

Skoumios Michael  
Professor,  
Department of Primary Education,  
University of the Aegean

#### Short CV in English

Michael Skoumios is a Professor at the Department of Primary Education, University of the Aegean, with the subject "Science Education in Primary Education".

His research interests focus on the change of students' practical-experiential knowledge, the development and evaluation of educational material and teacher training. In particular, his scientific - research work focuses on: (a) the investigation of students' conceptions and obstacles about science ideas and concepts; (b) the didactic processing of students' conceptions and obstacles in Science; (c) the study of cognitive conflict processes; (d) the study of the effectiveness of experimental activities, (e) the learning of core ideas and concepts using science and engineering practices; (f) the investigation of the quality of students' oral discourse and written arguments; (g) the analysis of science educational material; (h) the development of "integrated" educational material in mathematics and science; and (i) the development of professional development programmes for teachers.

His work has been published in international and Greek scientific journals, edited volumes and proceedings of international and Greek conferences. In particular, his authorial work includes more than 230 published papers, of which 64 are in foreign languages and the rest in Greek.

He is a graduate of the Pedagogical Academy of Rhodes and holds a degree from the Department of Primary Education of the University of the Aegean and the Department of Physics of the University of Athens (EKPA). He completed his PhD studies at the School of Humanities of the Hellenic Open University. The topic of his PhD thesis was: "Didactic treatment of obstacles for the conceptual area of heat". He conducted postdoctoral research at the School of Humanities of the Hellenic Open University on the topic: "Development and evaluation of educational materials for distance education in science".

He has worked in Primary Education, was the Head of Primary Education of the Laboratory Centre of Natural Sciences (LSCS) of the Dodecanese and taught at the Teaching School "Alexandros Delmouzos". Today he teaches in the Undergraduate Program of the Department of Primary Education of the University of the Aegean, in the Postgraduate Program "Education Sciences - Education with the Use of New Technologies" of the Department of Primary Education of the University of the Aegean, in the Postgraduate Program "Science Teaching and ICT in Education: Interdisciplinary Approach" of the Department of Early Childhood Education and Educational Planning of the University of the Aegean and the Postgraduate Programme "Environmental Education" of the Department of Early Childhood Education and Educational Planning of the University of the Aegean. He is also an Associate Teaching Personnel (ACP) in the subject area "Science Teaching" of the Postgraduate Programme of Studies "Sciences of Education" at the Hellenic Open University.

He is co-organizer of the Panhellenic Conferences with International Participation on Educational Materials in Mathematics and Science which are held every two years since 2014.

He is Vice President of the Department of Primary Education of the University of the Aegean, Director of the "Natural Sciences Laboratory" and member of the Quality Assurance Unit (QAQU) of the University of the Aegean.

He is Vice President of the Regional Committee of Model and Experimental Schools of the South Aegean, President of the Scientific Supervisory Board of the Experimental and Model Schools of Syros, and Vice President of the Regional Committee of the Model and Experimental Schools of Rhodes.