

MARIA KORDAKI: Curriculum Vitae

1. PERSONAL INFORMATION

Born in Chania, Krete, Greece 01/01/1953. Married, two children

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http://www.ct.aegean.gr/images/stories/PEOPLE/Kordaki_Maria/vita-Kordaki-English.pdf

<http://scholar.google.gr/citations?user=SRShj28AAAAJ&hl=en>

2. EDUCATION

- ***Ph.D. in Digital Educational Technology.*** Dept.of Education, University of Patras, Greece, grade excellent (1999).
- ***Masters in Educational Policy, Psychology and Counseling.*** Dept. of Education, University of Patras, Greece, grade: excellent, rated 2nd (1995).
- ***Diploma in Civil Engineering.*** Dept. of Civil Engineering, University of Patras, Greece, (1987).
- ***Bachelor in Mathematics.*** Dept. of Mathematics, University of Patras, Greece, (1979).

3. PROFESSIONAL EXPERIENCE

3.1. TERTIARY EDUCATION

- ***May 2015 – up to now***

Associate professor of Educational Technology, at the Department of Cultural Technology, at University of the Aegean, Greece.

Teaching courses:

- Design of Digital Educational Environments
- Cognitive approaches and Digital Educational Environments

- Human Computer Interaction
- Digital environments of playful learning
- Graphics I (in collaboration with Mrs Kelidou)
- Graphics II (in collaboration with Mrs Kelidou)

Post graduate program

Spring 2014 - up to now

Teaching also in the post graduate program ‘Cultural Informatics’ of the Department of Cultural Technology and Communications University of the Aegean, Greece.

Teaching courses:

- Design of Digital Educational Applications (Spring 2014-15 with Assistant Professor Thanasis Daradoumis)
- Design of Digital Educational Applications (Fall 2016-17 –up to now)
- Human Computer Interaction (Spring 2016-17 –up to now)

- **2010 – April 2015**

Assistant professor of Educational Technology, at the Department of Cultural Technology, at University of the Aegean, Greece.

Teaching courses:

- Special Issues in Educational Technology
- Learning Theories
- Design of Digital Educational Environments, I and II
- Cognitive approaches and Digital Educational Environments
- Didactics of Computing
- Human Computer Interaction
- Analysis I
- Digital environments of playful learning

- **1999 -2011**

Adjunct assistant professor at the Dept. of Computer Engineering and Informatics, University of Patras, Greece.

Teaching courses:

- Didactics of Computing I: Computer as a learning subject as well as a learning tool (spring: 1999-2000 and 2000-2001).
- Didactics of Computing II: Computer and Web-based learning (fall: 2000-2001).
- Educational Technology & Didactics of Computing I (spring: 2001-2010).
- Educational Technology & Didactics of Computing II (fall: 2001-2010).

- **2002 -2008**

Adjunct assistant professor at the post graduate program: ‘Information and Communication Technologies in Education – Educational software’ Computational Mathematics and Informatics’ of the Dept. of Mathematics, University of Patras, Greece.

Teaching courses:

- Didactics of Mathematics & Educational software
- Didactics of Computing (with Professor V. Komis)

- **2005-2009 and 2011-up to now**

Collaborating Professor at the Hellenic Open University

Teaching courses:

- Informatics in Education (code: PLH37).

- **1997-2000**

Adjunct professor at Dept of Education, School of Pedagogical and Technological Education (ASPATE)

Teaching courses:

- Engineering education

- **1992-1995**

Teaching assistance at University of Patras, Dept. of Primary education.

3.2. TEACHER EDUCATION

- **2004-2007**

Assistant-director of Western Greek Center for **Teacher Education** (PEK Patras, Greece).

- **1998 -2010**

Advisor of secondary level mathematics' teachers (about 170 teachers per year).

- **1983-1998**

Mathematics' teacher in the Secondary level of education.

3.3. E-LEARNING

- **October, 2007-April, 2008**

Designer and Online teacher in three e-learning communities relating with the design and implementation of Virtual tools in every day teaching practices (realized in the context of the European program SOCRATES-COMENIUS-MINERVA: VccSSe – VIRTUAL COMMUNITY COLLABORATING SPACE FOR SCIENCES EDUCATION).

- **December, 2003 - April, 2004**

Designer and Online teacher of the online course entitled: *The use of educational software in the teaching and learning of Mathematics in Primary and Secondary level of Education*. Within the context of an E-learning community for teachers University of the Aegean, Dept of Pre-primary Education, Rhodes, Greece (Directors: A. Dimitrakopoulou, G. Chlapanis).

4. RESEARCH ACTIVITIES

4.1. RESEARCH PROGRAMS

- September 2014- August 2016: National coordinator in the European Erasmus+ Research program (Strategic Partnerships addressing more than one field: KA2 – Cooperation and Innovation for Good Practices) entitled: 'EduForHealth' Let's make it better! Raising the awareness of the triad nutrition-health-food safety in school education, 2014-1-RO01-

KA200-002931.

- December 2013- September 2014: Participation as a member in the European Research Project NTVIS (New Transgenerational Visual Literacy), FP7- 2012-1-GR1_GRU06-10487 1.
- May 2010 - May 2012: Participation as a member in the European Research Project ALICE (Adaptive Learning via Intuitive/Interactive, Collaborative and Emotional systems), FP7-ICT-2009-5-257639.
- September 2006- September 2009: National coordinator in the European program SOCRATES-COMENIUS-MINERVA: VccSSe – VIRTUAL COMMUNITY COLLABORATING SPACE FOR SCIENCES EDUCATION (2006-2009). Participating countries: Romania, Spain, Poland, Greece and Finland. **This project was presented as one of the best 50 European projects of the past ten years**, in a special catalogue dedicated to the Best Practice Examples for Dissemination and Valorization of the Educational Projects.
- 2004-2007: Design and implementation of educational software for the learning of mathematical concepts by pupils of 2nd and 3rd grade (Primary level of education). Scientific coordinator. Kastaniotis publishers. Accepted after review by the Greek Ministry of Education and the Greek National Institute of Education.
- 1999-2001: Design and development of learning objects (learning scenarios and interactive constructions) using the well known dynamic educational software CABRI-GEOMETRY II and authoring appropriate books for mathematics teachers –in Greek junior and high secondary schools- for the learning of geometrical concepts. 'Kirki' project. Scientific coordinator. Kastaniotis publishers.
- 1999: Connecting Corners: A Greek-Danish project in Mathematics Education (1999). In L. Nielsen, T. Patronis and O. Skovmose (Eds). Systime: Denmark, pp. 131.
- 1994-1995: International project for Mathematics Education: the KASSEL project.

4.2. TEACHER EDUCATION PROGRAMS

- May 2011 – January 2012: **Scientific coordinator of the in-service teacher-education program for mathematics teachers' educators** about the appropriate use of Information and Communication Technologies in Mathematics Education (University Education Center, Aegean, Greece). Co-ordination Dept of pre-Primary Education, University of the Aegean, Greece; ESPA, May 2011- January 2012)

- May 2011 – January 2012: Education of Mathematics teachers’ educators about the appropriate use of Information and Communication Technologies in Mathematics Education (University Education Center of the University of the Aegean, Rhodes, Greece; ESPA, May 2011- January 2012)
- May 2011 – January 2012: Education of Computer Science teachers’ educators about the appropriate use of Information and Communication Technologies in Computer Science Education (University Education Center of the University of Athens, Greece; ESPA, May 2011- January 2012).
- 2004-2007: Organization and supervision of many teacher education programs in the Western Greece (Achaia, Kefallinia, Zakynthos, Hleia, and Aitoloakarnania), as assistant director of Western Greek Center for **Teacher Education** (PEK Patras, Greece).
- 1998-2010: In-service training of mathematics’ teachers (as a school advisor) in the secondary level of education: about 170 teachers and 80 schools per year.
- December 2007 - February 2008: Scientific coordinator of the in-service teacher - education program for mathematics teachers’ educators about the appropriate use of Information and Communication Technologies in Mathematics Education (University Education Center, Patras, Greece). Co-ordination Dept of Mathematics and Dept of pre-Primary Education, University of Patras, Greece; EPEAEK, December 2007- February, 2008)
- December 2007-February 2008: Education of Mathematics teachers’ educators about the appropriate use of Information and Communication Technologies in Mathematics Education (University Education Centers in Patras, Athens, Thessaly and Thessaloniki, Greece)
- January 2008 - December 2008: Computer Science teacher training in Didactics of Computing (EPEAEK, January 2008-December 2008)
- 2004-2007. Establishment of Centers for Teaching Mathematics using Technology (CE.T.MA.T). The aim of CE.T.MA.T was to diffuse knowledge about didactics of Mathematics using Technology in schools teachers and students at Secondary and Primary level of education. The theoretical approach used acknowledges social and constructivist views regarding knowledge construction. To accomplish this aim a number of teaching experiments are designed and realized in real classroom situations. Moreover, specific learning materials are designed and produced and a number of teacher education sessions are carried out. *Location: Aitoloakarnania region, Greece (Nafpaktos, Agrinion).*

- 2000-2001: **‘Teaching Secondary level education mathematics’ using educational software**. Project for Secondary level mathematics teachers’ education. Scientific co-ordinator. Center for Teacher Education (PEK) of Tripoli, Tripoli, Greece, 2000-2001.
- 1997-1998: **‘ODYSSEAS: teaching and learning using computers’**. National project for ICT in Secondary level education (Greece, 1997-1998).
- 1995 up to now: Participating as a teacher in more than **40 programs** organized by Peripheral Teacher Education Centers (PEK) **for training of Secondary level education teachers about Didactics and ICT in Computing and Mathematics Education**.

5. RESEARCH INTERESTS

Educational Technology

Design, implementation and evaluation of educational software using social and constructivist views of learning, Learning Design, Online learning, Open Source Learning Management Systems, Computer Supported Collaborative Learning (CSCL), Teaching and learning using ICT, Educational Digital Story Telling, Digital Game Based Learning (DGBL), HCI.

Didactics and Teacher education

Didactics of both; Computer Science and Mathematics for Secondary and Primary level of Education, ICT in Education with an emphasis on Secondary and Primary Computer Science Education and Mathematics Education, ICT and Teacher Education, Gender and ICT, Mathematics and Computer Science Teacher Education.

5.1. Member of International Societies, Program Committees, etc.

1. Professional member of AACE (Association of Advances on Computers in Education)
2. Professional member of ISTE (International Society for Technology in Education)
3. Member of International Association for Development of the Information Society (IADIS)
4. Member of the Greek Scientific Association of ICT in Education (ETPE).
5. Member of the Greek Mathematical Society (HMS).
6. Member of the Greek Association of the Researchers in Didactics of Mathematics (EnEDiM).
7. Editorial Board of: *‘Education and Information Technologies’*. International Journal (The official journal of IFIP).
8. Editorial Board of *‘Journal of Teaching English with Technology (TEwT), ISSN 1642-1027.*

9. Editorial Board of: “*Scientific Bulletin of Electrical Engineering Faculty*” Department of Electrical Engineering, Valahia University of Targoviste, Romania.
10. Scientific Board of: “*Journal of Science and Arts*”. Indexed in ISI Thomson, Reuters, ISSN 1844-9581. <http://www.josa.ro/en/>
11. Scientific Board of the ‘Research Center for Pedagogical Analysis and Development ‘I. T. Radu’’, University of Valahia at Târgoviște, Romania.
12. Editorial Board (2007-2011) of: ‘*Journal for Computing Teachers*’ (production of SIGCT of ISTE).http://www.iste.org/Content/NavigationMenu/Membership/SIGs/SIGCS_Computer_Science_/JCTJournalforComputingTeachers/PastIssues/2008/Fall/Editors_Comments.htm
http://www.iste.org/Content/NavigationMenu/Membership/SIGs/SIGCS_Computer_Science_/JCTJournalforComputingTeachers/PastIssues/2009/Spring/JCT_Editorial_Board.htm
13. Editorial Board (2007-2011) of: *International Journal of Academic Research (IJAR)*
14. Member of the Executive Peer-Reviewers of the *Journal of Educational Technology & Society (SCI, SSCI)*
15. Member of the Reviewers’ Board of: ‘*Computers & Education*’ (Impact factor: 2.180, according to Thomson Scientific 2008 Journal Citations Report, indexed in SSCI, SCI).
16. Member of the Reviewers’ Board of: ‘*Education and Information Technologies*’. International Journal (The official journal of IFIP).
17. Technical Program Committee member of the 7th International Conference on Information Technology in Education (CITE 2016) that has been held from February 28 to March 1, 2016 in Beijing, China.
18. Scientific Board of: ‘*8th European Conference on Games Based Learning (ECGBL-2014)*’ which is being Hosted by Research and Training Center for Culture and Computer Science (FKI) University of Applied Sciences HTW Berlin, Germany on the 9-10 October 2014.
19. Organizer and chair of the mini-track ‘Educational Card-Game Based Learning’ ‘*8th European Conference on Games Based Learning (ECGBL-2014)*’ which is being Hosted by Research and Training Center for Culture and Computer Science (FKI) University of Applied Sciences HTW Berlin, Germany on the 9-10 October 2014.
20. Program Committee of: International Conference on ‘CULTURE AND COMPUTER SCIENCE’ . Organized by Alcatel Lucent Stiftung für Kommunikationsforschung, Bode Museum Berlin and INKA Research Group, HTW University of Applied Sciences Berlin.
21. Program Committee of: International conference “Creativity and Intelligent Technologies &Data Science”, Volgograd State Technical University, 15-17 September 2015.

22. Scientific Board of: *'International Conference on Intelligent Networking and Collaborative Systems'* (INCoS). Starting 2009- up to now.
23. Program committee of *'International Conference on Intelligent Networking and Collaborative Systems'* (INCoS 2912): Methodology, Analysis and Sustainability of Intelligent Networking and Collaborative Systems.
24. Scientific Board of: *Interdisciplinary Engineering Design Education Conference (IEDEC)* Starting 2011- up to now.
25. Scientific Board of: IEEE International Conference on Advanced Learning Technologies (ICALT). Starting 2008- up to now.
26. Program committee of: *Workshop CD4TEL 2011 ~V Computational Design for Technology Enhanced Learning* (<http://elearn.pri.univie.ac.at/cd4tel/>), 2011.
27. Program committee of: International Conference on Technology for Education (T4E). Starting 2011-up to now: <http://tfore.iitm.ac.in/>
28. Program committee of: *International Conference on Computer Supported Education* (CSEDU). Starting 2009- up to now.
29. Program committee of: *Conference on Information Technology in Education* (CITE). Starting 2014.
30. Scientific Board of: *E-Learn - World Conference on E-Learning in Corporate, Government, Healthcare & Higher Education*, AACE. <http://www.aace.org/conf/elearn/committees/> Starting 2009- up to now.
31. Scientific Board of: IADIS *International Conference Cognition and Exploratory Learning in Digital Age* (CELDA 2005): 2005 - 2008.
32. Scientific Board of: *International Conference on Multimedia and ICT in Education* (m-ICTE). Starting 2009- up to now.
33. Program Committee of: *1st International Workshop on Creative Collaboration through Supportive Technologies in Education - CCSTED 2012 at The 11th International Conference on Web-based Learning, ICWL 2012, Sinaia, Romania.*
34. *Fifth Mediterranean Conference on Mathematics Education*. Organization: University of the Aegean, Dept of Education and University of Cyprus, Dept of Education, Rhodes, April, 13, 2007.
35. Scientific Board and organizing committee of SALL2010 (Social applications for Lifelong Learning 2010), 4-5, November, 2010, Patras, Greece.
36. Member of the Reviewers' Board of *'LAMS and Learning Design 2010'* Conference.

37. Board of reviewers of scientific book '*Collaborative and Distributed E-Research: Innovations in Technologies, Strategies and Applications*'. Edited by Angel Juan, Thanasis Daradoumis, Meritxell Roca, Scott Grasman and Javier Faulin, IGI (2011).
38. Member of the Reviewers' Board of '*4th World Conference of Educational Sciences, 2011*', 02-02/2012, Barcelona, Spain.
39. Scientific committee of the workshop called "*1st International Workshop on Creative Collaboration through Supportive Technologies in Actual Education*", under the 11th International Conference on Web-based Learning - ICWL 2012 - September 2-4, Sinaia, Romania (<http://www.hkws.org/conference/icwl2012/>)
40. Scientific Committee of Greek Ministry of Education for teaching Informatics in Secondary and Primary Education.
41. Scientific Committee of *Human Computer Interaction 2001 Conference*. University of Patras, Dept. of Electrical and Computer Engineering.
42. Scientific Committee of Pan-Hellenic Conference with International Participation '*Didactics of Computer Science and ICT in Education*'. Starting 2004- up to now.
43. Scientific Committee of Pan-Hellenic Conference with International Participation '*Informatics and Education*'. Starting 2004-up to now.
44. Scientific Committee of '*Scientific Meeting for Education: Thoughts and Innovations*'. Department of Education, Patras University, Greece and Department of Secondary and Primary Education of Western Greek, January, 2004.
45. Scientific Committee of Pan-Hellenic Conference on '*Exploiting ICT in Primary Education*'. (Scientific association of Primary level education teachers for ICT in Education). 2004-2006.
46. Scientific Committee of Pan-Hellenic Conference (with International Participation) on '*Mathematics Education*' (Greek Association of Researchers in Mathematics Education). 2005-2007 and Reviewer 2005-2009.
47. Scientific Committee of *Pan-Hellenic Conference for teachers 'Exploiting ITC in Educational Practices'*. 2007-2009.
48. Scientific Committee of the 1st Pan-Hellenic Conference with International Participation on "*Free and Open Source Software in Education*". Chania, Crete, 2010
49. Scientific Committee of *2nd Pan-Hellenic Conference on 'Integration of ICT in Educational Practices'* University of Patras, Department of Primary Education, April, 2011.
50. Scientific Committee of *3rd Pan-Hellenic Conference on 'Integration of ICT in Educational Practices'*. University of Pireus, Department of Digital Systems, 10-12, May, 2013 (<http://www.ask4research.info/etpe2013/>).

5.2. Member of the 7-member examination committee for Professor

1. Substitute of the 7-member evaluation committee for filling the position of associate Professor entitled «ICT in Education-didactics of Mathematics» in the Department of Pre-Primary Education, University of the Aegean, Greece.
2. Substitute of the 7-member evaluation committee for filling the position of associate Professor entitled «Pedagogy with an emphasis on Computers and multimedia in education» in the Department of Primary Education, Aristotle University of Thessaloniki, Greece, (number 420/3-2-2017 document of dean of School of Pedagogy of Aristotle University of Thessaloniki).
3. Substitute of the 7-member evaluation committee for filling the position of associate Professor entitled «Multimedia, learning technologies, mathematics » in the Department of Informatics, Aristotle University of Thessaloniki, Greece.

5.3. Direction of PhD, master and undergraduate Dissertations

PhD Dissertations under realisation:

1. Psomos, P. *Design, implementation and evaluation of a Multi-representational Collaborative, Digital Story Telling Educational Environment*. PhD Dissertation: University of the Aegean, Department of Cultural Technology and Communications, Mytilene, Greece. Expected date of completion: 2018.
2. Berdousis J. *'Design, Implementation and Evaluation of a Model for investigation and transformation Computing teachers' beliefs regarding gender issues in the Computing classroom'*. PhD Dissertation: University of the Aegean, Department of Cultural Technology and Communications, Mytilene, Greece. Expected date of completion: 2018.
3. Goussiou A. *Design, implementation and evaluation of a card-game platform for card-game design and implementation by non Computing majors'*. PhD Dissertation: University of the Aegean, Department of Cultural Technology and Communications, Mytilene, Greece. Expected date of completion: 2018.
4. Kakavas P. *Design, implementation and evaluation of a model for the acquisition of computational thinking skills through digital storytelling'*. PhD Dissertation: University

of the Aegean, Department of Cultural Technology and Communications, Mytilene, Greece. Expected date of completion: 2020.

Member of the 3-member PhD examination committees:

5. Feidakis, M. (2013). Title: '*A Computational Model to Embed Emotion Awareness into e-Learning Environments*', Department of Cultural Technology and Communications, University of the Aegean, Mytilene, Greece. (date of defence: 20/10/2013).
6. Savidou, A. Title: «Digital storytelling as a teaching tool for health education by primary level education pupils, University of Thessaly, Dept of Physical and Sports Education (strated: December 2014)
7. Siakavaras I. Title: «Learning through motion: Design, implementation and evaluation of a digital mobile game for the learning of basic aspects of Informatics University of Thessaly, Dept of Physical and Sports Education (started: February 2015)

Member of the final (7-member) PhD examination committees:

8. Αθανασία Μπαλωμένου (2017). Title: *Construction of mathematical concepts exploiting computational tools - the case of inequality*. Dept of Educational Sciences in pre-primary education, School of Humanities and social Sciences, University of Patras, Greece (date of defence: 15/02/2017).
9. Alexandra Gasparinatou (2011). Title: '*A web-based intellingent environment for text comprehension through online learning and its use in Computer Science Education*'. Dept of Computer Science and Telecommunications, National and Kapodistrian University of Athens, Greece. (date of defence: 05/07/2011).
10. Stefanos Ziovas (2011). Title: «*CRICOS: An educational environment to support learning communities using social software and its use in Computer Science Education*». Dept of Computer Science and Telecommunications, National and Kapodistrian University of Athens, Greece. (date of defence: 05/07/2011).
11. Panagiotis Mplitsas (2012). Title: '*A semantic data base of Computing concepts: A cognitive tool for learning and assessment*'. Inter-University program of graduate studies:

Basic and Applied Learning Science”. National and Kapodistrian University of Athens, Greece. (date of defence: 22/03/2012).

Master Dissertations:

1. Zikouli, K. ‘*LECGO: A multi-representational environment for the learning of programming and C*’. University of Patras, Dept of Computer Engineering and Informatics. (Completed). Results: **1 CD and 3 publications** (S25, S26 and C3 presented in the following sections: 7.4, and 7.5, sections). Co-advising with Professors J. Garofalakis and D. Christodoulakis.
2. Balomenou, A.: ‘*Area and perimeter of equivalent triangles in the context of Cabri-Geometry II*’. University of Patras, Dept of Mathematics. (Completed). Results: 4 publications ((J9, C5, S19 and S38; presented in the following sections: 7.2, 7.4, and 7.5, sections). Co-advising with Professors P. Pintelas and C. Zagouras.
3. Kalyva, G.: ‘*Teaching approaches in Computing*’. University of Patras, Dept of Computer Engineering and Informatics. (Completed). Co-advising with Professor G.Alexiou.
4. Albadi Agathi (2014). ‘*Volunteering information as a medium for geography literacy*’. University of the Aegean, Dept of Geography, School of Social Sciences. (Completed). (Member of the 3-member master thesis examination committee).
5. Livardas Charilaos (2014). *Privacy and security issues in Learning Management Systems*. Dept of Cultural Technology and Communications, University of the Aegean, Greece (Completed). (Member of the 3-member master thesis examination committee).
6. Zazia Ioanna (2014). *Using cloud computing technics in online education*. Dept of Cultural Technology and Communications, University of the Aegean, Greece (Completed). (Member of the 3-member master thesis examination committee).
7. Zacharopoulou Georgia (2014). *Once upon the time: the art of storytelling through an educational application based on a classic storytelling approach*. Dept of Cultural Technology and Communications, University of the Aegean, Greece (Completed). (Member of the 3-member master thesis examination committee).
8. Anastasiou-Sigiorgi, Myrsini (2014). *An animation film based on a popular myth as an intro in a multimedia game for adolescents*. Dept of Cultural Technology and

- Communications, University of the Aegean, Greece (Completed). (Member of the 3-member master thesis examination committee).
9. Sarantou Helen (2014). *An interactive application about the trip of Grand Alexander for 4 grade pupils*. Dept of Cultural Technology and Communications, University of the Aegean, Greece (Completed). (co-advisor)
 10. Katerina Karagouni (2015). ‘A interactive multimedia application to support information literacy’ (*Διαδραστική πολυμεσική εφαρμογή για την προώθηση της πληροφοριακής παιδείας*) Dept of Cultural Technology and Communications, University of the Aegean, Greece (Completed). (co-advisor)
 11. Moraiti Prokopia (2015). ‘Design, Implementation and Evaluation of digital stories from the Greek Mythology’ (*Σχεδίαση Υλοποίηση και Αξιολόγηση Ψηφιακών αφηγήσεων από την Ελληνική Μυθολογία*). Dept of Cultural Technology and Communications, University of the Aegean, Greece (Completed). (advisor).
 12. Tsakiroglou George A. (2015). Mobile Technologies for the assesment of students’ learning about Computer Science concepts (*Κινητές τεχνολογίες για την αξιολόγηση της μάθησης εννοιών Πληροφορικής*). Dept of Cultural Technology and Communications, University of the Aegean, Greece (Completed). (Member of the 3-member master thesis examination committee).
 13. Kossyfidou Georgia (2015). Adigital story for the Eolic column capital (*Μια ψηφιακή αφήγηση για το Αιολικό κιονόκρανο*). Dept of Cultural Technology and Communications, University of the Aegean, Greece (Completed). (Member of the 3-member master thesis examination committee).

Under-graduate Dissertations:

1. Tsagala, E: ‘*Gender differences in Computer Science*’. University of Patras, Dept of Computer Engineering and Informatics. (Completed). Results: **6 publications** (J12, J13, B4, C9, C10 and S34 presented in the following sections: 7.2, 7.3.2, 7.4, and 7.5, sections). Co-advising with Professor G. Alexiou.
2. Pomonis, J: “*Educational software for the learning of geometrical concepts*’. University of Patras, Dept of Computer Engineering and Informatics. (Completed). Results: **1 CD and 1 publication** (C8 presented in the following section: 7.4, section). Co-advising with Professor J. Garofalakis.

3. Kalyva, G: '*Computing teachers' conceptions about teaching and learning of Computing and their relationship to their real teaching practices*'. University of Patras, Dept of Computer Engineering and Informatics. (Completed). Results: **3 publications** (C15, C16 and S37 presented in the following sections: 7.4, and 7.5, sections). Co-advising with Professor G. Alexiou.
4. Kripotos, G: '*A learning environment for the learning of programming and C*'. University of Patras, Dept of Computer Engineering and Informatics. (Completed). Results: **1 publication** (C36 presented in the following section: 7.4, section). Co-advising with Professor G. Alexiou.
5. Asimakopoulos, D: '*Computing curricula in secondary education*'. University of Patras, Dept of Computer Engineering and Informatics. (Completed). Co-advising with Professor T. Papatheodorou.
6. Mpimpas, C: '*Computing curricula in primary education*'. University of Patras, Dept of Computer Engineering and Informatics. (Completed). Results: **3 publications** (C24, C26 and S37 presented in the following sections: 7.4, and 7.5, sections). Co-advising with Professor T. Papatheodorou.
7. Adamopoulou, L: '*Prospective Computer Science and Engineering conceptions about the concept of hierarchical design*'. University of Patras, Dept of Computer Engineering and Informatics. (Completed). Results: **1 publication** (C31 presented in the following section: 7.4, section). Co-advising with Professor G. Alexiou.
8. Siempos, C. '*Collaborative learning in Web-based learning environments*'. University of Patras, Dept of Computer Engineering and Informatics. (Completed). Results: **8 publications** (C44, C46, C52, B8, B10, S48, S49 and S50 presented in the following sections: 7.3.2, 7.4, and 7.5, sections). Co-advising with Professor G. Alexiou.

6. DESIGN IMPLEMENTATION AND EVALUATION OF DIGITAL LEARNING ENVIRONMENTS

1. **The C.AR.ME. microworld:** Kordaki, M. and Potari, D. (1998). An e-learning environment for the conservation of area and its measurement. Presented in paper J2 (following section: 7.2 section).

2. **L.E.C.G.O:** Kordaki, M. (2010), Kordaki, M. (2007), Zikouli, K., Kordaki, M. & Houstis, E. (2003). An e-learning environment for basic aspects of programming and C in the context of drawing using geometrical objects. Presented in papers J19, C6 and C34 (following sections: 7.2 and 7.4, sections).
3. **Bubble sort:** Vlachogiannis, G., Kekatos, V., Miatides, M., Misedakis, J., Kordaki, M. and Houstis, E. (2001). A multiple Representational environment for the learning of the ‘Bubble sort’ algorithm. Presented in paper S13 (following section: 7.5 section).
4. **Basic algorithmic structures:** Tsonis, G., Katis, A., Palianopoulos, J. And Παλιανόπουλος I. & Kordaki, M. (2002). A multiple Representational environment for the learning of basic algorithmic structures by beginners. Presented in paper S15 (following section: 7.5, section).
5. **Files and Peripheral storage Devices:** Venakis P., Giannakopoulos J., Pirli, M. and Kordaki, M. (2002). A Web-based multiple Representational environment for the learning of files and peripheral storage media. Presented in paper S17 (following section: 7.5, section).
6. **VOLUME: A Computer Microworld for the Learning of the Concept of Volume.** Kordaki, M. and Pomonis, T. (2005). Presented in paper C8 (following section: 7.4 section).
7. **Sorting Algorithms:** Kordaki, M. , Miatides, M. and **Kapsampelis, G.** (2005). A multi-Representational Environment for the Learning of Sorting Algorithms. Presented in papers J14, C13 (following sections: 7.2 and 7.4 sections).
8. **A web-based learning environment for the learning of mathematical concepts by Primary level education pupils:** Greek National Education Institute. Scientific co-ordinator.
9. **K-12 learning activities in the context of Cabri-Geometry II: A portal.** Presented in papers S23, S31, S32, and S33 (following section: 7.5, section).
10. **A microworld for the Learning of Binary Representations by Primary Level Education Pupils:** Kordaki, M., Stergios, G. and Tegos, C. (2006). Presented in paper C17 (following section: 7.4, section).
11. **PAP: A microworld for the Learning of parallel processing by beginners.** Solos, J. and Kordaki, M. (2006). Presented in papers S36 and C30 (following sections: 7.5 and 7.4 sections).
12. **A Computer Card-Game for the Learning of the Binary System by Primary Level Education Pupils:** Kordaki, M. (2010), Kapros, H., Sikiniotis, S. and Kordaki, M. (2007). Presented in papers J22 and C35 (following sections: 7.2 and 7.4, sections).
13. **A Drawing Environment for the Beginners’ Learning of Programming and C.** Kripotos, G. and Kordaki, M. (2008). Presented in paper C36 (following section: 7.4, section).

- 14. Metaphor-Based Educational Software for Beginners' Learning of Operating Systems.** Kordaki, M., Strimpakos, G., Charalampides, Z. and T. Daradoumis (2008). Presented in paper C37 (following section: 7.4 section).
- 15. Super Mario: a collaborative game for the learning of variables in programming.** Christos Theodorou and Maria Kordaki (2010). Presented in paper J20 (following section: 7.2, section).
- 16. A Computer Game for an Information Technology Class.** Couseiro, M-R., Veloso, A., Papastergiou, M. and Kordaki, M. (2010) and Couceiro, R-M., Papastergiou, M., Kordaki, M., Veloso, A-I. (2011). Presented in papers J27 and C50 (following sections: 7.2 and 7.4, sections).
- 17. Virtual Student's Bar: Educational Software for the Novices' Learning of Iteration Algorithmic Structures.** Kordaki, M. and Kalavrouziotis, V. (2011). Presented in paper C56 (following section: 7.4, section).
- 18. Computer Championship: An Educational Computer Card-game for the learning of Computer Literacy issues by non Computer under-graduates.** Kordaki, M. Papastergiou, vM. and Psomos, P. (2014, accepted). Presented in paper J30 (following section: 7.2 section).
http://192.185.154.249/~aepp/Computer_Knowledge_Championship/Computer_Knowledge_Championship.html
- 19. An intelligent concept mapping tool for the diagnosis and treatment of students' misconceptions.** Kordaki, M. and Psomos, P. Presented in paper C64 (following section: 7.4, section). <http://www.digital-storytelling.gr>
- 20. An adaptive educational digital storytelling environment focusing on students' misconceptions.** Kordaki, M. and Psomos, P. (2014). Presented in paper C65 (following section: 7.4, section). <http://www.digital-storytelling.gr>

7. PUBLICATIONS

In the following Table some quantitative elements about my scientific publications are provided. Next, more information regarding these publications is presented.

Scientific publications	Journals	Books	Book chapters	International Conferences	National conferences	Total
M.Kordaki: 1st name	26	12	10	58	37	143
M.Kordaki: single author	14	8	4	16	17	59

Till my election as assistant Professor	13	14	4	31	47	109
Till my submission to be elected as associate Professor	29	14	11	66	57	177
Total	38	18	11	88	62	217

7.1. DISSERTATIONS (in Greek)

- 1) Kordaki, M. (1999). '*The concept of conservation of area and its measurement through the design, implementation and evaluation of educational software*'. Unpublished Ph.D. Doctoral dissertation, University of Patras, dept. of Primary education, Patras Greece, May, 1999.
- 2) Kordaki, M. (1995). '*The concept of area and its measurement in a cultural learning context*'. Unpublished Masters' dissertation, University of Patras, dept. of Primary education, Patras Greece, May, 1995.
- 3) Kordaki, M.(1987). '*Simulation of a passive solar house*'. Engineering dissertation, University of Patras, school of engineering, dept. of civil engineering, Patras Greece, May, 1987.

7.2a. PAPERS IN REFEREED INTERNATIONAL JOURNALS

- J37) Kordaki, M. and Goussiou, A. (2017). Digital Card Games in Education: a ten-year systematic review. *Computers and Education*, [Volume 109](#), June 2017, pp. 122–161, <http://dx.doi.org/10.1016/j.compedu.2017.02.011>, ISSN: 0360-1315, (Social and Science Citation Index, 5-year Impact factor: 3.305).
- J36) Kordaki, M. and Goussiou, A. (2016). Computer Card Games in Computer Science Education: a 10-year review. *Educational Technology and Society*, 19 (4), 11–21 (Social

Science Citation Index, 5-year Impact factor: 1,376).

- J35) Berdousis, J. and Kordaki, M. (2016; accepted). Computing and STEM in Greek Tertiary education: Gender representation of faculty members during the decade 2003-2013. *Gender and Education*. (Social Science Citation Index, 5-year Impact factor: 0.841). DOI: 10.1080/09540253.2016.1156653. URL: <http://dx.doi.org/10.1080/09540253.2016.1156653> .
- J34) Kordaki, M. (2016). A 7-step modeling methodology for the design of educational constructivist computer card games: results from an empirical study. *Recent Patents on Computer Science*, 9(2), pp. 114-123. DOI: 10.2174/2213275909666151110202800
- J33) Kordaki, M. and Gousiou, A. (2015). Digital Storytelling for Food Safety and Nutrition Education. *Journal of 'Professional Studies: Theory and Practice'*, 1(16), 72-79.
- J32) Kordaki, M. and Gousiou, A. (2015). Card Game Based Learning in Food Safety and Nutrition Education. *Journal of 'Professional Studies: Theory and Practice'*, 1(16), 64-71.
- J31) Kordaki, M., Papastergiou, M. & Psomos, P. (2016). Student perceptions in the design of a computer card game for learning computer literacy issues: A case study. *Education and Information Technologies*, 21 (4), pp. 837–862. DOI: 10.1007/s10639-014-9356-2. (The official journal of IFIP; ISSN: 1360-2357), (indexed in SCImago Journal Rank, SJR: 0.387, Impact factor (SNIP): 0.689).
- J30) Kordaki, M. and Berdousis, J. (2015). Computing and STEM in Greece: Gender representation of students and teachers during the decade 2002/2012. *Education and Information Technology*, pp. 1-24, DOI: 10.1007/s10639-015-9432-2. (The official journal of IFIP; ISSN: 1360-2357), (indexed in SCImago Journal Rank, SJR: 0.387, Impact factor (SNIP): 0.689).
- J29) Kordaki, M. (2015). The challenge of multiple perspectives: Multiple solution tasks for students incorporating diverse tools and representation systems. *Technology, Pedagogy and Education*, 24:4, 493-512, DOI: 10.1080/1475939X.2014.919346, ISSN: 1475-939X, (Social Citation Index, Impact factor: 0.829).URL: <http://www.tandfonline.com/doi/pdf/10.1080/1475939X.2014.919346>

Till my submission to be elected as associate Professor

- J28) Kordaki, M. (2013). High School Computing teachers' beliefs and practices: a case study. *Computers and Education*, pp. 141-152,
DOI:10.1016/j.compedu.2013.04.020<http://authors.elsevier.com/sd/article/S0360131513001139> ISSN: 0360-1315, (Social and Science Citation Index, 5-year Impact factor: 3.305).
- J27) Couceiro, R-M., Papastergiou, M., Kordaki, M., & Veloso, A-I. (2013). Design and evaluation of a computer game for the learning of Information and Communication Technologies (ICT) concepts by physical education and sport science students. *Education and Information Technologies*. Volume 18, Issue 3, pp. 531-554. (The official journal of IFIP; ISSN: 1360-2357), (indexed in SCImago Journal Rank, SJR: 0.387, Impact factor (SNIP): 0.689).
- J26) Psomos, P. & Kordaki, M. (2012). Analysis of Educational Digital Storytelling Software using the "Dimension Star" Model. *International Journal of Knowledge Society Research (IJKSR)*, 3(4), 22-32. (IGI Global, DOI: 10.4018/jksr.2012100103).
- J25) Kordaki, M. (2011). Adopting the role of online teacher as a researcher and model builder of learners' needs to approach time as a context dependent factor within networking settings. *eLearn Center Research Paper Series: Intellingent networking: New Opportunities for Effective Time Management, eLC Research Paper Series, 3, pp. 06-16*, eLearn Center of Universitat Oberta de Catalunya: <http://elcrps.uoc.edu/ojs/index.php/elcrps/index>
- J24) Kordaki, M. (2011). A computer card game for the learning of basic aspects of the binary system in primary education: design and pilot evaluation. *Education and Information Technologies*. (The official journal of IFIP; ISSN: 1360-2357), Volume 16, Issue 4, pp. 395-421. <http://www.springerlink.com/openurl.asp?genre=article&id=doi:10.1007/s10639-010-9136-6> (indexed in SCImago Journal Rank, SJR: 0.387, Impact factor (SNIP): 0.689).
- J23) Papadakis, S., Kordaki, M. and Ghiglione, E. (2010). LAMS and Q&A CS-Wizard through the lens of Computing Greek teachers: a pilot evaluation study. In J. Dalziel, C. Alexander, J.

Krajka and R. Kiely (Ed.) Special issue on 'LAMS and Learning Design', *Journal of Teaching English with Technology* (TEwT), pp. 159-175 (ISSN 1642-1027, Index Copernicus).

J22) Kordaki, M. (2010). The role of context free collaboration design patterns in learning design within LAMS: lessons learned from an empirical study. In J. Dalziel, C. Alexander, J. Krajka and R. Kiely (Ed.) Special issue on 'LAMS and Learning Design', *Journal of Teaching English with Technology* (TEwT), pp. 188-203, (ISSN 1642-1027, Index Copernicus).

J21) Kordaki, M. and Agelidou, E. (2010). A learning design-based environment for online collaborative digital story telling: an example for environmental education. *The International Journal of Learning*, Volume 17, Issue 5, pp.95-106. (Applied Social Sciences Index and Abstracts)

J20) Theodorou, C. and Kordaki, M. (2010). Super Mario: a collaborative game for the learning of variables in programming. *International Journal of Academic Research*, Volume 2, Issue 4. July 30, 2010, pp. 111-118, (ISSN: 2075-4124).

J19) Kordaki, M. (2010). Learning Design for Collaborative Courses in Mathematics Education: Integrating Dynamic Mathematics Systems within Learning Activity Management Systems. *Journal of Science and Arts*, No. 1 (12), pp. 5-14, eISSN 2068-3049, ISSN 1844-9581 (the journal is classified as a B+ type journal: second to ISI indexed journals, Indexed in many databases such as Index Copernicus, IC= 5,16).

J18) Kordaki, M. (2010). A drawing and multi-representational computer environment for beginners' learning of programming using C: Design and pilot formative evaluation. *Computers and Education*, Vol. 54(1), pp. 69-87. doi:10.1016/j.compedu.2009.07.012. ISSN: 0360-1315, (Social and Science Citation Index, 5-year Impact factor: 3.305).

J17) Kordaki, M. (2009). Learning within dynamic geometry systems: students' voices. In *Educația 21*, no54, Special Volume: Virtual Instruments and tools in Sciences Education: Experiences and Perspectives, pp. 99-106 (BDI: Fachportal Paedagogik, Germania).

J16) Kordaki, M. (2009). Emphasizing Multiple Representation Systems for the Design of Learning Activities within Dynamic Geometry Systems. In *Educația 21*, no54, Special

Volume: Virtual Instruments and tools in Sciences Education: Experiences and Perspectives. pp. 79-86 (*BDI: Fachportal Paedagogik, Germania*).

J15) Balomenou, A. & Kordaki, M. (2009). Multiple Solution Tasks within Dynamic Geometry Systems. In *Educația 21*, no54, Special Volume: Virtual Instruments and tools in Sciences Education: Experiences and Perspectives, pp. 71-78 (*BDI: Fachportal Paedagogik, Germania*).

J14) Kordaki, M. (2009). Diverse Types of Learning Activities Designed by Mathematics Teachers within a Virtual Community Collaborative Space for Science Education. *Scientific Bulletin for the Electrical Engineering Faculty*. (Indexed in Index Copernicus, IC= 3,61; ISSN 1843-6188).

Till my election as assistant Professor

J13) Kordaki, M. Miatidis, M. and Kapsampelis, G. (2008). A computer environment for the learning of sorting algorithms: design and pilot evaluation. *Computers and Education*, Vol. 51(2), pp. 708-723. doi:10.1016/j.compedu.2007.07.006. ISSN: 0360-1315, (Social and Science Citation Index, 5-year Impact factor: 3.305).

J12) Tsagala, E. and Kordaki, M. (2009). Computer Science and Engineering Students Addressing Critical Issues for Gender Differences in Computing: a Case Study. *Themes in Science and Technology Education*, Vol 1(2), pp.91-118.

J11) Tsagala, E. and Kordaki, M. (2007). Critical Factors that Influence Students' Decisions to Study Computer Science: Gender Differences. *Education and Information Technologies*. Vol. 12 (4), pp. 281-295. (The official journal of IFIP) ISSN: 1360-2357. Online First DOI: 10.1007/s10639-006-9026-0. (indexed in SCImago Journal Rank, SJR: 0.387, Impact factor (SNIP): 0.689).

J10) Ilias, A. and Kordaki, M. (2006). Undergraduate Studies in Computer Science and Engineering: Gender Issues. *ACM Special Interest Group for Computer Science Education Bulletin, Inroads*. Vol. 8 (2), pp.81-85.

- J9) Hlapanis G., Kordaki, M. and Dimitrakopoulou, A. (2006). Successful e-Courses: the role of Synchronous Communication and e-Moderation via Chat. Special issue on the theme “Synchronous methods and applications in e-learning”. *Campus-Wide Information Systems – The international journal of information and learning technology* (ISSN 1065-0741), Vol. 23 (3), pp. 171-181. (indexed in SCImago Journal Rank, SJR: 0.238, Impact factor (SNIP): 0.566).
- J8) Kordaki, M. & Balomenou, A. (2006). Challenging students to view the concept of area in triangles in a broader context: exploiting the tools of Cabri II. *International Journal of Computers for Mathematical Learning* pp. 1-36. (Editor: Seymour Papert). (indexed in SCImago Journal Rank, SJR: 0.186, Impact factor (SNIP): 0.815).
- J7) Kordaki, M. (2004). Challenging Prospective Computer Engineers to Design Educational Software by Engaging them in a Constructivist Learning Environment. *Education and Information Technologies*, 9(3), 239-253. (The official journal of IFIP). (indexed in SCImago Journal Rank, SJR: 0.387, Impact factor (SNIP): 0.689).
- J6) Kordaki, M. (2004). Pupils’ Choice of Computer Tools as affected by the Learning Context. *Journal for Interactive Learning Research*, 15(3), 235-255. (AACE). (indexed in SCImago Journal Rank, SJR: 0.033, Impact factor (SNIP): 0.9).
- J5) Kordaki, M. (2003). The effect of tools of a computer microworld on students’ strategies regarding the concept of conservation of area. *Educational Studies in Mathematics*, 52, 177-209. (indexed in SCImago Journal Rank, SJR: 0.762, Impact factor (SNIP): 1.323; SSCI THOMSON REUTERS, if: 0,765).
- J4) Kordaki, M. and Potari, D. (2002). The effect of tools of area measurement on students strategies : The case of a computer microworld. *International Journal of Computers for Mathematical Learning*, 7(1), 65-100. (Editor: Seymour Papert). (indexed in SCImago Journal Rank, SJR: 0.186, Impact factor (SNIP): 0.815).
- J3) Tselios, N., Avouris, N. and Kordaki, M. (2002). Student Task Modeling in Design and Evaluation of Open Problem-Solving Environments. *Education and Information*

Technologies, 7(1), 17-40. (The official journal of IFIP). (indexed in SCImago Journal Rank, SJR: 0.387, Impact factor (SNIP): 0.689).

J2) Kordaki, M. and Potari, D. (1998). A Learning Environment for the Conservation of Area and its Measurement : a computer microworld. *Computers & Education*, 31, 405-422, (Social and Science Citation Index, 5-year Impact factor: 3.305).

J1) Kordaki, M. and Potari, D. (1998). ‘Childrens’ approaches on area measurement through Different Contexts’. *Journal of Mathematical Behavior*, 17(3), 303-316. (indexed in SCImago Journal Rank, SJR: 0.417, Impact factor (SNIP): 0.912).

7.2b. PAPERS IN REFEREED NATIONAL JOURNALS

JG1) Berdousis J. and Kordaki, M., (2014). The distribution of Computing teachers in Greek Education in the decade 2003-2012: the gender dimension. *Themes of Science and Technology in Education*, 6(3), 117-135.

7.3. BOOKS AND CHAPTERS IN SCIENTIFIC BOOKS

7.3.1. Books (in Greek and in English)

1. Kordaki, M., (2001). ‘Activities using Cabri-Geometry II for pupils 15-18 years old’. Pupils’ book. Athens: Kastaniotis Eds.
2. Kordaki, M., (2001). ‘Activities using Cabri-Geometry II for pupils 12-15 years old’. Pupils’ book. Athens: Kastaniotis Eds.
3. Kordaki, M., (2001). ‘Activities using Cabri-Geometry II for pupils 12-15years old’. Teachers’ book. Athens: Kastaniotis Eds.
4. Kordaki, M., (2001). ‘Activities using Cabri-Geometry II for pupils 15-18 years old’. Teachers’ book Athens: Kastaniotis Eds.
5. Kordaki, M. (2001). *Teaching Geometry using Cabri-Geometry II*. Athens: Kastaniotis Eds.
6. Kordaki, M., (2000). ‘Computer Science Education’. Patras: University of Patras Eds.
This book is suggested as a student text book in: (a) Dept of Industrial Informatics, Technological Educational Institute of Kavala, Greece since 2005, (<http://de.teikav.edu.gr/dinfo/>) (b) Dept of Computer Applications in

Administration and Economy, Technological Educational Institute of Epirus, Mesolongi, Greece (2005-2009), and (c) Dept of Informatics and Telecommunications, Technological Educational Institute of Sparti (Kalamata), Greece (2007-2011).

7. Kordaki, M. (2002). *'Design and evaluation of educational software'*. Patras: University of Patras Eds.
8. Kordaki, M., (2002). *Web-based Learning Environments*. University notes. Patras, 2002.
9. Kordaki, M. , et al., (2001). *'Multimedia-Networks'* for 18 years-old pupils. Teachers' book (Greek Institute of Education)
10. Kordaki, M. , et al., (2001). *'Multimedia-Networks'* for 18 years-old pupils. Pupils' book. (Greek Institute of Education).
11. Kordaki, M. , et al., (2001). *'Multimedia-Networks'* for 18 years-old pupils. Labs' guide. (Greek Institute of Education).
12. Kordaki, M. , et al., (2001). *'Multimedia-Networks'* Pupils' note-book. (Greek Institute of Education).
13. Kordaki, M., et al., (2001). *Curriculum for the teaching and learning mathematics in Secondary level education in Greece*. (Greek Institute of Education).
14. Glava, A., Glava, C. and Kordaki, M. (2009). Guidelines for Best Practices in Educational Use of Virtual Instrumentation. In *Virtual Community Collaborating Space for science Education* (CD-ROM Edition).

Till my submission to be elected as associate Professor

15. Kordaki, M. and Manesis, N. (Editors of the Greek edition; 2016). *Nutrition Guide For Students*. Produced in the frame "Let's make it better! Raising the awareness of the triad nutrition-health-food safety in school education" Contract:2014-1-RO01-KA200-002931, Programme: Erasmus + Key action 2: Cooperation for innovation and exchange of good practices.
16. Kordaki, M. and Manesis, N. (Editors of the Greek edition; 2016). *Food Safety Guide For Students*. Produced in the frame "Let's make it better! Raising the awareness of the triad nutrition-health-food safety in school education". Contract:2014-1-RO01-KA200-002931, Programme: Erasmus + Key action 2: Cooperation for innovation and exchange of good practices.

17. Kordaki, M. and Manesis, N. (Editors of the Greek edition; 2016). *Good Practices Guideline For Food Science School Education*. Produced in the frame "Let's make it better! Raising the awareness of the triad nutrition-health-food safety in school education". Contract: 2014-1-RO01-KA200-002931, Programme: Erasmus + Key action 2: Cooperation for innovation and exchange of good practices.
18. Kordaki, M. Manesis, N. And Daradoumis, A (2017). *Technology supported, playful and structured collaborative learning*. Athens: GRIGORI.

7.3.2. Chapters in scientific books

- B11) Kordaki, M., Daradoumis, T., Frigidakis, D. and Grigoriadou, M. (2012). Adapting the Collaborative Strategy ‘Students Team Achievement Divisions’ in an Information Technology Work Place. In Daradoumis, T., Demetriadis, S.N., Xhafa, F. (Ed.), *Intelligent Adaptation and Personalization Techniques in Computer-Supported Collaborative Learning*, pp. 131-153. Berlin-Heidelberg: Springer-Verlag. [indexed in SCOPUS 2011 SJR = 0.029, 4th Quartile in ARTIFICIAL INTELLIGENCE area].
- B10) Kordaki, M., Gorghiu, G., Bizoi, M., and Glava, A. (2012). Collaboration within multinational learning communities: the case of the Virtual community collaborative Space for Sciences education European project. In Juan, A., Daradoumis, T., Roca, M., Grasman, S., Faulin, J. (Ed.), *Collaborative and Distributed E-Research: Innovations in Technologies, Strategies and Applications*, pp. 206-226. IGI-Global.
- B9) Kordaki, M. and Siempos, H. (2011). A Collaborative and Adaptive Design Pattern of the Jigsaw Method within Learning Design-Based E-learning Systems. In Daradoumis T., Caballe, S., Juan, A. and Xhafa, F. (Ed.), *Technology-Enhanced Systems and Adaptation Methods for Collaborative Learning Support, Studies in Computational Intelligence*, pp. 239-255. Berlin-Heidelberg: Springer-Verlag. [indexed in SCOPUS 2011 SJR = 0.029, 4th Quartile in ARTIFICIAL INTELLIGENCE area].
- B8) Daradoumis, T. and Kordaki, M. (2011). Employing Collaborative Learning Strategies and Tools for Engaging University Students in Collaborative Study and Writing. *Techniques for Fostering Collaboration in Online Learning Communities: Theoretical and Practical Perspectives*. Pozzi, F. and Persico, D. (Eds). IGI Global Publishing, Hershey,

Pennsylvania, USA. ISBN: 978-1-61692-898-8. January 2011, pp. 183-205.

- B7) Kordaki, M., Siempos, H. and Daradoumis, T. (2011). Collaborative learning design within open source e-learning systems: lessons learned from an empirical study. In G. Magoulas (Eds), *E-Infrastructures and Technologies for Lifelong Learning: Next Generation Environments*, pp. 212- 233. IDEA-Group Publishing.
- B6) Kordaki, M. and Daradoumis, T. (2009). Critical Thinking as a Framework for Structuring Synchronous and Asynchronous Communication within Learning Design-based E-learning Systems. In T., Daradoumis, S., Caballe, J.M., Marques and F., Xhafa, (Ed.), ‘Intelligent Collaborative e-Learning Systems and Applications’, *Studies in Computational Intelligence*, Berlin-Heidelberg: Springer-Verlag, Volume 246/2009, pp. 83-98 [ISSN: 1860-949X (Print) 1860-9503 (Online)], ISBN: 978-3-642-04000-9 (DOI: 10.1007/978-3-642-04001-6). [indexed in SCOPUS 2009 SJR = 0.027, 4th Quartile in ARTIFICIAL INTELLIGENCE area].
- B5) Kordaki, M. (2009). ‘MULTIPLES’: a challenging learning framework for the generation of multiple perspectives within e-collaboration settings. In T. Daradoumis, S. Caballe, J.-M. Marques and F. Xhafa (Eds) ‘Intelligent Collaborative e-Learning Systems and Applications’, *Studies in Computational Intelligence* Berlin-Heidelberg: Springer-Verlag, Volume 246/2009, pp. 37-51 [ISSN: 1860-949X (Print) 1860-9503 (Online)], ISBN: 978-3-642-04000-9 (DOI: 10.1007/978-3-642-04001-6). [indexed in SCOPUS 2009 SJR = 0.027, 4th Quartile in ARTIFICIAL INTELLIGENCE area].

Till my election as assistant Professor

- B4) Kordaki, M. & Tsagala, E. (2008). The role of family and school on students choices regarding undergraduate studies in Computer Science and Engineering: gender differences. In Drenoyanni, E., Seroglou, F and Tressou, E. (Ed), ‘Gender and Education: Maths, Science and Information and Communication Technologies’. Univerity of Macedonia Publications (pp.253-273), ISBN:978-960-7846-88-4. (in Greek)

B3) Kordaki, M. (2005). A Special Purpose E-Learning Environment: Background, Design and Evaluation. In Zongmin Ma (Ed.), *Web-Based Intelligent e-Learning Systems: Technologies and Applications*. Idea Group Publishing, pp. 348-375, (Peer Review).

B2) Kordaki, M. (2004). Learning geometrical concepts and students' inter- and intra-individual differences: The role of open computer learning environments. In A. Barkatsas (Ed) 'Maths in the Computer Era'. Kostogiannos, Publishers, pp. 227-246. (in Greek)

B1) Kordaki, M. (2003). Mathematics teachers' education in ICTE as an opportunity to build new teaching approaches based on modern theories of learning. In University of Macedonia (Eds.), 'Use of ICT in Education', pp. 330-339. (in Greek)

7.4. PUBLICATIONS IN PROCEEDINGS OF INTERNATIONAL CONFERENCES

C88) Kordaki, M. and Kakavas, P. (2017). Digital Storytelling as an effective framework for the development of computational thinking skills. In ...(Eds; IATED Academy) Proceedings of 9th International Conference on *Education and New Learning Technologies*, (*EDULEARN2017*; accepted), 3-5 July, 2017, Barcelona, Spain, pp..., ISSN: 978-84-697-3777-4.

C87) Kordaki, M. and Kakavas, P. (2017; accepted). Digital tools used for the development of computational thinking in primary education: A ten year systematic literature review. In ...(Eds; IATED Academy) Proceedings of 9th International Conference on *Education and New Learning Technologies*, (*EDULEARN2017*), 3-5 July, 2015, Barcelona, Spain, pp..., ISSN: 978-84-697-3777-4

C86) Kordaki, M. (2017). Diverse and novel types of digital card games which could be used for educational purposes. In INTED2017 Proceedings of *11th International Technology, Education and Development Conference (INTED 2017)*, 6-8 March 2017, Valencia, Spain, pp. 9958-9968, IATED Academy ISBN: 978-84-617-8491-2, ISSN: 2340-1079.

C85) Kordaki, M. (2017). Collaborative methodologies for the design of digital artifacts by the students. In INTED2017 Proceedings of *11th International Technology, Education and*

Development Conference (INTED 2017), 6-8 March 2017, Valencia, Spain, pp. 9969-9977, IATED Academy ISBN: 978-84-617-8491-2, ISSN: 2340-1079.

C84) Sipsa, P., Manesis, N. and Kordaki, M. (2016). Engineering teachers' opinions and attitudes about the use of ICT in teaching and learning. In T. A. Mikropoulos, A. Tsiara, Π. Chalki (Ed.), *Proceedings of 10th Pan-Hellenic and International Conference ICT in Education, ETPE*, 23-25 September, 2016, Ioannina, Greece, pp. 637-644, ISSN 2529-0916, ISBN 978-960-88359-8-6.

C83) Berdousis, I. and Kordaki, M. (2016). Gender representations in the Greek Vocational Informatics' School Books. In T. A. Mikropoulos, A. Tsiara, Π. Chalki (Ed.), *Proceedings of 8th Pan-Hellenic and International Conference 'Didactics of Informatics', ETPE*, 23-25 September, 2016, Ioannina, Greece. pp. 159-167, ISSN 2529-0908, ISBN 978-960-88359-9-3.

C82) Gousiou, A., & Kordaki, M. (2016). 'Health-Goal' - a digital card game for the learning of nutrition and food safety issues: design and pilot formative evaluation. In T. A. Mikropoulos, A. Tsiara, Π. Chalki (Ed.), *Proceedings of 10th Pan-Hellenic and International Conference ICT in Education, ETPE*, 23-25 September, 2016, Ioannina, Greece, pp. 293-301, ISSN 2529-0916, ISBN 978-960-88359-8-6.

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- C1) Kordaki, M. & Potari, D. (1998). 'L' etude-pilote de l' evaluation d' um microcosme qui se rapporte a la notion de la conservation de la surface. *Du 1er Colloque en Didactique des Mathematiques with international participation*, (pp. 280-288), Rethymnon, Grece, 10-11 April, 1998.

7.4. PUBLICATIONS IN PROCEEDINGS OF NATIONAL CONFERENCES (in Greek)

- S62) Kakava, I., Kordaki, M. and Manesis, N. (2017). Students' Collaborative Design of a Digital Presentation for the learning of concepts related to the "Microbial contamination of food". Proceedings of 5th Pan-Hellenic scientific conference '*Integration of ICT in educational practices*', Pedagogical Department of ASPAITE, 21-23 April, 2017.
- S63) Kakavas, P., Kordaki, M. and Manesis, N. (2017a). Students' collaborative construction of a digital story for the learning of Recommended Daily Intake of nutrients. Proceedings of 5th Pan-Hellenic scientific conference '*Integration of ICT in educational practices*', Pedagogical Department of ASPAITE, 21-23 April, 2017.
- S62) Kakavas, P., Kordaki, M. and Manesis, N. (2017b). Students' collaborative creation of a digital concept map for the learning about the adulteration of food. Proceedings of 5th Pan-Hellenic scientific conference '*Integration of ICT in educational practices*', Pedagogical Department of ASPAITE, 21-23 April, 2017.
- S61) Kakavas, K., Kordaki, M. and Manesis, N. (2017). Construction of a digital poster in a collaborative context. Proceedings of 5th Pan-Hellenic scientific conference '*Integration of ICT in educational practices*', Pedagogical Department of ASPAITE, 21-23 April, 2017.
- S60) Kordaki, M. and Vlachou, E., (2017). Collaborative construction of a game for the learning of the role of toxins in health. Proceedings of 5th Pan-Hellenic scientific conference '*Integration of ICT in educational practices*', Pedagogical Department of ASPAITE, 21-23 April, 2017.
- S59) Kordaki, M. (2017). Methodologies of collaborative construction of digital artifacts by the students. Proceedings of 5th Pan-Hellenic scientific conference '*Integration of ICT in educational practices*', Pedagogical Department of ASPAITE, 21-23 April, 2017.
- S58) Vlachou, E., Manesis, N., and Kordaki, M. (2016). «Health foods and... with stamp!». 3rd Pan-Hellenic Conference eTwinning «Exploiting ICT in collaborative school programs».

National authority supporting eTwinning, 25-27 November 2016, Patras, Greece.
<http://www.eventbrite.com/e/3-etwinning-registration-26697110777>

Till my submission to be elected as associate Professor

- S57) Berdousis, J. and Kordaki, M. (2014). Computing students in Greek Universities: a gendered view. 7th Pan-Hellenic Conference on '*Didactics of Computer Science*', Greek Society for Informatics and University of Crete, Dept. of Primary education, 20-22 April 2014, (pp. 93-102), Rethymnon, Greece.
- S56) Kordaki, M. and Psomos, P. (2012). Learning activities within Scratch: Perceptions of teachers, 8th Pan-Hellenic Conference with International Participation on Information and Communication Technologies in Education (HCICTE 2012), 28-30 September 2012, Volos, Greece.
- S55) Kordaki, M. and Psomos, P. (2012). A proposal for teaching programming through the creation of educational digital stories within Storytelling Alice. 6th Pan-Hellenic Conference on '*Didactics of Computer Science*', Greek Society for Informatics and University of West Macedonia, Dept. of Primary education, 20-22 April 2012, (pp. 93-102), Florina, Greece, ISBN: 978-960-89650-7-2.
- S54) Psomos, P. and Kordaki, M. (2011). Analysis of Educational Digital Storytelling Software of the last five years: Use of the “Dimension Star” Model., Conference on Informatics in Education 2011 (CIE2011), Dept of Informatics, Ionian University and the Dept of Informatics, University of Piraeus, (pp. 254-263) 8-9 October 2011, Piraeus, Greece., ISBN: 978-960-6759-78-9.
- S53) Psomos, P. and Kordaki, M. (2011). Analysis of educational digital storytelling environments: the use of the “Dimension Star” model. 8th Pan-Hellenic Conference on ‘The Digital School’. Scientific association of Primary level education teachers for ICT in Education. (pp. 1-9) 22-23 October 2011, Piraeus, Greece, ISBN: 978-960-99435-2-9.
- S52) Kordaki, M., and Siempos, H. (2010). Collaboration strategies for the learning of basic aspects of networks within FOSS/LAMS. *1st Pan-Hellenic Conference (with International*

Participation), *Free Open Source Software in education, 16-18 April, 2010, Chanea, Crete*, (in CD-ROM). Dept of Production Engineering and management, Technical University of Crete and Dept of School advisors of western Crete ISBN: 978-960-99262-0-1.

S51) Kordaki, M., and Siempos, H. (2010). Using the JIGSAW collaborative method for the learning of basic concepts of Programming. ‘5^o Pan-Hellenic Conference on Computer Science Education (with International Participation)’. National and Kapodistrian University of Athens, Dept. of Informatics and Telecommunications, 9-11 April 2010, pp. 41-50.

S50) Papadakis, S. & Kordaki, M., (2010). Supporting Computing teachers to form lesson plans towards the development of critical thinking skills within LAMS. ‘5^o Pan-Hellenic Conference on Computer Science Education (with International Participation)’. National and Kapodistrian University of Athens, Dept. of Informatics and Telecommunications, 9-11 April 2010, pp. 390-398.

S49) Kordaki, M., (2010). Playing and learning about binary encoding: a case study in elementary school. ‘5^o Pan-Hellenic Conference on Computer Science Education (with International Participation)’. National and Kapodistrian University of Athens, Dept. of Informatics and Telecommunications, 9-11 April 2010, pp. 323-332.

S48) Kordaki, M., Sikiniotis, S. & Kapros, H. (2010). A Computer game for the learning of basic aspects of the binary system. ‘5^o Pan-Hellenic Conference on Computer Science Education (with International Participation)’. National and Kapodistrian University of Athens, Dept. of Informatics and Telecommunications, 9-11 April 2010, pp. 350-355.

Till my election as assistant Professor

S47) Tsagala, E. and Kordaki, M. (2008). Women, under- and post-graduate studies and career in Informatics; empowering and disempowering issues. 4th Pan-Hellenic Conference on ‘Computer Science Education’, (pp. 395-404), Dept of Pre-primary Education, Patras University, 28-30 March 2008, ISBN: 978-960-6759-07-9.

S46) Kalyva, G. and Kordaki, M. (2008). Teachers views about fundamentals of Computer Science for 10-12 grades: relationship with their basic undergraduate studies. 4th Pan-Hellenic Conference

on 'Computer Science Education', (pp. 475-484), Dept of Pre-primary Education, Patras University, 28-30 March 2008, ISBN: 978-960-6759-07-9.

S45) Mastrogiannis, A. and Kordaki, M. (2007). Dynamic Geometry Systems and the concept of Symmetry in Primary schools. 4th Pan-Hellenic Conference on 'Exploiting ICT in Primary Education'. Scientific association of Primary level education teachers for ICT in Education. October, 2007.

S44) Mastrogiannis, A. and Kordaki, M. (2007). Symmetry: Primary level education pupils' conceptions. 2nd Pan-Hellenic Conference on Mathematics Education. Greek Association of Researchers in Mathematics Education (with International Participation). Demokriteion University of Thrace, Alexandroupolis, 23-25, November, 2007. pp. 358-367.

S43) Kordaki, M. and Mastrogiannis, A. (2007). Primary level education pupils and the concept of parallel processing in a game-based context. In 4th Pan-Hellenic Conference of teachers 'Exploiting ITC in Educational Practices' (pp. 305-312), Syros, Greece, May, 4-6, 2007, ISBN (SET): 978-960-89753-0-9.

S42) Kordaki, M., Gorghiu, G. (2007). VccSSe: A web-based, collaborative, interactive environment for the education of Sciences' teachers to integrate ICT in their teaching practices. In 4th Pan-Hellenic Conference of teachers 'Exploiting ITC in Educational Practices' (pp. 691-697), Syros, Greece, May, 4-6, 2007, ISBN (SET): 978-960-89753-0-9.

S41) Balomenou, A. and Kordaki, M. (2006). The role of 'drag mode' on students; strategies regarding area and perimeter in triangles. 6th Pan-Hellenic Conference 'ICT in Education: Summary and future' (with International Participation).. Thessaloniki, Greece, October, 5-8, 2006, pp. 507-514.

S40) Kalyva, G. and Kordaki, M. (2006). Teachers' conceptions about critical issues in teaching Computer Science and their relationship with gender differences. 6th Pan-Hellenic Conference 'ICT in Education: Summary and future' (with International Participation).. Thessaloniki, Greece, October, 5-8, 2006, pp. 813-820.

- S39) Solos, J. and Kordaki, M. (2006). An educational software for the learning the concept of parallel processing through sorting. *6th Pan-Hellenic Conference 'ICT in Education: Summary and future' (with International Participation)*. Thessaloniki, Greece, October, 5-8, 2006, pp. 909-914.
- S38) Kordaki, M. (2005). The learners' model in solving problems related to basic concepts of programming and C: the role of a multi-representational special purpose e-learning environment. *3rd Pan-Hellenic Conference on Computer Science Education (with International Participation)*. University of Peloponnesse, Dept. of Social and Educational Policies, Korinthos, October, 2005, (in CD-ROM).
- S37) Tsagala, E. and Kordaki, M. (2005). The role of Media on students' choices regarding undergraduate studies in Computer Science and Engineering: gender differences. *3rd Pan-Hellenic Conference on Computer Science Education (with International Participation)*. University of Peloponnesse, Dept. of Social and Educational Policies, Korinthos, October, 2005, (in CD-ROM).
- S36) Kordaki, M. (2005). Modeling in the design of learning activities for Thales theorem in the context of Cabri-Geometry II. *1st Pan-Hellenic Conference on Mathematics Education. Greek Association of Researchers in Mathematics Education (with International Participation)*. University of Athens Dept of Philosophy, Pedagogy and Psychology. Athens, Greece, December, 9-11, 2005. pp. 8-11.
- S35) Kordaki, M. and Kalogeras, D. (2005). Centre of Mathematics and Technology of Aitooakarnania (CMTA): Four different types of work sheets for the learning of Geometrical concept using technology: Design and Evaluation. *3rd Pan-Hellenic Conference of teachers 'Exploiting ITC in Educational Practices'*. Greek Ministry of Education, Syros, Greece, May 13-15, (in CD-ROM).
- S34) Kordaki, M. and Kalogeras, D. (2005). Centre of Mathematics and Technology of Aitooakarnania (CMTA): Design Principles for learning materials in the context of ICT. *3rd Pan-Hellenic Conference of teachers 'Exploiting ITC in Educational Practices'*. Greek Ministry of Education, Syros, Greece, May 13-15, (in CD-ROM).

- S33) Kordaki, M. (2004). Learning activities for teaching Mathematics in the Primary level of education: using educational software. 1st *Pan-Hellenic Conference on 'Exploiting ICT in Primary Education'*. Scientific association of Primary level education teachers for ICT in Education. October, 2004.
- S32) Kordaki, M. (2004). Acknowledging Gender Differences in Teaching Computer Science Concepts: The views of Prospective Computer Professionals. 4th *Pan-Hellenic Conference 'ICT in Education'(with International Participation)*.. Athens, Greece, September, 2004, pp. 532-534.
- S31) Tsonis, G. and Kordaki, M. (2004). The effect of special purpose educational software on students' views regarding with basic algorithmic structures. 4th *Pan-Hellenic Conference 'ICT in Education'(with International Participation)*. Athens, Greece , September, 2004, pp. 550-552.
- S30) Kordaki, M. (2004). Forming an e-community for Mathematics teachers: Critical points of e-moderation via chat in the context of the formation of an e-learning community. 4th *Pan-Hellenic Conference 'ICT in Education'(with International Participation)*.. Athens, Greece, September, 2004, pp. 440-442.
- S29) Zikouli, K. and Kordaki, M. (2004). 'Activity' as a basic structural element in the design of information learning materials for the learning of basic concepts of programming and C. 4th *Pan-Hellenic Conference 'ICT in Education'(with International Participation)*. Athens, Greece, September, 2004, pp. 153-162.
- S28) Zikouli, K. and Kordaki, M. (2004). Forming an evaluation context for the learning of basic concepts of programming and C through the use of educational software. 4th *Pan-Hellenic Conference 'ICT in Education'(with International Participation)*. Athens, Greece, September, 2004, pp. 598-606.
- S27) Christakoudis, Ch. and Kordaki, M. (2004). Fundamentals of Computer Science for 7-9 grades: views of teachers. 4th *Pan-Hellenic Conference 'ICT in Education'(with International Participation)*. Athens, Greece, September, 2004, pp. 198-206.

- S26) Kordaki, M. (2004). Supporting the role of Technology in teaching and learning Mathematics: Creating Centers of Maths and Technology. *Scientific Meeting for Education*. Patras, Greece, January 9-10, 2005. (in CD-ROM).
- S25) Gregoriadou, M., Gogoulou, A., Gouli, H., Dagdilelis, V., Komis, V., Kordaki, M., Mikropoulos, A., Bakogiannis, S., Papadopoulos, G., Politis, P., Sfikopoulos, Th., Jimoyannis, A. (2004). The context of ICT in the Greek Educational System: Critical issues. *2nd Pan-Hellenic Conference on Computer Science Education (with International Participation)*. University of Thessaly, Dept. of Primary Education, Volos, Greece, January, 16-17, 2004, pp. 39-47.
- S24) Kordaki, M. (2004). Educationl Technology and Computer Science Education in the Dept of Computer Engineering and Informatics at Patras University. *2nd Pan-Hellenic Conference on Computer Science Education (with International Participation)*. University of Thessaly, Dept. of Primary Education, Volos, Greece, January, 16-17, 2004, pp. 193-200.
- S23) Kordaki, M. (2004). Computer Science in Primary and Secondary level of Education: Critical Questions and Ideas. *2nd Pan-Hellenic Conference on Computer Science Education (with International Participation)*. University of Thessaly, Dept. of Primary Education, Volos, Greece, January, 16-17, 2004, pp.48-54.
- S22) Kordaki, M. and Balomenou, A. (2003). Students approaches in enclosing a class of equivalent triangles into a rectangle and studying their area and perimeter using the tools of Cabri-Geometry II . *6th Pan- Hellenic Conference 'Didactics of Mathematics and Informatics in Education' (with International Participation)*, Volos, Greece, October, 13-15, 2003.
- S21) Kordaki, M. & Laskaris, A. (2003). Evaluation of web-based learning environments. *2^o Panhellenic Conference in Distance Learning*, (pp. 464-474), Greek Open University, Patras, March 28-30, 2003, pp.464-474.
- S20) Venakis, P., Giannakopoulos, J., Pirli, M., & Kordaki, M. (2002). A multi-representational web-based environment for the learning of files and of peripheral storage

- devices. 3rd Panhellenic Conference with International Participation '*Informatics and Education*' (pp. 624-631) Rhodes, Greece, September, 2002.
- S19) Tsonis, G., Katis, A., Palianopoulos, J & Kordaki, M. (2002). A multi-representational environment for the learning of basic algorithmic structures by novices. 3rd Panhellenic Conference with International Participation '*Informatics and Education*' (pp. 259-266) Rhodes, Greece, September, 2002.
- S18) Kordaki, M. (2001). Special characteristics of Computer Science; effects on teaching and learning: views of teachers. 8th Panhellenic Conference on Informatics, (pp. 492 – 499), Nicosia, Cyprus, November, 2001.
- S17) Kordaki, M. & Komis, V. (2001). Learning activities in teaching and learning about Computers: views of teachers. 5th Panhellenic Conference with International Participation '*Didactics of Mathematics and Informatics in Education*' (pp. 382-388), Thessaloniki, Greece, October, 2001.
- S16) Avouris, N., Tselios, N., Maragoudakis, M., Facotakis, N. & Kordaki, M. (2001). Bayesian networks in automatic classification of pupils' problem-solving strategies. 5rd Panhellenic Conference with International Participation '*Didactics of Mathematics and Informatics in Education*' (pp. 494-499), Thessaloniki, Greece, October, 2001.
- S15) Vlachogiannis, G., Kekatos, V., Miatidis, M., Misedakis, J., Kordaki, M. & Houstis, E. (2001). A multi-representational environment for the learning of Bubble sort. Panhellenic Conference with International Participation '*New Technologies in Education and in Distance Learning*' (pp. 481-495) Rethymnon, Greece, June, 2001.
- S14) Kordaki, M. & Houstis, E. (2001). On the design of a web based environment for teachers' education in using Information Technologies. Panhellenic Conference with International Participation '*New Technologies in Education and in Distance Learning*' (pp. 159-175) Rethymnon, Greece, June, 2001.
- S13) Kordaki, M. (2001). Remedial education in mathematics; teaching approaches, curricula and learning differences: views of teachers. 5th Panhellenic Conference with International

Participation ‘*Didactics of Mathematics and Informatics in Education*’ (pp. 376-381), Thessaloniki, Greece, October, 2001.

S12) Tselios, N., Avouris, N. & Kordaki, M. (2001). A Tool to model user interaction in open problem solving environments. *Panhellenic Conference in Human Computer Interaction 2001*, (pp. 91-95), Patras, December, 2001.

S11) Kordaki, M. & Avouris, N. (2001). Interaction of young children with multiple representations in an Open Environment. *Panhellenic Conference in Human Computer Interaction 2001*, (pp. 312-317), Patras, December, 2001.

S10) Kordaki, M., (2000). Relating mathematics and technology through the development of educational software for mathematics education. *17th Panhellenic Conference with International Participation of Greek Mathematics Society*, (pp. 200-209). Athens, Greece, November, 2000.

S9) Kordaki, M., & Komis, V., (2000). Computer Science in Education: views of teachers. 2nd Panhellenic Conference with International Participation ‘*Informatics and Education*’ (pp. 572-582), Patras, Greece, October, 2000.

S8) Kordaki, M., Avouris, N., & Tselios, N., (2000). Tools and methodologies for the evaluation of open learning environments. 2nd Panhellenic Conference with International Participation ‘*Informatics and Education*’ (pp. 371-381), Patras, Greece, October, 2000.

S7) Kordaki, M., (2000). Pupils’ approaches to the concept of non-convex polygons in a computer microworld. 2nd *Panhellenic Conference with International Participation in Mathematics Education*, (pp. 163-170), Rethymnon, Greece, March, 2000.

S6) Kordaki, M., & Potari, D., (1999). Prospective Primary teachers’ conceptions about teaching and learning mathematics. *16th Panhellenic Conference with International Participation of Greek Mathematics Society*, (pp. 251-261), Larissa, November, 1999.

- S5) Kordaki, M., (1999). Pupils' area-transformation strategies using the tools that simulate pupils' sensory motor actions. *16th Panhellenic Conference with International Participation of Greek Mathematics Society*, (pp. 368-377), Larissa, November, 1999.
- S4) Kordaki, M., (1999). The role of dynamic representations of the concept of conservation of area on pupils' strategies. 4th Panhellenic Conference with International Participation 'Didactics of Mathematics and Informatics in Education', (pp. 221-228) Rethymnon, Greece, October, 1999.
- S3) Kordaki, M., (1999). Teaching approaches followed by prospective computer science teachers. 1st Panhellenic Conference with International Participation 'Informatics and Education' (pp. 193-202), Ioannina, Greece, May, 1999.
- S2) Kordaki, M., (1999). Pupils' approaches to the concept of conservation of area regarding classes of shapes of the same form. 4th Panhellenic Conference in Geometry with international participation: 'Research in Geometry and its teaching and learning in 21 century' (pp. 77-84), Dept. Of Mathematics and Dept. of Primary Education, University of Patras, Patras, Greece, 1999.
- S1) Kordaki, M. & Potari, D., (1997). A computer learning environment for the learning of the concept of conservation of area. 3rd Panhellenic Conference with International Participation 'Didactics of Mathematics and Informatics in Education', (pp. 123-132). Patras, Greece, May, 1997.

7.5. INVITED TALKS

- 24) Kordaki, M. (2015). Educational digital storytelling in the Computing classroom. Invited talk in '4th Conference of Computer Science Education for Computing teachers of the Western Greece, Organizer: School advisors of Informatics teachers of the western Greece in collaboration with the Administration of Secondary education of Western Greece region, Patras, Greece, 01-02/06/2015.
- 23) Kordaki, M. (2015). Educational digital storytelling. Invited plenary talk in 'Festival of student creativity', Organizer: School advisor of Informatics teachers in collaboration with

- the Administration of Secondary education of North Aegean region, Mytilene, Lesbos, 02/04/2015.
- 22) Kordaki, M. (2015). Educational digital storytelling: The ED-W model for the design of digital educational stories. Invited lecture in the Dept of Primary education, University of the Aegean, Greece, 21/03/2015.
 - 21) Kordaki, M. (2014). Invited speaker in the Conference on Digital Game-Based Learning «*GAME ON*» Moscow, Russia, Moscow State University, May, 22-23, 2014.
 - 20) Kordaki, M. (2011-2013). Invited Professor to give some lectures about ‘Didactics of Computing’ in the Dept of Informatics of Economic University of Athens (spring, 2011-2012, 2012-2013). Lecture title: ‘Forming lesson plans to teach Computing concepts’.
 - 19) Kordaki, M. (2011-2013). Invited Professor to give some lectures about ‘Didactics of Computing’ in the Dept of Informatics of Economic University of Athens (spring, 2011-2012, 2012-2013). Lecture title: ‘*Computing as a learning subject in the secondary level of education and the Computing teacher*’.
 - 18) Kordaki, M. (2010). Invited discussant in the PREDIL (PRomoting Equality in Digital Literacy) Networking Conference "*Synergy Development between Policy and Praxis on Technology Enhanced Learning from a Gender Perspective*" under the patronage of Prime Minister of SR Iveta Radičová, September 7th -9th, 2010 - Spišská Kapitula, Slovakia: **Section 2b: Evidence on Gender Issues in ICT resources** (7/09/2010; 16.15-17.45). Organizer: Faculty of Education, Catholic University in Ružomberok together with FORTH/IACM (Greece)
 - 17) Kordaki, M. (2005). ‘Research and teaching practices in Computer Science Education’. *Educational Meeting for Computer Science Education*. Department of Secondary and Primary Education of Western Greek and Division of Computer Science Teachers of Achaia, Greece. 8/12/2005.
 - 16) Kordaki, M. (2005). Multiple and Linked Representation Systems in the Design of Problem Solving Learning Environments. In proceedings of *10th Pan - Hellenic Conference on Informatics PCII0*. 11-13, November, 2005 Volos, Greece.
 - 15) Kordaki, M. (2005). Gender and Computers in Secondary schools: Two-day meeting ‘*Gender Equity –Relationships and employment*’. Higher Technology Education Institute of Patras, Patras, Greece, 16-17/05/05.
 - 14) Kordaki, M. (2005). The Role of Social Context on students choices regarding Computer Science: Gender Differences. ‘*Gender and Education: Mathematics, Science and Technology*’. Dept. of Primary Education, Aristotle University of Thessaloniki, Greece.

- 13) Kordaki, M. (2004). 'Modern learning theories in Higher Education: teaching Educational Technology in a project based environment in the Dept of Computer Engineering and Informatics, Patras, Greece'. Higher Technology Education Institute of Informatics at Athens, Athens, Greece, February, 9-10, 2004.
- 12) Kordaki, M. (2004). E-learning. Greek Mathematics Association, Agrinion, 14/3/ 2004.
- 11) Kordaki, M. (2004). The Communicative Role of Teacher in traditional and e-learning environments. Dept. of Primary Education, University of Thessaly, December, 17/01/2004.
- 10) Kordaki, M. (2003). The Positive Role of Constructivist Educational Software in Changing the Mathematics Education. Greek Mathematics Association, Agrinion, December, 7, 2003.
- 9) Kordaki, M. (2003). Modeling in the Design of Educational Software for Mathematics Education. '*Books, Educational Materials and Educational Software: design and practices*'. Dept. of Primary Education, University of Thessaly, December, 13-14, 2003.
- 8) Kordaki, M., (2001). Views of mathematics' teachers about teaching and learning Geometry using educational software'. *Workshop for Secondary level education advisors*. Greek National Institute of Education, Athens December, 2001.
- 7) Kordaki, M. (2001). Special characteristics of Computer Science: effects on teaching and learning. '*Panhellenic Conference for Computer Science Education*', Greek Information Society & University of Athens, Dept. of Computer Science and Telecommunications, April, 2001.
- 6) Kordaki, M. (2001). How to interpret constructivist learning theories in the preparation of a mathematics' classroom teaching experiment for Secondary level education pupils. *Workshop for Secondary level education teachers*. Secondary level education school advisors' office, & Association of Mathematics' Teachers, Union of Messinia. Kalamata, Messinias, Greece, 11/3/2001.
- 4) Kordaki, M. (1999). 'Using educational software in teaching and learning Geometry in Primary level education pupils'. *Workshop for Primary level education teachers*. Primary level education school advisors' office, Patras, Greece, September, 1999.
- 5) Kordaki, M. (1999). Web-based Learning. '*Oi askoi toy Aioulou*', Meeting for Secondary level education teachers of Messinia. Secondary education and University of Patras dept. of Computer engineering and Informatics. Kalamata Messinia, Greece, December, 1999.
- 3) Kordaki, M. (1995). Mathematics and environmental education. *Meeting for Secondary level education teachers*, Center of Enviromental Education, Kleitoria, Achaias, Greece, June, 1995.

- 2) Kordaki, M. (1995). 'Using computers in teaching and learning mathematics'. *Symposium for Secondary level education teachers*. Greek Association of Mathematics at Chios, Chios, Greece, 1995.
- 1) Kordaki, M. (1999). Evaluating educational software based learning environments. *1st Panhellenic Conference of ODYSSEA' schools*. Research Academic Computer Technology Institute (R.A.C.T.I). Athens, May, 1999.

7.6. ROUND TABLES (in Greek)

- 3) Grigoriadou, M., Kordaki, M., Jimoyannis, A. & Hadjilakos, A. (2005). ICT Teachers. *3rd Pan-Hellenic Conference of teachers 'Exploiting ITC in Educational Practices'*. Greek Ministry of Education, Syros, Greece, May 13-15, 2005 (in CD-ROM).
- 2) Kordaki, M., & Grigoriadou, M. (2004). Teaching Approaches and Educational Software in Computer Science Education. Διδακτικές Προσεγγίσεις και Εκπαιδευτικό Λογισμικό Πληροφορικής. *4th Pan-Hellenic Conference 'ICT in Education' (with International Participation)*, Athens, Greece, September, 2005 pp..523-525.
- 1) Komis, V., Dagdilelis, V., Δαγδιλέλης, B., Kordaki, M. & Jjimoyannis, A. (2004). Computer Science Education. *2nd Pan-Hellenic Conference for Computer Science Education (with International Participation)*. University of Thessaly, Dept. of Primary Education, Volos, Greece, January, 16-17, 2004, pp. 361-362.

7.7. WORKSHOP ORGANIZATION (in Greek)

- 31) Kordaki, M., Kakavas P., Kakavas K. and Kakava, I., (2017). Teacher education in the use of digital tools and storyboarding for the design and implementation of educational digital stories. Proceedings of *5th Pan-Hellenic scientific conference 'Integration of ICT in educational practices'*, Pedagogical Department of ASPAITE, 21-23 April, 2017.
- 30) Kordaki, M. and Karasavvides, E. (2017). 'Digital Games in Educational Practices'. Workshop of the *5th Pan-Hellenic Conference* «Integration and Use of ICT in Educational Practices», *ETPE*, 21-23 April 2017, Athens, Greece.
- 29) Kordaki, M. and Berdousis, I. (2016). Gender issues in Computer Science Education. Workshop of the *8th Pan-Hellenic 8th Pan-Hellenic and International Conference 'Didactics of Informatics'*, *ETPE*, 23-25 September 2016, Ioannina, Greece.

- 28) Kordaki, M. and Goussiou, A. (2016). Digital Educational Games. Workshop of the 10th Pan-Hellenic and International Conference ICT in Education, ETPE, 23-25 September, 2016, Ioannina, Greece.
- 27) Kordaki, M. (2014). Educational card Games. Mini-track in 8th European Conference on Games Based Learning, Research and Training Center for Culture and Computer Science (FKI), University of Applied Sciences HTW Berlin, Berlin, Germany, 9-10 October 2014.
- 26) Kordaki, M. and Psomos, P. (2012). Educational Digital Storytelling Environments: Creaza, Zimmer Twins at School and Xtranormal, Workshop of the 8th Pan-Hellenic Conference with International Participation on Information and Communication Technologies in Education (HCICTE 2012), 28-30 September 2012, Volos, Greece.
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9. ADMINISTRATION TASKS

- 9.1. October 2013 – up to now: Director of the “Telematics Applications” Lab, Dept of Cultural Technology and Communications, University of the Aegean, Greece.
- 9.2. Scientific Co-ordinator of the “Telematics Applications” Lab, Dept of Cultural Technology and Communications, University of the Aegean, Greece. October 2012 - October 2013: Scientific Co-ordinator of the “Telematics Applications” Lab, Dept of Cultural Technology and Communications, University of the Aegean, Greece.
- 9.3. Member of the following committees of the Dept of Cultural Technology and Communications (DCTC), University of the Aegean, Greece:
1. Evaluation of candidates for the post-graduate program “Cultural Informatics”: 2012-13.
 2. E-learning committee of the Univ. Of the Aegean: 2011-2012
 3. Selection of appropriate infrastructure materials for DCTC (substitute member of the committee of the contest): 2013
 4. Rating students –through examinations- to enter DCTC: 2013-14, 2014-2015
 5. Formation of the under-graduate courses of DCTC in the form of ‘learning outcomes’ (coordinator)
 6. Quality assurance and external evaluation of DCTC (Decision of 5th G.A./15.5.2013)
 7. Formation of Under-graduate curricula (Decision of 5th G.A./15.5.2013)

8. Evaluation of candidates for the post-graduate program “Cultural Informatics’’: 2013-2014 (Decision of 5th G.A./15.5.2013)
9. Evaluation of candidates -holding a degree from another department- to enter the graduate program of DCTC: 20013-2014 and 2014-2015.
10. Member of the scientific committee for the selection of adjunct assistant professor in a position at DCTC entitled “3-D Graphics’ for the academic years 2013-14, 2014-15.
11. Member of the scientific committee for the selection of a faculty member in a position -at DCTC- entitled “ Social and information systems”.

On the whole: Dr Maria Kordaki has published *more than 217 publications* in scientific journals, books and conferences and her work has received **at least 870 citations** in international (*728 citations* according to Publish and Perish, h-index=14, g-index=22, last access: 24/06/2017) and national (more than 150 citations) scientific books, journals and conference proceedings. Mrs Maria Kordaki has also collaborated with more than 70 other researchers.