



# Papadimitropoulos Nikolaos

Consultant of Science Education

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Google scholar: <https://scholar.google.com/citations?user=wEUeHQoAAAAJ>  
(citations 55, h-index 3)

SCOPUS:

<https://www.scopus.com/authid/detail.uri?authorId=57221726953>

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## EDUCATION

- 1997 Bachelor in Chemistry NKUA
- 1999 M.Sc. in Physical Chemistry/NKUA/Investigation of cyclodextrin complexes using dielectric spectroscopy
- 2015 M.Sc. in Teaching Chemistry and New Technologies /NKUA/ Development, Implementation, and Evaluation of Digital Materials for the Teaching of Chemistry in 3rd Grade of Junior High School
- 2022 Ph.D. in Teaching Chemistry and New Technologies /NTUA/ Development and Exploitation of Arduino-based Instruments in the Secondary Education of Sciences.

## RESEARCH FIELDS

- Utilization of Microcontrollers in the Secondary Education of Sciences
- Development and Implementation of Digital Multimedia Educational Material in the Secondary Education of Sciences.
- Learning Theories Related to the Use of ICT in the Secondary Education of Sciences.

## EDUCATIONAL EXPERIENCE

### UNDERGRADUATE COURSES

- 1997-99 Laboratory of Physical Chemistry/Department of Chemistry/NTUA/Student Supervision in Laboratory Exercises

### GRADUATE COURSES

- Teaching Chemistry and New Technologies /NKUA/ Application of New Educational Technologies in Educational Practice I
- Teaching Chemistry and New Technologies /NKUA/ Application of New Educational Technologies in Educational Practice II

### Secondary Education Teachers' Trainer on Science Education

2005-12

- 84 hours of training of teachers, related to laboratory exercises for middle and high schools (Laboratory Center of Sciences).
- 64 hours of training of teachers, related to the use of ICT in education (Laboratory Center of Sciences).

2005-08

- Trainer in the 1st phase of training for newly appointed educators.
- Trainer in the 2nd phase of training for newly appointed educators.

2009-14

Sample teaching sessions.

2012-19

633 hours of teacher training in-person, remotely, or using a blended model for the use of ICT.

2016-18

Distance education for educators, 220 hours, on the use of ICT in teaching through the Moodle platform, as part of an educational program organized by the Directorate of Primary Education in Cyclades.

2019-2022

Implementation of in-school training for the utilization of Webex, eclass, and e-me during distance education due to the Covid-19 pandemic.

## DISCRIMINATIONS / SCHOLARSHIPS

- 1998 Scholar of the IKY (State Scholarships Foundation) for postgraduate studies.
- 2009 1<sup>st</sup> place in the National Competition for High School Experiments (EUSO).
- 2012 2<sup>nd</sup> place in the National Competition for Junior High School Experiments.
- 2014 1<sup>st</sup> place in the National Competition for Junior High School Experiments.
- 2016 Substitute position in the European competition: "Constructions and Experiments in Physical Sciences – Science on Stage."
- 2018 1<sup>st</sup> place in the Athens Science Festival competition for science communication.
- 2018 2<sup>nd</sup> place in the European GAIA program competition.
- 2018 1<sup>st</sup> place in the National Competition "Learning Science through Theater"

## REVIEWER OF SCIENTIFIC JOURNALS

- Computer Applications in Engineering Education
- Neos Paidagogos

## ADDITIONAL INFORMATION

- Presentations at conferences: **17**
- Supervision of graduate students: **Support for undergraduate students' thesis under Professor E.A. Pavlatou.**
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## SELECTED PUBLICATIONS (link OF PUBLICATIONS)

<https://doi.org/10.1080/10494820.2021.1975302>

<https://doi.org/10.1007/s10956-020-09899-5>

<https://doi.org/10.1080/002689799163460>

<https://doi.org/10.1080/00268970010009017>

<https://doi.org/10.21125/iceri.2021.2079>

<https://doi.org/10.21125/iceri.2019.1865>