia Mathematica* 34: 289–305.
25. 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.
26. 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.
27. 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. Colafrenesco and G. Giobbi eds. Milano: Mimesis, 113–122.
28. 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.
29. 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: Brepols, 153–163. (Proceedings of the XXth International Congress of History of Science, vol. XIII.)