

Publications

I. Books

1. C. Papanastasiou, C. P. Constantinou, Z. Zacharia and K. Korfiatis
IEA Research, Vol. 5: TIMSS – 1995, Upper secondary students’
performance in mathematics and science, (in Greek) Nicosia, 2008, ISBN:
978-9963-671-30-4.
2. C. Papanastasiou, Z. Zacharia, K. Korfiatis and C. P. Constantinou
IEA Research, Vol. 12: TIMSS – 2003, Primary students’ performance in
science, (in Greek) Nicosia, 2008, ISBN: 978-9963-671-37-3.
3. C. Papanastasiou, K. Korfiatis, C. P. Constantinou and Z. Zacharia
IEA Research, Vol. 14: TIMSS – 2003, Lower secondary students’
performance in science, (in Greek) Nicosia, 2008, ISBN: 978-9963-671-39-7.
4. P. Papon, C. P. Constantinou, H. Havelkova, M. Bucchi, A. Cereijo Roibas,
S. Cozzens, S. de Cheveigné, S. Holm, St. Rayner, J. Sandor, J. Summerton
Mid-term Assessment of Science and Society Activities 2002-2006,
European Commission, 2007
5. J. M. Gago, J. Ziman, P. Caro, C. Constantinou, Gr. Davies, I. Parchmann, M.
Rannikmae, Sv. Sjoberg (2005)
Europe needs more scientists: Increasing Human Resources for Science and
Technology in Europe.
Report by the High Level Expert Group on Human Resources for Science and
Technology in Europe, European Commission: DG Research, Science and
Society Programme, ISBN 92-894-8458-6
6. C. P. Constantinou
The Nitromethane - Amine Interaction
Ph.D. Thesis (230 pages)
Department of Physics, University of Cambridge, 1992.

II. Edited Books

7. Z. C. Zacharia, C. P. Constantinou and M. Papaevripidou
Application of New Technologies in Science and Education. Proceedings of the 9th International Conference on Computer Based Learning in Science. OEIiZK, Warsaw, Poland, 2010.
ISBN: 978-9963-689-85-9

8. C. P. Constantinou and N. Papadouris
Physics Curriculum Design, Development and Validation
GIREP 2008 International Conference: Selected Papers
Learning in Science Group, University of Cyprus, 2010
ISBN: 978-9963-689-20-0

9. L. Louca, Chr. Papademetri - Kahrimani and C. P. Constantinou (eds)
Science Education in the Early Years: A collection of research studies (in Greek).
Learning in Science Group, Nicosia, 2005.
ISBN: 9963-607-86-1

10. Z. Zacharia and C. P. Constantinou (Special Issue Editors)
The role of research in using technology to enhance learning in science.
Journal of Educational Research and Evaluation, Vol. 11, No. 6, December 2005.

11. C. P. Constantinou, Z. C. Zacharia and M. Papaevripidou
Contemporary Perspectives on New Technologies in Science and Education.
Proceedings of the 8th International Conference on Computer Based Learning in Science. eMedia, University of Crete, Greece, 2007.
ISBN: 978-9963-671-06-9

12. C. P. Constantinou, Z. C. Zacharia, & P. A. M. Kommers (Special Issue Editors)
The role of Information and Communication Technology in Science Teaching and Learning.
International Journal of Continuing Engineering Education and Lifelong Learning, Vol. 15, Nos1/2, 2005.

13. Z. C. Zacharia and C. P. Constantinou
Integrating New Technologies in Science and Education. Proceedings of the 7th International Conference on Computer Based Learning in Science. University of Zilina, Slovakia, 2005.
ISBN: 978-9963-607-63-2
14. C. P. Constantinou, M. Zembylas (special issue editors)
Learning in Science in the Mediterranean Region.
A special issue of the Mediterranean Journal of Educational Studies, Vol. 8, No. 1, 2003.
15. C. P. Constantinou & Z. C. Zacharia (editors)
Proceedings of the Sixth International Conference on Computer Based Learning in Science. Volume I: New technologies and their applications in education.
Odegetes Publications, Nicosia, 2003.
16. C. P. Constantinou & Z. C. Zacharia (editors)
Proceedings of the Sixth International Conference on Computer Based Learning in Science. Volume II: The educational potential of new technologies.
Odegetes Publications, Nicosia, 2004.
17. C. P. Constantinou, A. Sevastidou, A. Economou, M. Magos, I. Papathanasiou, Th. Theodorou
Proceedings of the Second Mediterranean Computer – Using Educators Conference, Nicosia, 2001.
18. A. Gagatsis, C. P. Constantinou and L. Kyriakides (editors)
Learning and Assessment in Mathematics and Science
The Department of Educational Sciences, University of Cyprus, 45253-IC-2-CY-ERASMUS-IP-1), Nicosia, June 2000.

Curriculum Materials

III.a. Curriculum Materials: Books

19. L. C. McDermott, M. L. Rosenquist, P. Shaffer and C. P. Constantinou (forthcoming)
Physics by Inquiry (in Greek)
ION Publications, Athens, 2011.
20. C. P. Constantinou, D. Koursaris, N. Papadouris, G. Michael, (2011)
Astrobiology: can we make the planet Mars habitable? [Adapted version of the Teachers' Guide: Redfors, A., Hansson, L., Rosberg, M., & Lundh, I. (2009). Astrobiology in a socio-scientific framework.] Retrieved from <http://www.coreflect.org>
21. C. P. Constantinou, N. Papadouris, G. Michael, K. Iordanou, Chr. Avraam and E. Siakidou (2010).
Is global warming man-made or natural? [Teacher's Guide].
Cyprus: Learning in Science Group, University of Cyprus. Accessible online at <http://www.coreflect.org>.
22. C. P. Constantinou, M. Livitzis, R. Hadjilouca, A. Scholinaki, M. Papaevripidou, N. Papadouris, Y. Hadjidemetriou, I. Karmiotis, M. Michael, Y. Hadjikostis, A. Stylianou, M. Kyndini, M. Pouangare, L. Fakiolas (2010)
Electromagnetic properties of materials: Teachers' Guide. (in Greek and English).
Learning in Science Group, University of Cyprus, ISBN: 978-9963-689-59-0
978-9963-689-57-6.
23. C. P. Constantinou, M. Livitzis, R. Hadjilouca, A. Scholinaki, M. Papaevripidou, N. Papadouris, Y. Hadjidemetriou, I. Karmiotis, M. Michael, Y. Hadjikostis, A. Stylianou, M. Kyndini, M. Pouangare, L. Fakiolas (2010)
Electromagnetic properties of materials: Teaching and learning activities. (in Greek and English).
Learning in Science Group, University of Cyprus, ISBN: 978-9963-689-58-3
978-9963-689-56-9.
24. R. Pinto, D. Couso, M. I. Hernandez, M. Armengol, C. Cortijo, R. Martos, M. Padilla, C. Rios, M. Simon, C. Sunyer, M. Tortosa, C. P. Constantinou, M.

- Livitzis, M. Papaevripidou, N. Papadouris, A. Scholinaki, E. Loizidou, M. Pouangare (2010)
Acoustic Properties of Materials: Teachers' Guide. (in Greek and English).
Learning in Science Group, University of Cyprus, ISBN: 978-9963-689-39-2
978-9963-689-37-8.
25. R. Pinto, D. Couso, M. I. Hernandez, M. Armengol, C. Cortijo, R. Martos, M. Padilla, C. Rios, M. Simon, C. Sunyer, M. Tortosa, C. P. Constantinou, M. Livitzis, M. Papaevripidou, N. Papadouris, A. Scholinaki, E. Loizidou, M. Pouangare (2010)
Acoustic Properties of Materials: Teaching and learning activities.
(in Greek and English).
Learning in Science Group, University of Cyprus, ISBN: 978-9963-689-38-5
978-9963-689-36-1.
26. C. P. Constantinou, A. Ioannou, G. Michael, D. Demetriou, E. Kyriazi, M. Michael, M. Michaelidou, F. Egitimi, A. Gurubu.
Science Camps for Girls: an Innovative Teachers' Guide for Science Activities
Published by the Learning in Science Group, Cyprus, 2009.
English edition, ISBN: 978-9963-671-83-0.
Turkish edition, ISBN: 978-9963-671-99-1.
Greek edition, ISBN: 978-9963-671-82-3.
27. C. P. Constantinou, Chr. Lymbouridou and A. Sevastidou
CIT Support for Science Teaching in the Primary School (in Greek), Ministry of Education and Culture, Cyprus, 2008, ISBN: 978-9963-0-1326-5
28. C. P. Constantinou and the Learning in Science Group
The science fair: a means to developing investigative skills – Teachers' Book (in Greek)
Ministry of Education and Culture, Cyprus, 2004, ISBN: 9963-0-1258-2.
29. C. P. Constantinou and the Learning in Science Group
The science fair: a means to developing investigative skills – Students' Book (in Greek)
Ministry of Education and Culture, Cyprus, 2004, ISBN: 9963-0-1259-0.

30. C. P. Constantinou and the Learning in Science Group
The science fair: a means to developing investigative skills – Book of Investigations
(in Greek)
Ministry of Education and Culture, Cyprus, 2004, ISBN: 9963-0-1260-4.
31. C. P. Constantinou, G. Feronymou, E. Kyriakidou and Chr. Nicolaou
Natural Science in the Kindergarten: A Resource for Teachers. (in Greek)
Ministry of Education and Culture, Cyprus, 2002, ISBN: 9963-0-1236-1.

III.b. Curriculum Materials: Videos

32. L. C. McDermott, P. Shaffer, C. P. Constantinou, P. R. L. Heron, St. Vokos
Physics by Inquiry: a Video Resource
Production: WGBH Educational, Boston, MA, 2000
Distribution: Annenberg Learning International, Washington, D.C.
Funding: National Science Foundation
33. C. P. Constantinou, E. Kyriakidou, Chr. Nicolaou, A Katsioloudi and the
Learning in Science Group: a Video Resource, 2005
Natural Science in the Kindergarten: The development of scientific thinking
Production & Distribution: L&K Educational
Funding: Cyprus Ministry of Education and Culture

III.c. Curriculum Materials: CDs

34. C. P. Constantinou, Chr. Lymbouridou and A. Sevastidou
CIT Support for Science Teaching in the Primary School (in Greek), Ministry
of Education and Culture, Cyprus, 2008, ISBN: CD1 978-9963-0-1327-2
CD2 978-9963-0-1328-9

III.d. Curriculum Materials: Web resources

35. C. P. Constantinou, D. Koursaris, N. Papadouris, G. Michael, (2011)
Astrobiology: can we make the planet Mars habitable? [Adapted version of
the Stochasmos online learning environment: Redfors, A., Hansson, L.,
Rosberg, M., & Lundh, I. (2009). Astrobiology in a socio-scientific
framework.] Sweden: Kristianstad University. Retrieved from
<http://www.coreflect.org>

36. C. P. Constantinou, N. Papadouris, G. Michael, K. Iordanou, Chr. Avraam and E. Siakidou, (2010) Is global warming man-made or natural? [Computer software: Stochasmos online learning environment]. Cyprus: Learning in Science Group, University of Cyprus. Accessible online at <http://www.coreflect.org>.
37. E. Kyza, G. Michael, C. P. Constantinou (2008) Why did flamingo birds die in the Larnaca Salt-lake? [Web-based Learning Environment]. Cyprus: University of Cyprus. Accessible at <http://www.stochasmos.org>.
38. E. A. Kyza and C. P. Constantinou
Stochasmos: A web-based platform for reflective, inquiry-based teaching and learning.
www.stochasmos.org
Cyprus: Learning in Science Group, 2007

III. Publications in Scientific Journals with Blind Review System

39. C. P. Constantinou and N. Papadouris
Teaching and Learning about Energy in Middle School: An Argument for an Epistemic Approach.
Submitted to the *Journal of Research in Science Teaching*
40. A. Sevastidou and C. P. Constantinou
Exploring design-based learning as a way to scaffold science teachers in adopting inquiry-oriented frameworks
Submitted to *Learning, Media and Technology*
41. Chr. Kadji-Beltran, Z. Zacharia, G. Raper, U. Nagel, C. P. Constantinou, P. Lindemann-Matthies
Newly qualified primary school teachers and the implementation of biodiversity education in school.
Submitted to the *Journal of Environmental Education*
42. C. P. Constantinou, A. Raftopoulos, G. Spanoudes and D. Natsopoulos
Preschoolers' Construction of Operational Definitions in Magnetism
Submitted to the *Journal of Research in Science Teaching*
43. L. T. Louca, Z. C. Zacharia and C. P. Constantinou.
In quest of productive modeling-based learning discourse in elementary school science.
Journal of Research in Science Teaching, 2011, Vol. 48, No. 8, pp. 919-951.
44. E. Kyza, C. P. Constantinou and G. Spanoudis
Sixth graders' co-construction of explanations of a disturbance in an ecosystem: exploring relationships between grouping, reflective scaffolding and evidence-based explanations.
International Journal of Science Education, 2011, Vol. 33, No. 18, pp. 2489-2525. DOI 10.1080/09500693.2010.550951.
45. R. Hadjilouca, C. P. Constantinou and N. Papadouris
The rationale for a teaching innovation about the interrelationship between science and technology.
Science & Education, 2011, Vol. 20 (10), pp. 981 – 1005,

DOI 10.1007/s11191-010-9332-1.

46. L. T. Louca, M. Michael, Z. C. Zacharia, & C. P. Constantinou.
Objects, entities, behaviors and interactions: A typology of student-constructed computer-based models of physical phenomena.
Journal of Educational Computing Research, 2011, Vol. 44(2), pp. 173-201.
47. P. Lindemann-Matthies, C. P. Constantinou, H. J. Lehnert, U. Nagel, G. Raper and Chr. Kadji-Beltran
Confidence and perceived competence of pre-service teachers to implement biodiversity education in primary schools - four comparative case studies from Europe.
International Journal of Science Education, 2011, Vol. 33, No. 16, pp. 2247-2273. DOI 10.1080/09500693.2010.547534
48. C. P. Constantinou and N. Kalyfommatou
The development of the conceptual model of analyzing luminous objects into many point sources and its influence on student understanding of certain concepts in optics (in Greek).
Accepted for Publication in *Contemporary Issues in Education*
49. N. Papadouris and C. P. Constantinou
A Philosophically Informed Teaching Proposal on the Topic of Energy for Students Aged 11-14.
Science & Education, 2011, Vol. 20 (10), pp. 961-979,
DOI 10.1007/s11191-010-9305-4.
50. C. P. Constantinou, R. Hadjilouka and N. Papadouris
Students' Epistemological Awareness Concerning the Distinction between Science and Technology.
International Journal of Science Education, 2010, Vol. 32 (2) pp. 143 - 172.
51. N. Papadouris and C. P. Constantinou
Approaches employed by sixth-graders to compare rival solutions in socio-scientific decision-making tasks.
Learning and Instruction, 2010, Vol. 20, pp. 225-238

52. D. Demetriou, K. Korfiatis, C. P. Constantinou
A 'bottom-up' approach to food web construction.
Journal of Biological Education, 2009, Vol. 43 (4), pp. 181-187.
53. P. Lindemann-Matthies, C. P. Constantinou, X. Junge, K. Köhler, J. Mayer, U. Nagel, G. Raper, D. Schüle and Chr. Kadji-Beltran
The integration of biodiversity education in the initial education of primary school teachers: four comparative case studies from Europe.
Environmental Education Research, 2009, Vol. 15 (1), pp. 17-37.
54. Chr. Th. Nicolaou, K. Korfiatis, M. Evagorou and C. P. Constantinou
Development of decision-making skills and environmental concern through computer-based, scaffolded learning activities.
Environmental Education Research, 2009, Vol. 15 (1), pp. 39-54.
55. N. Papadouris and C. P. Constantinou
A methodology for integrating computer-based learning tools in science curricula
Journal of Curriculum Studies, 2009, Vol. 41, No. 4, pp. 521-538.
56. M. Evagorou, K. Korfiatis, Chr. Nicolaou and C. P. Constantinou
An investigation of the potential of interactive simulations for developing system thinking skills in elementary school: a case study with fifth and sixth graders
International Journal of Science Education, 2009, Vol. 31, No. 5, pp. 655-674.
57. Z. Zacharia and C. P. Constantinou
Comparing the Influence of Physical and Virtual Manipulatives in the Context of the *Physics by Inquiry* Curriculum: The Case of Undergraduate Students' Conceptual Understanding of Heat and Temperature
American Journal of Physics, 2008, Vol. 76, No. 4&5, pp. 425-430.
58. N. Papadouris, C. P. Constantinou and Th. Kyratsi
Students' use of the energy model to account for changes in physical systems
Journal of Research in Science Teaching, 2008, Vol. 45, No. 4, pp. 444-469.

59. A. C. Mettas and C. P. Constantinou
The Technology Fair: a project-based learning approach for enhancing problem solving skills and interest in Design and Technology Education.
International Journal of Technology and Design Education, 2007, Vol. 18, No. 1, pp. 79-100
60. M. Papaevripidou, C. P. Constantinou and Z. Zacharia
Modeling complex marine ecosystems: an investigation of two teaching approaches with fifth-graders
Journal of Computer Assisted Learning, 23(2) April 2007, pp. 145-157
61. Chr. T. Nicolaou, Iolie A. Nicolaidou, Z. C. Zacharia and C. P. Constantinou
Enhancing Fourth Graders' Ability to Interpret Graphical Representations Through the Use of Microcomputer-Based Labs Implemented Within an Inquiry-Based Activity Sequence
Journal of Computers in Mathematics and Science Teaching, 2007, Vol. 26, No. 1, pp. 75-99
62. N. Papadouris, C. P. Constantinou and Th. Kyratsi
An epistemologically informed proposal for the teaching of energy to students aged 11-15: the rationale of the proposal and empirical support (in Greek)
Science Teaching: Research and Practice, 2006, Vol. 18, pp. 53-62
63. A. C. Mettas and C. P. Constantinou
The Technology Fair Project.
The Technology Teacher, 2006, Vol. 65, No. 8, pp. 19-21
64. A. Raftopoulos, N. Kalyfommatou and C. P. Constantinou
The Properties and the Nature of Light: The Study of Newton's Work and the Teaching of Optics
Science and Education, 2005, Vol. 14, pp. 649-673
65. D. Koliopoulos, C. P. Constantinou and M. Evagorou
The science fair: an example of non-formal education in science (in Greek).
Contemporary Education, 2005, 141, pp. 109-119.
66. Z. C. Zacharia and C. P. Constantinou
The role of research in using technology to enhance learning in science

Educational Research and Evaluation, 2005, Vol. 11 (6), pp. 509-512.

67. Chr. Th Nicolaou, I. A. Nicolaidou and C. P. Constantinou
The e-Learning movement as a process of quality improvement in higher education
Educational Research and Evaluation, 2005, Vol. 11 (6), pp. 605-622.
68. Z. C. Zacharia, C. P. Constantinou and P. Kommers
The role of Information and Communication Technology in Science Teaching and Learning
International Journal of Continuing Engineering Education and Lifelong Learning, 2005, Vol. 15, Nos 1/2, pp. 1-4
69. M. Papaevripidou, M. Hadjiagapiou and C. P. Constantinou
Combined development of middle school children's conceptual understanding in momentum conservation, procedural skills and epistemological awareness in a constructionist learning environment.
International Journal of Continuing Engineering Education and Lifelong Learning, 2005, Vol. 15, Nos 1/2, pp. 95-107
70. D. Koliopoulos and C. P. Constantinou
The pendulum as presented in school science textbooks of Greece and Cyprus
Science & Education, 2005, Vol. 14, pp. 59-73.
71. C. P. Constantinou, E. Kyriakidou and Chr. Nicolaou
Natural Science in the Kindergarten – A Resource for Teachers: A program of Research and Development
Science Teaching: Research and Practice (in Greek), 2004, Vol. 7, pp. 5-11
72. C. P. Constantinou
The use of concept mapping as an assessment tool in science
Theory of Science, 2004, Vol. 1, pp. 35-66.
73. C. P. Constantinou and N. Papadouris
Potential Contribution of Digital Video to the Analysis of the Learning Process in Physics.
Educational Research and Evaluation, 2004, Vol. 10, pp. 21-39.

74. C. P. Constantinou and M. Zembylas
The role of science education in the Mediterranean region.
Mediterranean Journal of Educational Sciences, 2003, Vol. 8, No. 1, pp. 1-5.
75. R. W. Fortner and C. P. Constantinou
Global science literacy: definition, needs assessment and concerns for Cyprus.
Mediterranean Journal of Educational Sciences, 2003, Vol. 8, No. 1, pp. 29-41.
76. P. S. Anastasiades, C. P. Constantinou, A. Sevastidou, A. Eleftheriou, M. Christoforides, Chr. Filippidou, M. Ahilleos
Distance Learning: The Development of a Collaborative Environment for Science Learning in Cypriot Primary Schools (in Greek).
Science Teaching: Research and Practice, 2003, Vol. 4, pp. 41-50.
77. C. P. Constantinou
Performance Assessment in Physical Science and the Role of Concept Mapping.
International Journal of Continuing Education and Lifelong Learning, 2002, 12(1), pp. 45-59.
78. I. N. Diakidoy and C. P. Constantinou
Creativity in Physics: Response Fluency and Task Specificity
Creativity Research Journal, 2001, Vol. 13, Nos. 3&4, pp. 401-410.
79. L. C. McDermott, P. S. Shaffer and C. P. Constantinou
Preparing teachers to teach physics and physical science by inquiry.
Physics Education, 2000, 35 (6), pp.411-420.
80. C. P. Constantinou
The Cocoa Microworld as an Environment for Modeling Physical Phenomena.
International Journal of Continuing Education and Life-Long Learning. ISSN 0957-4344. 1999, Vol. 9, No 2, pp. 201-213.
81. C. P. Constantinou, H. Phtiaka and M. Kefala
Book Review: School Textbooks: Research and Evaluation. M. Kondyli and Y. Papamichael (editors). Published by the Unesco Chair (UNITWIN) of Patras University in Learning, Teaching and Evaluation.

Mediterranean Journal of Educational Studies, 1997, Vol. 8, pp. 35-41.

82. C. P. Constantinou and M. M. Chaudhri.
Measurement of the sensitization of nitrocompounds by amines using differential scanning calorimetry.
Journal of Thermal Analysis 44 (1995) pp. 1301-1311.
83. Y. M. Gupta, G. I. Pangilinan, J. M. Winey and C. P. Constantinou.
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Chem. Phys. Lett. 232 (1995) pp. 341-345.
84. C. P. Constantinou, C. Pereira and M. M. Chaudhri.
Increased concentration of the nitromethyl aci-anion in nitromethane - amine mixtures.
Propellants, Explosives and Pyrotechnics 20 (1995) pp. 200-205.
85. C. P. Constantinou.
The study of decomposition reactions through the exchange of thermal energy.
International Journal of Chemical Kinetics., 26 (1994) pp. 1151-1166.
86. C. P. Constantinou, J. M. Winey and Y. M. Gupta.
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J. Phys. Chem. 98 (1994) pp. 7767-7776.
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The UV / visible absorption spectra of shocked nitromethane - amine mixtures.
High Pressure Science and Technology - 1993, American Institute of Physics Press, 1994, pp. 1559-1562.
Abstract also published in *Bulletin of the American Physical Society*, Series II, Vol. 38, No. 6, July 1993 pp. 1181.
88. C. P. Constantinou, T. Mukundan and M. M. Chaudhri.
The sensitization of nitrocompounds by amines.
Philosophical Transactions of the Royal Society A, 339 (1992) pp. 403-417.

89. S. R. P. Silva, C. P. Constantinou, G. A. J. Amaratunga, D. R. McKenzie.
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International Journal on the science and technology of diamond and related materials, 1 (1992) pp. 612-618.
90. S. R. P. Silva, C. P. Constantinou, G. A. J. Amaratunga.
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Journal of Applied Physics 72 No.3 (1992) pp. 1149-1153.
91. C. P. Constantinou and M. M. Chaudhri.
Optical observations of 'junction growth' in asperities of copper, aluminium, PTFE and nylon under combined normal and tangential stresses.
Journal of Materials Science 24 (1989) pp. 4279-4292.

IV. Chapters in Edited Books

92. C. P. Constantinou, M. Papaevripidou, M. Lividjis, A Scholinaki and R. Hadjilouca
Teaching and learning about electromagnetism in high school: addressing issues of relevance and epistemic practice.
In C. P. Constantinou and N. Papadouris (editors) *Physics Curriculum Design, Development and Validation*, Selected Papers from the GIREP 2008 International Conference, 2010, pp. 296-310, ISBN: 978-9963-689-20-0.
93. Chr. Loulli, Chr. Papademetri and C. P. Constantinou
Capabilities and difficulties of pre-school children in solving measurement problems (in Greek)
Accepted for Publication In K. Plakitsi (editor) *Sociocognitive and sociocultural approaches to science in early childhood* (pp. xx_xx).
Athens: Patakis, 2010, ISBN:
94. Chr. Th. Nicolaou, I. A. Nicolaidou and C. P. Constantinou
Scientific model construction by pre-service teachers using Stagecast Creator.
In P. Blumschein, W. Hung, D. Jonassen and J. Strobel (editors) *Model-Based Approaches to Learning: Using Systems Models and Simulations to Improve Understanding and Problem Solving in Complex Domains*, 2009, Sense Publishers, Boston, pp. 215-236, ISBN: 978-90-8790-709-9.
95. R. Hadjilouca, N. Papadouris and C. P. Constantinou
Promoting 6th Grade Student Understanding of the Distinction Between Science and Technology and their Interconnections: Results from the Design and Validation of Curriculum Materials (in Greek).
In K. Korfiatis, D. Portides, A. Raftopoulos and D. Charalambous (editors) *Scientific Theories and Science Education*, 2009, University of Cyprus, pp. 342-352.
96. G. Michael, N. Papadouris, C. P. Constantinou and E. Kyza
6th Grade Student Ideas and Difficulties with the Subjective Nature of Knowledge Claims (in Greek)
In K. Korfiatis, D. Portides, A. Raftopoulos and D. Charalambous (editors) *Scientific Theories and Science Education*, 2009, University of Cyprus, pp. 362-369.

97. E. A. Kyza and C. P. Constantinou
A Design-Based Approach to Professional Development: The Need to See Teachers as Learners to Achieve Excellence in Inquiry-Based Science Education
In *J. Zumbach, N. Schwartz, T. Seufert and L. Kester (editors) Beyond Knowledge: The Legacy of Competence*, 2008, Springer, The Netherlands, pp. 173-181, ISBN: 978-1-4020-8827-8
98. C. P. Constantinou and N. Papadouris
Epistemological Awareness: a fundamental component of science learning (in Greek)
V. Koulaidis, A. Apostolou and K. Kampourakis (editors) *The Nature of Science: Teaching Approaches*, Child Services Publications, Athens, 2008, pp. 39-60,
ISBN: 978-960-98209-0-5
99. M. Papaevripidou, C. P. Constantinou and Z. Zacharia
The Development of Elementary Students' Understanding of Complex Ecosystems Through a Model-Based Approach
In *R. Pinto and D. Couso (editors) Contributions from Science Education Research*, Springer, Dordrecht, 2007, pp. 333-345, ISBN: 978-1-4020-5031-2.
100. N. Papadouris and C. P. Constantinou
The development of epistemological awareness in various aspects of the nature of science (in Greek)
In D. Koliopoulos (ed) *History, Philosophy and Science Teaching: Cultural Aspects of Science in Education*, University of Patras, 2007, pp. 431-439,
ISBN: 978-960-415-190-5
101. R. Hadjilouka and C. P. Constantinou
The evolving relationship between science and technology: historical, philosophical and educational aspects (in Greek)
In D. Koliopoulos (ed) *History, Philosophy and Science Teaching: Cultural Aspects of Science in Education*, University of Patras, 2007, pp. 533-544,
ISBN: 978-960-415-190-5
102. R. Hadjilouka, N. Papadouris and C. P. Constantinou
An investigation of 6th graders' perceptions of the distinction between science

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