



Leonidas Gomatos

Professor
Department of Education
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Education

- 1984 : Diploma of Mechanical engineering , National Technical University of Athens (NTUA), GR
- 1986 : Certificate of Pedagogical Studies, PATES/SELETE, GR
- 1990 : Ms In Science and Technology Education, Université Paris 7, FR
- 1996 : PhD in Science Education, Université Paris 7- Denis Diderot, FR

Research Interests

- Group problem solving in mechanics and thermodynamics.
- Science and Technology Education
- Initial Vocational Education and Training
- Teachers' Preparation and Training

Teaching

- Teaching Methodology (ASPETE, 2003-2023)
- Science Education (Open Hellenic University, 2021-2022)
- Educational Research Methodology (ASPETE 2016-2019)
- Educational Applications with STEM Epistemology (Master of Science in Educational Applications with STEM Epistemology, 2021-2023)
- Subject Didactics (ASPETE, 2017-2020)
- Technology and new trends in science and mathematics education (Master of Science in "Pedagogy through Innovative Technologies and Biomedical Approaches", 2017-2023)
- Organizational Psychology, Human Resources Management, Work market (ASPETE, 2020-2023)

Selected Publications

- [1] Ouarzeddine, A., Ouasri, A., **Gomatos, L.** & Ravanis, K. (2023). Sciences Physiques et Technologie dans les programmes scolaires de l'enseignement secondaire de 3 pays méditerranéens : le cas de l'Algérie, du Maroc et de la Grèce. *Mediterranean Journal of Education*, 3 (1), p. 81-94, ISSN:2732-6489

- [2] Zalimidis, P., Papanikolaou, K., Spitas, V., **Gomatos, L.** & Vasileiou, G. (2022). How students' learning styles affect their perceptions on the asynchronous mode of a mechanical engineering course, *EDULEARN22 Proceedings*, p. 6587-6592, DOI: 10.21125/edulearn.2022.1553
- [3] Zalimidis, P., Papanikolaou, K., **Gomatos, L.**, Spitas, V. & Vasileiou, G. (2022). Exploring the Potential of Educational Animation to Improve the Learning Process in Mechanical Engineering Courses, *EDULEARN22 Proceedings*, p. 6640-6647, DOI: 10.21125/edulearn.2022.1566
- [4] **Gomatos, L.**, Kourentzis, K., Moschonissiotis S. & Mourkakos, P. (2021). Scénarios numériques d'enseignement en génie mécanique. Quel apport des applications STIM ? In Terrien, P. & Olympio, N. (dir.) *La réussite scolaire, universitaire et professionnelle. Conditions, Contextes, Innovations*. Aix-en-Provence : Presses Universitaires de Provence, 357-371
- [5] Stathopoulou, M. & **Gomatos, L.** (2021). Classroom seating arrangement: the impact on educational choices. *Inovace a technologie ve vzdělávání 1/2021*, 45-50. ISSN 2571-2519
- [6] Zalimidis, P., **Gomatos, L.**, Spitas, V., Vasileiou, G. & Tsolakis, E. (2021). A Quantitative Comparison of Synchronous and Asynchronous Distance Learning, based on the perspectives of a single group of Students. *14th annual International Conference of Education, Research and Innovation, IATED Virtual conference*, 8th-9th, November, 2021, ISBN: 978-84-09-34549-6, doi:10.21125/iceri.2021
- [7] Ouarzeddine, A., **Gomatos, L.** & Ravanis, K. (2020). Étude comparative des systèmes de formation initiale et continu des enseignants en Algérie et en Grèce. *European Journal of Education Studies v.6(10)*, 67-85.
- [8] Grivopoulos, K., Metheniti, M. & **Gomatos, L.** (2019). Relations science-technologie dans les manuels scolaires de génie mécanique en Grèce. *Educational Journal of the University of Patras UNESCO Chair*, 6(1), p.80-88.
- [9] **Gomatos, L.**, Dimou, H. & Parissis, V. (2016). La place du constructivisme dans des scénarios pédagogiques numériques de la plateforme AESOP en Grèce. *Educational Journal of the University of Patras UNESCO Chair*, 3(2),77-88.
- [10] **Gomatos, L.** (2015). Teachers' Departments: A Forgotten Aspect of the Debates about Education in Greece. In Karras, K.G. Calogiannakis, P., Wolhuter C.C. and Kontogianni, D. (2015) *Education and Teacher Education in the Modern World, Problems and Challenges*, Chapter 20, p.242-252, Cambridge Scholars Publishing. ISBN (10): 1-4438-8004-3 ISBN (13): 978-1-4438-8004-6 - 242-252
- [11] **Gomatos, L.** (2015) School's liberating values and Initial VET that incorporates Work Based Learning: a contradiction? *Studia Poradoznawcze/ Journal of counselling*, vol. 4, p. 283-292, ISSN 2299-4971.
- [12] **Gomatos, L.**, Koutsougera, A., Pisimisi, H. & Despotopoulos, K. (2015). Descriptions d'activités professionnelles par des enseignants et des praticiens : éléments de synthèse et de comparaison. *Educational Journal of the University of Patras UNESCO Chair*, vol. 2(1), p.29-39.
- [13] **Gomatos, L.** (2012). Choix didactiques des enseignants de technologie : quelles relations avec les conceptions des enseignants à l'égard des relations sciences-technologie ? *Revue SKHOLÉ*, vol.17, p. 201-208. ISSN: 1263-5898