



Marina Papastergiou

Items	Number
Book Chapters	2
Articles in International Peer-Reviewed Journals Indexed in Bibliographical Databases	24
Articles in Journals not Indexed in Bibliographical Databases	6
Refereed International Conference Publications	11
Refereed National Conference Publications	26
Harzing's PorP/Scopus Citation Index (including self-citations)	~3060/1452
Harzing's PorP/Scopus h-index	13/9
Involved in Successful Grant Applications	4 (~1.066.382€)

1 EDUCATION

- Diploma in Computer Engineering and Informatics, Department of Computer Engineering and Informatics, University of Patras (1990)
- Diplôme d'Études Approfondies (D.E.A.) de Didactique des Disciplines, Option: Informatique, Université Paris 7 (1995)
- PhD in Informatics Education, Department of Preschool Education, University of Thessaly³ (2002)

2 EMPLOYMENT HISTORY

1. Associate Professor at the University of Thessaly Department of Physical Education and Sport Science (DPESS) (2015-today)
2. Assistant Professor at the University of Thessaly Department of Physical Education and Sport Science (DPESS) (2011-2015)
3. Lecturer at the University of Thessaly DPESS (2006-2011)
4. Informatics teacher in secondary education (2000-2006)
5. Non-permanent faculty at the following departments of the University of Thessaly: DPESS, Department of Special Education, Department of Primary Education, Department of Preschool Education, Department of Computer Engineering, Telecommunications and Networks (1999-2005)
6. Network engineer within the framework of the project «Network for the Support of Integrated Services at the University of Thessaly» of the University of Thessaly Research Committee. In charge of the development and support of the Network node in Trikala (1997-2000)
7. Scientific collaborator at the Technological Educational Institution of Larisa (1996-1998)
8. Instructor at the Computer Programmers Specialty of the Public Vocational Training Institute of Trikala (1995-1997)
9. Software engineer at the Information Systems and Technological Applications Sector of the Hellenic Agency for Local Development and Local Government SA (1991-1994)

3 ACADEMIC & SCIENTIFIC EXPERIENCE

3.1 Undergraduate Teaching

1. University of Thessaly DPESS. Teaching of the courses «Computing», «Computing – Applications in Physical Education», «Information Technology in Education with emphasis on Physical Education», “Computing in Physical Education and Sport I”, “Computing in Physical Education and Sport II” (Faculty, 2006-today)
2. University of Thessaly, Departments: DPESS, Department of Special Education, Department of Primary Education, Department of Preschool Education, Department of Computer Engineering, Telecommunications and Networks. Teaching of the courses «Computing», «Introduction to Informatics», «Internet Applications in Education», «Basic Internet Services and their Pedagogical Use», «Basic Informatics Applications in Education», «Informatics Education I», «Informatics Education II» (Non-permanent faculty, 1999-2005)
3. Technological Educational Institution of Larisa, General Department of Exact Sciences. Teaching of the courses «Computer Programming I» and « Computer Programming II» (scientific collaborator, 1996-1998)

3.2 Postgraduate Teaching

1. European Master’s Programme in Sport and Exercise Psychology (EMSEP Erasmus Mundus), University of Thessaly DPESS and European universities. Teaching of the course «Information & Communication Technology for Sport & Exercise» (2016-today)
2. European Master’s Programme in Sport and Exercise Psychology (EMSEP Erasmus Mundus), University of Thessaly DPESS and European universities. Teaching of the seminar courses «ICT Skills for Research and Presentation» (2010-2011 & 2012-today) and «ICT Applications for Sport and Exercise» (2013-2015)
3. Inter-University Inter-Departmental Master’s Programme «Exercise and Quality of Life» of the DPESSs of the Democritus University of Thrace and the University of Thessaly. Participation in the teaching of the course «New Technologies in the Training Procedure» with lectures entitled «Digital games for the learning of athletic skills and the improvement of fitness» and «Utilization of multimedia blogs for the learning of athletic skills» (2010-2011)
4. Master’s Programme «Contemporary Learning Environments and Production of Teaching Materials», University of Thessaly Department of Primary Education. Participation in the teaching of the course «Teaching and Learning with Information and Communication Technologies (ICT): Research Perspectives» with a lecture entitled «The Internet in teaching and learning: Students’ mental representations of the Internet and open-source course management systems» (2006-2007)

3.3 Supervision/Co-supervision of Doctoral Theses

3.3.1 Completed

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3.3.2 In Progress

1. I. Siakavaras (supervisor)
2. V. Sakorafas (supervisor)
3. Member of the supervision committee of 4 doctoral theses

3.4 Supervision/Co-supervision of Master's Dissertations

3.4.1 Completed

1. R.M. Couceiro (2010) – co-supervisor within the framework of the Erasmus project
2. Member of the supervision committee of 3 master's dissertations

3.4.2 In Progress

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3.5 Participation in Research and Development Projects

1. Scientific Coordinator of the «Physical Education» Group in the project «Digital School II: Expanding and exploiting the Digital Educational Platform, the OER repositories and the interactive textbooks» (<https://dschool.edu.gr/dschool2-project/>), NSRF 2014-2020, Code: 5001312, Budget: 2.475.245€, Computer Technology Institute & Press «DIOPHANTUS», Coordinator: Dr. E. Megalou (2017-2019)
2. Coordinator of the University of Thessaly Training Centers of the Cluster «Physical Education & Health» in the project «Training of B-Level ICT trainers: Teachers' training in the utilization and application of digital technologies in the didactical practice», NSRF 2014-2020, Computer Technology Institute & Press «DIOPHANTUS» & Consortium of 9 Greek Universities, Code: 5833, Budget: 531.382€, Scientific Coordinator: Dr. P. Politis, Associate Professor (2018-2019)
3. Participant in the project «Coalition for Health – Exercise, development of exercise programs as a means for the prevention and rehabilitation of chronic diseases – intervention programs», University of Thessaly DPESS, Code: 4459, Budget 526.300€, Scientific Coordinator Dr. V. Gerodimos, Associate Professor in the DPESS (2012-2013)
4. Scientific Coordinator of the project «Creation of e-learning infrastructures for Physical Education and Information and Communication Technologies topics», University of Thessaly DPESS, Code: 3945, Budget 5.000€, (2009-2010)
5. Scientific Coordinator of the project «Design, development and evaluation of online multimedia courses for the learning of topics related to physical exercise», University of Thessaly DPESS, Code: 4015, Budget 3.929€ (2009-2010)

3.6 Participation in International Scientific Committees

1. Member of the Conference Committee of the International E-Life Congress (E-LIFE2015, E-LIFE-2016)
2. Member of the Conference Committee of the European Conference on Games Based Learning (ECGBL2012, ECGBL2013, ECGBL2014, ECGBL2015, ECGBL2016, ECGBL2017, ECGBL2018, ECGBL2019)
3. Member of the Program Committee of the IEEE International Conference on Advanced Learning Technologies (ICALT2010, ICALT2011, ICALT2012, ICALT2013, ICALT2014-Track 14, ICALT2015, ICALT2016, ICALT2017, ICALT2018, ICALT2019)
4. Member of the Program Committee of the IEEE International Conference on Digital Game and Intelligent Toy Enhanced Learning (DIGITEL2010, DIGITEL2012)
5. Member of the Program Committee of the International Conference on E-Learning and Games (Edutainment 2011)

3.7 Membership in National Scientific Committees

>15 Memberships

3.8 Editorial Experience

1. Member of the editorial board of the international scientific journal «Education and Information Technologies» (2018-today)
2. Member of the editorial board of the international scientific journal «Research in Learning Technology» (2010-2017)
3. Member of the editorial board of the collective volume: Payne, C. (Ed.) (2009). *Information Technology and Constructivism in Higher Education: Progressive Learning Frameworks*. Hershey, PA: Information Science Reference IGI Global

3.9 Reviewing Experience

1. Reviewer for >22 international and >3 national scientific journals
2. Reviewer for 2 international collective volumes
3. External examiner and pre-examiner of PHD theses at the University of Brunel (2015) and the University of Juvaskyla (2016)
4. Reviewer of a proposal for funded research, University of Missouri Research Board (2012)

3.10 Participation in Scientific Societies

1. Hellenic Scientific Association of Information and Communications Technologies in Education
2. Technical Chamber of Greece (TCG)
3. Hellenic Informatics Association

4 PUBLICATIONS

4.1 Book Chapters

1. Solomonidou, C., **Papastergiou, M.**, & Tasios, A. (2007). Aspects of the relationships of boys and girls with technology: Representations and uses of technology in everyday life. In E. Drenoyianni, F. Seroglou & E. Tressou (Eds.), *Gender and Education: Mathematics, Science and New Technologies* (pp. 275-291). Athens: Kaleidoscope Editions. (in Greek)
2. Siakavaras, I., **Papastergiou, M.**, & Comoutos, N. (2018). Mobile games in computer science education: Current state and proposal of a mobile game design that incorporates physical activity. In T. Mikropoulos (Ed.), *Research on e-Learning and ICT in education: Technological, pedagogical and instructional perspectives* (pp. 243-255). Switzerland: Springer.

4.2 Articles in International Peer-Reviewed Journals Indexed in Bibliographical Databases (e.g. SPORTDISCUS)

1. Vernadakis, N., **Papastergiou, M.**, Giannousi, M., & Antoniou, P. (2018). The effect of an exergame-based intervention on balance ability of deaf adolescents. *Sport Science*, 1, 36-41.
2. Tzanetakos, N., **Papastergiou, M.**, Vernadakis, N., Antoniou, P. (2017). Utilizing physically interactive videogames for the balance training of adolescents with deafness within a physical education course. *Journal of Physical Education and Sport*, 17(2), 614 – 623.
3. Kordaki, M., **Papastergiou, M.**, & Psomos, P. (2016). Students' perceptions in the design of a computer card game for learning computer literacy issues: A case study. *Education and Information Technologies*, 21(4), 837-862.
4. Vernadakis, N., **Papastergiou, M.**, Zetou, E., & Antoniou, P. (2015). The impact of an exergame-based intervention on children's fundamental motor skills. *Computers and Education*, 83, 90-102.

5. Pateraki, B., Pollatou, E., **Papastergiou, M.**, & Karadimou, K. (2014). Multimedia environment and gender in motor-rhythmic performance of a dance routine with ball, accompanied by an adjusted music composition. *Journal of Education and Training*, 1(1), 1-9.
6. **Papastergiou, M.**, Pollatou, E., Theofylaktou, I., & Karadimou, K. (2014). Examining the potential of Web-based multimedia to support complex fine motor skill learning: An empirical study. *Education and Information Technologies*, 19(4), 817-839.
7. Apostolou, M., Antoniou, P., & **Papastergiou, M.** (2014). Distance collaborative education within the framework of digital learning communities as a medium to develop social skills in environmental education. *Open Education - The Journal for Open and Distance Education and Educational Technology*, 10(1), 2014, Section One, <http://journal.openet.gr/index.php/openjournal/article/download/192/117> (in Greek).
8. **Papastergiou, M.**, & Gerodimos, V. (2013). Can learning of basketball be enhanced through a web-based multimedia course? An experimental study. *Education and Information Technologies*, 18(3), 459-478.
9. 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*, 18(3), 531-554.
10. **Papastergiou, M.**, Gerodimos, V., & Antoniou, P. (2011). Multimedia blogging in Physical Education: Effects on student knowledge and ICT self-efficacy. *Computers and Education*, 57(3), 1998-2010.
11. **Papastergiou, M.**, Antoniou, P., & Apostolou, M. (2011). Effects of student participation in an online learning community on environmental education: A Greek case study. *Technology, Pedagogy and Education*, 20(2), 127-142.
12. **Papastergiou, M.** (2011). Physical education and sport science undergraduate students as multimedia and Web developers: Moving from the user's to the creator's perspective. *Education and Information Technologies*, 16(3), 281-299.
13. **Papastergiou, M.** (2010). Enhancing physical education and sport science students' self-efficacy and attitudes regarding information and communication technologies through a computer literacy course. *Computers and Education*, 54(1), 298-308.
14. **Papastergiou, M.**, & Thireos, E. (2010). Information and communication technology in health education: Theoretical framework, empirical findings and research perspectives. *Archives of Hellenic Medicine*, 27(2), 239-258. (in Greek)
15. **Papastergiou, M.** (2009). Exploring the potential of computer and video games for health and physical education: A literature review. *Computers and Education*, 53(3), 603-622. [WEB OF SCIENCE HIGHLY CITED PAPER]
16. **Papastergiou, M.** (2009). Online computer games as collaborative learning environments: Prospects and challenges for tertiary education. *Journal of Educational Technology Systems*, 37(1), 19-38.
17. **Papastergiou, M.** (2009). Digital game-based learning in high-school computer science education: Impact on educational effectiveness and student motivation. *Computers and Education*, 52(1), 1-12. [WEB OF SCIENCE HIGHLY CITED PAPER]
18. **Papastergiou, M.** (2008). Are Computer Science and Information Technology still masculine fields? High school students' perceptions and career choices. *Computers and Education*, 51(2), 594-608.
19. **Papastergiou, M.** (2008). Proposals for the utilization of the Internet in science classes: The cases of the space and earth environments. *Teaching of Science – Research and Practice*, 28, 20-34. (in Greek).

20. **Papastergiou, M.** (2007). Use of a Course Management System based on Claroline to support a social constructivist inspired course: A Greek case study. *Educational Media International*, 44(1), 43-59.
21. **Papastergiou, M.** (2006). Course Management Systems as tools for the creation of online learning environments: Evaluation from a social constructivist perspective and implications for their design. *International Journal on E-Learning*, 5(4), 593-622.
22. **Papastergiou, M.** (2005). Learning to design and implement educational websites within preservice training: A Project-Based Learning environment and its impact on student teachers. *Learning, Media and Technology*, 30(3), 263-279.
23. **Papastergiou, M.** (2005). Students' mental models of the Internet and their didactical exploitation in Informatics education. *Education and Information Technologies*, 10(4), 341-360.
24. **Papastergiou, M., & Solomonidou, C.** (2005). Gender issues in Internet access and favourite Internet activities among Greek high school pupils inside and outside school. *Computers and Education*, 44(4), 377-393.

4.3 Articles in Journals not Indexed in Bibliographical Databases (the following journals are scientific and peer-reviewed)

1. Syropoulou, A., Vernadakis, N., Amprasi, E., **Papastergiou, M.**, Kourtessis, T., Zetou, E., & Giannousi, M. (2017). The impact of two educational interventions, virtual reality and traditional activities on mood, enjoyment, and intent to engage in the game, of primary school students. *Exercise and Society*, 60, 46-55. (in Greek)
2. **Papastergiou, M.** (2007-2008). Didactical utilization and impact of the Internet in education: Examples of websites for mathematics teaching. *Education and Science*, 1(4), 344-364. (in Greek)
3. **Papastergiou, M.** (2007). Training prospective teachers in the creation of learning material for the World Wide Web: Experiences from a learning environment based on projects. *Education Sciences*, 2, 161-177. (in Greek)
4. **Papastergiou, M., & Solomonidou, C.** (2003). Internet-based learning in higher education: Current modes and research trends towards constructivist and collaborative learning environments. *THEMES in Education (English Edition)*, 4(2), 155-176.
5. **Papastergiou, M., & Solomonidou, C.** (2002). Students' representations regarding the Internet: A pilot investigation. *THEMES in Education (Greek Edition)*, 3(2-3), 269-301. (in Greek)
6. **Papastergiou, M., & Solomonidou, C.** (2002). How do children use the Internet and what representations do they form of it? Results of a pilot research on children aged 10-14 years old. *Social Science Tribune*, Vol 9, 34, 83-111. (in Greek)

4.4 Refereed International Conference Publications

1. Tzanetakos, N., Antoniou, P., **Papastergiou, M.**, & Vernadakis, N. (2011). The investigation of the influence of exergames on the balance of deaf children. In D. Gouscos & M. Meimaris (Eds.), *Proceedings of the 5th European Conference on Games Based Learning (ECGBL 2011)*, Athens, Greece, October 2011 (pp. 767-770). Athens, Greece: National and Kapodistrian University of Athens.
2. Couceiro, R. M., Veloso, A., **Papastergiou, M.**, & Kordaki, M. (2010). Design of a computer game for an information technology class. In R. Prada, C. Martinho & P. Santos (Eds.), *Proceedings of the 3rd Conference on Videogame Science and Art (VIDEOJOGOS 2010)*, Lisbon, Portugal, September 2010 (pp. 51-60). Lisbon, Portugal: Technical University of Lisbon. Also published in 2011 in *Revista Prisma*, 14(2011), Especial Videojogos 2010, <http://revistas.ua.pt/index.php/prisma.com/issue/view/N.%C2%BA%2014>

3. **Papastergiou, M.** (2008). Physical education students' self-efficacy and attitudes regarding information and communication technologies. In J. Luca & E. Weippl (Eds.), *Proceedings of the 20th World Conference on Educational Multimedia, Hypermedia & Telecommunications (ED-MEDIA 2008)*, Vienna, Austria, July 2008 (pp. 3880-3887). Chesapeake, VA, USA: Association for the Advancement of Computing in Education (AACE).
4. **Papastergiou, M.** (2006). Training prospective computer engineers in computer science education and educational technology: Students' responses and lessons learned. In E. Pearson & P. Bohman (Eds.), *Proceedings of the 18th World Conference on Educational Multimedia, Hypermedia & Telecommunications (ED-MEDIA 2006)*, Orlando FL, USA, June 2006 (pp. 1605-1612). Chesapeake, VA, USA: Association for the Advancement of Computing in Education (AACE).
5. **Papastergiou, M.** (2006). Design, development and evaluation of game-oriented educational software for computer science education. In E. Pearson & P. Bohman (Eds.), *Proceedings of the 18th World Conference on Educational Multimedia, Hypermedia & Telecommunications (ED-MEDIA 2006)*, Orlando FL, USA, June 2006 (pp. 2141-2148). Chesapeake, VA, USA: Association for the Advancement of Computing in Education (AACE).
6. **Papastergiou, M.** (2004). Educators' mental models of Internet services and their impact on Internet use: The case of electronic mail. In J. Nall & R. Robson (Eds.), *Proceedings of the 9th World Conference on E-Learning in Corporate, Government, Healthcare & Higher Education (E-LEARN 2004)*, Washington DC, USA, November 2004 (pp. 2081-2086). Chesapeake, VA, USA: Association for the Advancement of Computing in Education (AACE).
7. **Papastergiou, M.** (2004). Student teachers as educational Web site creators: An evaluation of their difficulties with regard to the Web design and development process within a constructivist and collaborative learning environment. In L. Cantoni & C. McLoughlin (Eds.), *Proceedings of the 16th World Conference on Educational Multimedia, Hypermedia & Telecommunications (ED-MEDIA 2004)*, Lugano, Switzerland, June 2004 (pp. 3406-3411). Chesapeake, VA, USA: Association for the Advancement of Computing in Education (AACE).
8. **Papastergiou, M.** (2003). Teaching Internet concepts and skills in secondary education: Informatics teachers' views and practices. In K. Fernstrom (Ed.), *Proceedings of the 4th International Conference on Information Communication Technologies in Education (ICICTE 2003)*, Samos, Greece, July 2003 (pp. 349-355). Athens, Greece: National and Kapodistrian University of Athens.
9. **Papastergiou, M.** (2003). Introducing non-computer science undergraduates to Web development: Results of an investigative study on student teachers. In D. Finkel (Ed.), *Proceedings of the Association for Computing Machinery (ACM) Special Interest Group in Computer Science Education (SIGCSE) 8th Annual Conference on Innovation and Technology in Computer Science Education (ITICSE 2003)*, Thessaloniki, Greece, June/July 2003 (pp. 231-231). New York, USA: ACM Press. Also published in 2003 in ACM SIGCSE Bulletin, 35(3), 231-231, <http://dl.acm.org/citation.cfm?id=961290&picked=prox>
10. **Papastergiou, M., Metallidou, P., & Bonoti, F.** (2003). How does e-mail work? A pilot study of student teachers' mental models based on their drawings and reactions to messages of the e-mailing software. In C. Stephanidis (Ed.), *Adjunct Proceedings of the 10th International Conference on Human Computer Interaction (HCI International 2003)*, Heraclion, Greece, June 2003 (pp. 75-76). Heraclion, Greece: Crete University Press.
11. **Papastergiou, M., & Solomonidou, C.** (2002). How do secondary school pupils perceive the Internet? An investigation of pupils' representations. In K. Fernstrom (Ed.), *Proceedings of the 3rd International Conference on Information Communication Technologies in Education (ICICTE 2002)*, Samos, Greece, July 2002 (pp. 579-585). Athens, Greece: National and Kapodistrian University of Athens.

4.5 Refereed National Conference Publications

26 publications (in Greek)

5 ADMINISTRATIVE EXPERIENCE

1. Member of the Expanded Institutional Committee of the project «Open Academic Courses of the University of Thessaly» (2010-2015)
2. Member of various committees of the University of Thessaly DPESS (network committee, semester timetable committee, entry exams committee, student feeding committee, etc.) (2009-today)
3. In charge of the electronic assessment of the University of Thessaly DPESS courses by the students of the department (2009-today)
4. Member of the Committee for the Creation of Digital Interactive Educational Materials of the Inter-University Inter-Departmental Program of Postgraduate Studies «Exercise and Quality of Life» of the DPESSs of the Democritus University of Thrace and the University of Thessaly (2007)