

First Name, Last Name

MIROFORA PILAKOUTA



Personal information

Address :Technological Education Institute of Piraeus
Department of Physics Chemistry and Material Technology
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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. Scientific leader Professor E.Gazis,.

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

Publications

1. A.Savidou, X.Aslanoglou, T.Paradellis and **M.Pilakouta**
"Proton induced thick target γ -ray yields of light nuclei at the energy region $E_p=1.0 - 4.2$ MeV"
Nucl. Inst. and Meth. B152, pp.12-18, 1999.
2. R.Vlastou, E.N.Gazis, C.T.Papadopoulos, E.Liarokapis, D.Palles, S.Kossionides, M.Kokkoris, **M.Pilakouta**, W.Assmann and H.Huber.
"An IBA and Raman study of irradiated thin films of $YBa_2Cu_3O_{7-x}$ superconductor."
Nucl. Inst. and Meth. B113, pp.253, 1996.
3. X.Aslanogloy, P.A.Assimakopoulos, C.Trapalis, G.Kordas, M.A.Karakassides and **M.Pilakouta**.
"Heavy ion RBS characterization of multilayer coatings deposited through the Sol-Gel Technique."
Nucl. Inst. and Meth. B118 ,pp.630, 1996.
4. L.Weier - Krystallis, **M.Pilakouta** and A.Karydas
"X-Ray Analysis of Ancient coins from Thessaly. Part II"
Nomismatica Chronica, No 14, p.21 - 32, 1995.
5. P.Aloupogiannis, A.Travlos, X.Aslanoglou, **M.Pilakouta** and G.Weber
"Rare-earth silicide thin film study. Comparison of heavy ion and conventional RBS".
Vacuum V.44, pp.37-39, 1993.
6. 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.
7. **M.Pilakouta**, X.Aslanoglou, A.Savidou, T.Paradellis and E.Sideris

["A study of the effects of \$^{15}\text{N}\$ ion beam irradiation on organic compounds."](#)

[Nucl. Inst. and Meth. B68, pp.141-144, 1992.](#)

8. L.Weier - Krystallis, **M.Pilakouta**, A.Karydas and E.Mantzouka
"X-Ray Analysis of Ancient coins from Thessaly."

Nomismatica

Chronica, No 10, p.11-24, 1991.

9. **M.Pilakouta**, A.Neskakis, K.Papathanassopoulos, K.H.Klatt
["Measurements of hydrogen profiles in some thin film metal sandwiches using
the \$^{15}\text{N}\$ reaction method"](#)

[J. Less Common Metals V.144, pp.101-107, 1988.](#)

10. **M.Pilakouta**, A.Neskakis, K.Papastaikoudis, A.A.Katsanos, H.Wenzl and K.H.Klatt
["Analysis of hydrogen depth profiles in a Ta-Ti sandwich thinfilm by the \$^{15}\text{N}\$ reaction method".](#)

[J. Less Common Metals V.130, pp.525-528, 1987.](#)

Educational Activity

2008-today: Lecturer - Department of Physics, Chemistry and Material Technology of TEI-Piraeus.
[Physics for Automation Engineering Students](#)

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)

1. **Μ.Πηλακούτα**

2008 «**Ερωτήσεις Εμπέδωσης Πειραμάτων Φυσικής**», ΑΘΗΝΑ 2008

Εκπαιδευτικό υλικό για τα Εργαστήρια Φυσικής.

Είναι διαθέσιμες σε έντυπη και ψηφιακή μορφή

2. **Μ.Πηλακούτα**

2007 : “*Σημειώσεις για τη Τεχνολογία των Πυρηνικών Όπλων*”

3. . **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

4. **Μ.Πηλακούτα**

“Προσομοιώσεις Πειραμάτων Φυσικής σε Φύλλο EXCEL”
Φυσικός Κόσμος Τεύχος 20 (179), σελ.45-51, 2005

5. **Μ.Πηλακούτα**, Α.Καρύδας, Ξ.Ασλάνογλου και Θ.Παραδέλλης

” Προτυποποίηση λεπτών στόχων για τη βαθμονόμηση των μεθόδων PIXE και XRF “
Επιστημονικά Δημοσιεύματα Στρατιωτικής Σχολής Ευελπίδων. Τεύχος 2, σ.208-213, 2003.

Scientific Associations

- Member of the Greek Association of Nuclear Physics