

Curriculum Vitae (short)

Name	Molohidis Anastasios
Academic Status	Associate Professor at the Didactics of Physics and Educational Technology Laboratory (EDIFET)
Studies	2006 - PhD School of Primary Education, A.U.Th. 1982 - MSc Meteorology, National and Kapodistrian University of Athens 1980 - BSc Physics Department, A.U.Th
Main research topic	Didactics of Physics
Particular research interests	<ul style="list-style-type: none"> ✚ teaching and learning in Physics in basic education and in pre- and in-service science teacher education, both in formal and informal learning, ✚ design, development, implementation and evaluation of innovative Teaching Learning Sequences using ICT, within the frame of science pedagogical content knowledge, ✚ design and use of virtual laboratories in inquiry-based learning, and ✚ study of professional development both in pre-service and in-service science teachers.
Important Scientific publications	<ul style="list-style-type: none"> ✚ Demetriadis S., Barbas A., Molohides A., Palaigeorgiou G., Psillos D., Vlahavas I., Tsoukalas I. and Pombortsis A. (2003). "Cultures in Negotiation": Teachers' Acceptance / Resistance Attitudes Considering the Infusion of Technology into Schools. <i>Computers and Education</i>, 41(1), 19-37. https://doi.org/10.1016/S0360-1315(03)00012-5 ✚ Hatzikraniotis E., Kallery M., Molohidis A., and Psillos D. (2010). Students' design of experiments: an inquiry module on the conduction of heat. <i>Physics Education</i>, 45(4), 335-344. https://doi.org/10.1088/0031-9120/45/4/002 ✚ Molohidis A., Lefkos I., Taramopoulos A., Hatzikraniotis E., and Psillos D. (2015). Web-Based Virtual Labs: a Cosmos - Evidence - Ideas as a Design Framework Leading to Good Practice, In <i>Proceedings of the 7th International Conference on Computer Supported Education (CSEDU-2015)</i>, 418-423. https://doi.org/10.5220/0005477204180423 ✚ Psillos D., Molohidis A., Kallery M., and Hatzikraniotis E. (2016). The iterative evolution of a Teaching-Learning Sequence on the Thermal Conductivity of materials in D. Psillos, P. Kariotoglou (eds), <i>Iterative Design of Teaching - Learning Sequences</i>, Springer, 287-329. ISBN 978-94-007-7807-8.

	<ul style="list-style-type: none"> ✚ Michaloudis A., Molohidis A., and Hatzikraniotis E. (2018). Tracing Students' Actions in Inquiry-based Simulations in T. A. Mikropoulos (ed.), <i>Research on e-Learning and ICT in Education</i>, Springer, https://doi.org/10.1007/978-3-319-95059-4_18 ✚ Molohidis A. & Hatzikraniotis E. (2018). Introducing Preservice Science Teachers in the Development of Inquiry-based Activities. In D. Sokolowska, M. Michelini (eds), <i>The Role of Laboratory Work in Improving Physics Teaching and Learning</i>, Springer, ISBN 978-3-319-96183-5. ✚ Karafyllidis T., Hatzikraniotis E., Molohidis A. (2019). Eye tracking the behavior of learners with different level of expertise in a simulation-based learning environment. In L. Gómez Chova, A. López Martínez, I. Candel Torres (Eds.) <i>Proceedings of EDULEARN19 Conference, 11th International Conference on Education and New Learning Technologies</i>, July 1st-3rd, 2019, Palma, Mallorca, Spain. ISBN: 978-84-09-12031-4. https://doi.org/10.1007/978-3-319-96184-2 ✚ Testa I., Psillos D., and Molohidis A. (2020). How national curricula affect the design and transfer of a teaching-learning sequence between two educational systems: Case studies from Greece and Italy. <i>Physical Review Physics Education Research</i>, 16(2). https://doi.org/10.1103/PhysRevPhysEducRes.16.020146 ✚ Kousloglou M., Zoupidis A., Molohidis A., Hatzikraniotis E. (2022), Enhancing Students' motivation by STEM-oriented, mobile Inquiry-Based Learning. In S. Xefteris (Ed.), <i>Handbook of Research on Integrating ICTs in STEAM Education</i>, pp, 176-200. IGI Global. https://doi.org/10.4018/978-1-6684-3861-9.ch009 ✚ Petridou E., Molohidis A., Hatzikraniotis E. (2022). Assessing Students' Ability to Apply the Control of Variables Strategy, when Engaged with Inquiry-Based Worksheets during the COVID Era. <i>Education Sciences</i> 12(10), 668. https://doi.org/10.3390/educsci12100668 [Special Issue "The Role of Technology in Teaching, Learning, and Assessment during and Post-COVID-19: Opportunities for Innovation and Challenges"] ✚ Kousloglou M., Petridou E., Molohidis A., Hatzikraniotis E. (2023). Assessing Students' Awareness of 4Cs Skills after Mobile-Technology-Supported Inquiry - Based Learning. <i>Sustainability</i>, 15(8), 6725. https://doi.org/10.3390/su15086725
Development of educational software (participation)	<ul style="list-style-type: none"> ✚ Open Learning Environment - OLLE (2005): 6 virtual laboratories for the study of Optics and Electromagnetism. ✚ Development of microscopic models for the heat transfer (2008) and ✚ Development of simulated laboratories for the heat transfer (2008) within the framework of the Materials Science project, "University - School partnerships for the design and implementation of research -based ICT-

	<p>enhanced Modules on Material Properties" (FP6: Science and Society: Science and Education, European Community) (2008-2011).</p> <p>🚩 Web Virtual Labs (2015). Development of three (3) web virtual labs for the study of Optics, Thermal Phenomena and Electricity.</p>
Publications	<p>🚩 Molohidis T., Bisdikian G., (2002). Instruments and apparatuses of the Science Laboratories. 496 pages. Pedagogical Institute and Publishing Organization for Textbooks.</p> <p>🚩 Psillos D., Hatzikraniotis E., Molohidis A., Kallery M. (2009). Thermal conductivity of materials, Teaching and Learning Activities, original version ISBN: 978-9963-689-48-4. (in greek)</p> <p>🚩 Psillos D., Hatzikraniotis E., Molohidis A., Kallery M. (2009). Thermal conductivity of materials, Teacher's manual, original version. ISBN: 978-9963-689-49-1. (in greek)</p> <p>🚩 D. Psillos, E. Hatzikraniotis, A. Molohidis, Soulios I. (2009). Optical properties of materials, Teaching and Learning Activities, adapted version. ISBN: 978-9963-689-46-0.</p> <p>🚩 D. Psillos, E. Hatzikraniotis, A. Molohidis, Soulios I., (2009). Optical properties of materials, Teacher's manual, adapted version. ISBN: 978-9963-689-47-7.</p> <p>🚩 K. Vourlias, I. Gatsios, G. Gross, E. Kapotis, A. Molohidis (2019). Physics Textbook for 2nd grade of Gymnasium. Klett Hellas publ. ISBN: 978-960-582-100-5. (in greek)</p> <p>🚩 K. Vourlias, G. Gross, A. Molohidis, K. Nikolopoulos, I. Papadakis, L. Papatsimpa, Th. Satzoukidis (2021). Physics Textbook for 3rd grade of Gymnasium. Klett Hellas publ. ISBN: 978-960-582-142-5. (in greek)</p>