

**Zacharoula Smyrnaïou**  
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#### **Qualifications:**

- BA in Science (Physics) (1991–1995, University of Athens)
- MSc in Informatics (1997–1999, University of Athens)
- DEA in Science Education (1999–2000, University of Paris V (Sorbonne), France).
- PhD in Science Education (Thèse de Doctorat) (2000–2003, University of Paris V (Sorbonne), France).

#### **Current Research Interests:**

- Her research interests and publications concern the teaching of science using new information technologies, the integration of computers in education, the conception and the development of educational software and the Educational Sciences.

#### **Current Teaching:**

##### **(a) Postgraduate**

- Teaching the courses: ICT and Learning Process, “Modern Theories of Learning”

##### **(b) Undergraduate**

- ICT and Learning Process
- Educational Sciences (a course delivered to other Departments’ undergraduate students also)

#### **Research projects:**

- “TACT (2013-2015)”, Tracing Assessment for learning Capability in Teachers (TACT): Initial teacher education and beyond (<http://tactproject.weebly.com/>).
- “European Student Parliaments on Science” (2014). (<http://esof2014.org/>).
- “METAFORA” (2010-2013), φορέας χρηματοδότησης: Ευρωπαϊκή Ένωση, Learning to Learn Together: A Visual Language for Social Orchestration of Educational Activities, FP7, IST-5, STREP, 257872. (Leader:: Raul Drachman).
- “Kaleidoscope” (2004-2007), φορέας χρηματοδότησης: Ευρωπαϊκή Ένωση, 507838, ‘TEL’ - ‘Technology-enhanced Learning and Access to Cultural Heritage’, Network of Excellence, FP6-2002-IST Action line.3.1.12.
- “COMODE” (2005-2006), eTEN/2004/1, e-learning, 517428, (Leader: Lydia Mondandon).
- “RECOIL”, Resources for Collaborative Inquiry Learning (2004-2006), EDU-ELEARN, 2003-4729/001-001 (Leader: Wouter R. van Joolingen)
- “MODELLINGSPACE” (2001-2004), IST-School of Tomorrow Project Information Society Technologies, Education and Training, School of Tomorrow, IST-2000-2538 (Leader: A. Dimitracopoulou)
- “ROSE” Relevance of Science Education και “Analysis of students’ errors” (2003-2004), Education Research Centre of Greece

#### **Selected Recent Publications:**

- Kynigos C. Daskolia M, Smyrnaïou Z. (2013). Empowering Teachers in Challenging times for Science and Environmental Education: Uses for scenarios and microworlds as boundary objects. *Contemporary Issues in Education* , Volume 3, Issue 1, 41-65.
- Smyrnaïou, Z., Moustaki, F., Yiannoutsou, N., Kynigos, C (2012). Interweaving meaning generation in science with learning to learn together processes using web 2 tools. *Themes in Science & Technology Education*, 5(1/2), 27-44.
- Smyrnaïou, Z., Kynigos, C. (2012) Interactive Movement and Talk in Generating Meanings from Science, IEEE Technical Committee on Learning Technology, Special Theme "Technology-Augmented Physical Educational Spaces" Hernández Leo, D. (Ed). *Bulletin of the Technical Committee on Learning Technology*, pp. 17-20, Volume 14, Issue 4, October 2012, available online at <http://www.ieeetclt.org/content/bulletin-14-4>
- Smyrnaïou Z, Moustaki F, Kynigos C. (2012). “Students’ Constructionist Game Modelling Activities as Part of Inquiry Learning Processes” *Electronic Journal of e-Learning* Volume 10 Issue 2, 2012, (pp235 - 248), available online at [www.ejel.org](http://www.ejel.org)