

Short CV

CURRENT ACADEMIC POSITIONS

- 2016-2021: Assistant Professor, School of Science and Technology (SST), Hellenic Open University (HOU), covering teaching duties and coordination of the Module "Cell structure and function", Undergraduate HOU Course "Studies in Physical Sciences".
- 2016-2021: Coordination of the module "Biology practice" (lab course), Undergraduate HOU Course "Studies in Physical Sciences".
- 2020-2021: Coordination of the module "Biomolecular analysis" (lab course), Postgraduate HOU Course (MSc) "Chemical and Biomolecular Analysis".
- 2016-2021: Director of the Biology Laboratory, SST, HOU (<http://biologylab.eap.gr/BIOLOGYLAB/ARCHIKE.html>).
- 2019-2021: Member of the tripartite Academic/Scientific Board developing and coordinating establishment of the new Postgraduate Course (MSc) "Chemical and Biomolecular Analysis", SST, HOU.
- 2016-2021: Member of the Academic Committee for the Evaluation of newly established Postgraduate (MSc) and Short Learning Courses in SST, HOU.
- Member of the Supervising Committee in 2 Theses/Dissertations.
- Supervisor of pre- and post-graduate (MSc) dissertations.
- 2014-2021: Member of HOU research team developing "Onlabs", a 3D Biology Virtual Educational software for Distance Laboratory Training (<http://www.slideshare.net/EADTU/onlabs-3d-game-for-distance-laboratory>).

POSTGRADUATE EDUCATION

- PhD in "Molecular Biology and Genetics" obtained from the Medical School (2001), University of Patras, funded by the "State Scholarships Foundation" of Greece. During PhD studies, received 2 EMBO research fellowships to study and master cutting edge techniques on molecular biology at the Laboratory of Gene Structure and Expression National Institute for Medical Research, UK, and the Department of Medical and Molecular Genetics, King's College, London.
- Postdoctoral studies at Medical School, University of Patras (2001-2003) and at the Department of Medical and Molecular Genetics King's College, London (2003-5) under the Marie Curie Individual Fellowships scheme.
- Postdoctoral activity at HOU (2007-2015): contribution to the development of the Biology research laboratory in terms of acquiring modern equipment and research directions. Organization of training activities and new technologies implementation in distance teaching of laboratory courses.

TEACHING ACTIVITIES

- Molecular Biology and Genetics Department, Democritus University of Thrace (2002-3): Molecular Biology, Biochemistry
- Department of Pharmacy, University of Patras (2006-8): Genetics, Biotechnology
- Department of Materials Science, University of Patras (2008): Molecular Biology
- Undergraduate HOU Course "Studies in Physical Sciences" (2017-21): Molecular and Cellular Biology, Biochemistry, Physiology.
- Postgraduate Course (MSc) "Medicinal Chemistry: Drug Discovery and Design", Chemistry and Medical Departments, University of Patras (2015-21): Molecular Genetics
- Postgraduate HOU Course (MSc) "Chemical and Biomolecular Analysis" (2021): Current Topics in Applied Molecular Biology.

EDUCATIONAL RESEARCH: Development and assessment of distance educational material for the Open and Distant learning are among duties of HOU academic staff, which derive from the HOU foundation Act 2552/1997. The main concept is to update didactic models by adapting suitable developments and innovations of new technology to the educational processes. 4 relative publications and 2 book chapters.

Supervision of a PhD Theses (June 2016- July 2020) on the subject: "Methods of assessing the students' performance upon utilization of a Virtual Reality educational tool for laboratory biology courses".

RESEARCH IN THE FIELD OF LIFE SCIENCES, oriented towards the following subjects:

- Study of human disorders emerging genetic and epigenetic correlations. Identification of genomic variants and determination of methylation patterns in critical regulatory gene regions that contribute to manifestation of pathological phenotypes.
- Study of the transcriptional regulation of the human β - type globin genes' expression and investigation of the molecular mechanisms involved in the natural developmental switch in globin expression, from fetal to adult during time of birth. Attempts to re-activate fetal hemoglobin in adult patients with β -hemoglobinopathies, to improve their clinical phenotype.
- Biotechnological interventions for the construction and safe use of viral and non-viral vectors in gene therapy protocols.

30 peer-reviewed publications and book chapters, over 45 conference presentations, 3 awards

Reviewer for 8 international scientific peer-review journals

2016-2018: Funded (PENER_EAP_2016) for the research proposal entitled: "Study of the epigenetic CpG-methylation modifications associated with heterogeneity of response in β -hemoglobinopathy patients treated with hydroxyurea"

ADMINISTRATIVE POSITIONS

- Committee for Academic Quality Assessment (OMEA), SST, HOU
- Member of the tripartite Committees for the Evaluation of HOU cooperating teaching staff
- Member of the Ethics Committee, HOU
- Reviewer of Research Grants for the "State Scholarships Foundation" of Greece (IKY)