

*First Name, Last Name*  
**MIROFORA PILAKOUTA**



### **Personal information**

Department of Biomedical Sciences, University of West Attica  
Campus 1, Ag. Spyridonos 28, Egaleo 12243 Athens, Greece

Tel:00302105385638

E-mail: mpilak@uniwa.gr

Nationality: Greek

Family status : Married - Two children

### **Languages**

Mother tongue: Greek

English: fluent

### **Education and training**

1987: PhD, University of Patras

"Study of Hydrogen Depth Profiles In Some  
Thin Film Sandwiches"

(1981-1985)Fellowship from the Greek Atomic Energy Commission

1981, Bsc in Physics. University of Athens, Physics Department

### **Scientific Activity**

2/94-2/96: Research Associate in the Scientific Program

"Applications of Nuclear and Optical Techniques for  
Semiconductive and Superconductive Material Investigation"  
of the Nuclear Physics Department of the National Techni-  
cal University.

4/89 - 3/93: Research Associate in the Institute of Nuclear Physics

NCSR "DEMOKRITOS" for the Application of Nuclear Physics  
Program.

## Selected Research Publications

<https://scholar.google.com/citations?user=KhyX9ZUAAAAJ&hl=el>

M. Pilakouta, F.K. Pappa, D.L. Patiris, C. Tsabaris and C.A. Kalfas "A methodology for expanding the use of NaI(Tl) based spectrometry in environmental Radioactivity measurements"  
Journal: Applied Radiation and Isotopes Volume 139, September 2018, P159-168  
doi.org/10.1016/j.apradiso.2018.04.032

M Pilakouta, N Kallithrakas-Kontos and G Nikolaou "Determining the 40K radioactivity in rocks using X-ray spectrometry" Eur. J. Phys. 38(5), 2017

Pilakouta M, Savidou A and Vasileiadou S A laboratory activity for teaching natural radioactivity Eur. J. Phys. 38 015801, 2017

C. Tsabaris , D.L. Patiris , E. Fillis-Tsirakis , V. Kapsimalis , M. Pilakouta ,F.K. Pappa , R. Vlastou «Vertical distribution of 137Cs activity concentration in marine sediments at Amvrakikos Gulf, western of Greece.»  
Journal of Environmental Radioactivity 144 (2015) 1-8

F.Noli, P.Misaelides, P.Spathis, M.Pilakouta and H.Baumann. "Oxidation and corrosion studies of Al-implanted Stainless-steel AISI 321 using Nuclear reaction and Electrochemical techniques."Nucl. Inst. and Meth. B68 ,pp.398-401,1992.

## Educational Activity

2019-today: Associate Professor Department of Biomedical Sciences, University of West Attica  
Campus 1, Ag. Spyridonos 28, Egaleo 12243 Athens, Greece

2018-2019: Associate Professor Department of Industrial Design & Production University of West Attica ,  
2014-2018: Assistant Professor - Department of Physics, Chemistry and Material Technology of TEI-Piraeus.

2008-2014: Lecturer - Department of Physics, Chemistry and Material Technology of TEI-Piraeus.

1991-2008: Physics Teacher (temporary teaching staff) in the department of Physics, Chemistry and Material Technology of TEI-Piraeus.

1997-2008: Physics Teacher (temporary teaching staff) at Hellenic Army Academy(Evelpidon)

1994-2001 Physics Teacher (temporary teaching staff) Department of Physics of ASPETE

## Publications in Greek ( Scientific publications, Books, Educational material)

- **Μ.Πηλακούτα** «Εργαστηριακές Ασκήσεις Ειδικά θέματα Ατομικής και Πυρηνικής Φυσικής 2016» (Περιλαμβάνει Μετάφραση -Επιμέλεια ασκήσεων αλλά και **Πρωτότυπες ασκήσεις** )
- **Μ.Πηλακούτα** «ΗΛΕΚΤΡΟΤΕΧΝΙΑ ΙΙ ΕΡΓΑΣΤΗΡΙΑΚΕΣ ΑΣΚΗΣΕΙΣ» (Κυκλώματα εναλλασσόμενου ρεύματος ). Αθήνα 2014
- **Μ.Πηλακούτα**, Χ.Βαρσάμης 2012 «Βιβλιοθήκη Εκπαιδευτικών βίντεο πειραμάτων Φυσικής» .

- *Εργαστηριακές Ασκήσεις Φυσικής για το Εργαστήριο I και II του Τομέα Φυσικής ΤΕΙ Πειραιά 2011.*  
Συμμετοχή με 9 ασκήσεις
- **Μ.Πηλακούτα** «*Ερωτήσεις Εμπέδωσης Πειραμάτων Φυσικής*», ΑΘΗΝΑ 2008  
Εκπαιδευτικό υλικό για τα Εργαστήρια Φυσικής. Είναι διαθέσιμες σε έντυπη και ψηφιακή μορφή
- **Μ.Πηλακούτα** 2007 : “*Σημειώσεις για τη Τεχνολογία των Πυρηνικών Όπλων*”
- **Μ.Πηλακούτα** 2005 «*Προσομοιώσεις Πειραμάτων Φυσικής*»  
Εκπαιδευτικό CD-ROM Συνοδευόμενο από Οδηγό χρήσης των Προσομοιώσεων.  
Εκπαιδευτικό υλικό Εργαστηριακής Φυσικής  
ΑΘΗΝΑ 2005 , ISBN 960-630-804-9

#### Scientific Associations

- Member of the Greek Association of Nuclear Physics