George Kitis
Associate Professor
Nuclear Physics and Elementary Particle Physisc Department
Scool of Physics
Fuculty of Sciences
Aristotle University of Thessaloniki

Cariculum Vitae

Thessaloniki, July 2015

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1. Personal Details

1955 Born. Married with two children.
1974 Graduate student in Scolol of Physics of AUTH.
1978 Bachelor is Physics.
1979-1981 Greek army
1981 Scientific assistant In the Department of Nuclear Physics and Elementary Particle Physics in the Shcooll of Phyisics -AUTH..
1984- 1990 Scool of Theology of AUTH.
1988 PhD in Phyiscs
1989 Lecturer in the School of Physics-AUTH.
1993 Assistant Professort in the School ofF Physics-AUTH.
2002 Associate Professor in the School of Physics-AUTH.
2016 Professor in the School of Physics-AUTH.

2. Activity in School of Physics AUTH

2.1 Teaching activity.

2.1.1 Teaching

1981-2015 Laboratory exercises in Atomic Physics and Nuclear Physics.
1983-1986 Teaching assistant in Atomic and Molecular Physics.
1986-1994 Teaching assistant in Nuclear Physics.
1989-1997 Teaching Nuclear Physicsς
1998-2015 Teaching Atomic and Molecular Physics.
1993-2011 Co-teaching Health Physics.
2011-2015 Teaching Health Physics
2002-2012 Co-teaching Dosimetry and Radiation Protection

2.1.2 Notes

Contribution with the other members of depertment in writting:
1. Laboratory exercises for Nuclear Physics
2. Laboratory exercises for Atomic Physics

2. 1. 3 Supervisor to PhD's

Supervisor

1. Charitidis Konstantinos 1996
2. Anastasia Tzima 2000.
3. George Polymeris 2004
4. Bhagawan Subedi. 2012
5. Ioanna Sfampa., Under preparation
6. Amr Sadek, Under preparation
7. Vasiliski Aggeli. In progress

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8. Nikolaos Kazakis, In progress
9. Maria Sotiropoulou, in progess

Member to PhD's committes

1. Asimina Vafeiadou, Ubniversity of Aegean, 2002.
2. Crhistos Lamboudis, 2005.
3. George Dallas, University of Thace, 2010.
4. Nikolaos Laskaris, University of Aegean, 2010.
5. Eleni Vagena. In progress.
6. Christina Tziaka. In rogress.
7. Prokopiow Barbagiannidis. In progress.
8. Aikaterini Giannopoulou. In progress.

2.1.4 Diploma works for graduate students

During the preriod 1986-2015, I supervised and co-supervised about 70 graduate students diploma works. A great part of them was original work published in peer review journals. A catalog with students names is given in Appendix **A.**

2.2 Member of Educational and Administrative Committees at School of Physics of AUTH

Since 1990 I was member of many committees of School of Phyics. The last ten years I participated to the following:

2.2.1 Committee for relatioships with education
2.2.2 Committee for Hygeine and Safety
2.2.3 Chairman of the department 2008.
2.2.4 Chaiman of the depertment 2010-11.
2.2.5 Responsible for ΦΜΣ Building since 2007
2.2.6 Deputy Head of School of Physics 2013-2015

3 Research activities

3.1 Topics

3.1 Theoretical and simulation studies on the basic mechanism of Thermoluminescence (TL) optically stimulated luminescence (OSL) and infrared stimulated luminescence (IRSL).
3.2 Kinetic and dosimetric characterizatoin of new materials for use as radiation dosimeters.

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3.3 Investigation of new single peak models for all stimulated luminescence modes.
3.4 Investigation towards the generalization of computerized curve deconvolution analysis for all stimulated luminescence modes.
3.5 Neutron dosimetry
3.6 Reserch on TL and OSL dating and authentication of ancient ceramics and artefacts.
3.7 Kinetic and dosimetric characterization of natural materiasl for use in geochronology and retrospective dosimetry.
3.8 Post sterilization dosimetry of irradiation sterilized foods and drugs.
3.9 Correlation between the various stimulated luminescence modes.
3.10 Simulation studies on TL, OSL and IRSL effects.

3.2 Collaborations with abroad Faculties.

3.2.1 Collaboration for 12 years (~ 2 months per year) with Radiation Protection groups of CERN on:

(a) Kinetic and dosimetric characterization of TL dosimeters.
(b) Dosimetry around high energy particle physics accelerators.

3.2.2 Participation to the PS211 (TARC) experiment at CERN.
I participaeted as responsible for the Thermoluminescence group of AUTH to the PS211 (TARC) at CERN (Funding from the EU, Nuclear Fission Safety DGXII).
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3.2.3 Participation to the PS213 (n-TOF) facility at CERN (For the first two years)

I had collaborated and I am collaborating with:

3.2.4 Physics Department, University of Rome "La Sapienza" with the group of Drκ. C. Furetta.

3.2.5 CIEMAT-Madrid-Spain. With the group of τον Dr. J. M. Gomez-Ros.

3.2.6 Faculty of Physics, University of Belgrade, Serbia, with the group of Dr. M. Prokic.

3.2.7 McDaniel College with the group of prof. V. Pagonis.

3.2.8 Faculty of Sciences and Arts. Physics Department, ISIK University, Istanbul, Turke with prof. κ. N.G. Kiyak.

3.2.9 Instituto de Ciencias Nucleares, Universidad Nacional Autónoma de México (UNAM), with the group of Dr Epifanio Cruz Zaragosa.

3.2.10 Departamento de Investigación en Física. Universidad de Sonora, México, with the group of Dr Rodolfo Bernal.

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3.2.11 Ankara Techincal Univesrity, with the group of prof. Niyazi Meric.

3.2.12 Furthermore I have also colaborated with a large number of investigators all over the world

3.3 Collaboration in Greece

3.3.1 Collaborating with the Medical Phyisc Department of AUTH, The AXEPA general Hospital, The Papageorgiou general Hospital and Theageneio antic-cancer center. The collaboration is twofold research and education. Withinh this collaboration many graduated students are educated.

3.3.2 University of the Aegean, Dept. of Mediterranean Studies, Lab. of Archaeometry, Rhodes, Greece, with prof I. Liritzis.

3.3.3 University of Peloponnese, Dept of History, Archaeology & Cultural Management, Kalamata, Greece, withn associate prof N..

3.3.4 Laboratory of Archaeometry in the Institute Research Center “ATHENA” Ερευνητικό Κέντρο «ΑΘΗΝΑ», with Dr N. Tsirliganis.

3.3.5 Greek Atomic Energy Commision, GAEC (EEAE). Dr E.Carinou

4. International Literature

4.1 Reviewer to International Journals

I am contiunously reviewing to the following Journals

Applied Radiation and Isotopes
Journal of Luminescence
Nuclear Instrument Methods Section A
Nuclear Instrument Methods Section B
Physica Status Solidi (a)
Radiation Measurements
Radiation Protection Dosimetry

I am also reviewer to a lower rate to the following journals

J. Physics D: Applied Physics
Journal Material Science
Acta physisca Polonica
Journal of Alloys and Compounds
Journal of Radioanalytical and Nuclear Chemistry
Mediteranean Archaeology and Archaeometry
Radiation effects and defects in Solids
Journal of Alloys and Compounds
PHYSICA B
The Journal of Biological and Chemical Luminescence

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IEEE on nuclear science
Optical Society of America OSA
Modern Physics Letters (MPLB)
PHASE TRANSITION TAYLOR and FRANCIS
Journal of Taibah University for Science

4.2 Citations in International Journals

Citations as they are given in three data bases are shown in Table below.

Souece	Total	Self citations excluded	Citations of all authors excluded.	h - index	Book by Springer see 5.2
Scopus	1847	1410	1126	22	86
Web	1805	1346	--	22	-
Gooogle Cholar	2462	-	-	25	126

4.3 Citrations in books

1 According to the books of the Phyicis Department Library there are 58 citations in books of international literaturere. A detail catalog is given in **Appendix B.**

5 Publications

My publications are systemized as following:

5.1 PhD.

Contribution to Thermoluminescence and regenerated thermoluminescence as a function of irradiation temperature.
Aristotle Univeristy of Thesaloniki, 1988.

5.2 Books

V. Pagonis, G. Kitis and C. Furetta.
Numerical and practical exercises in Thermoluminescence, Springer, 2006.

5.3 Article in International peer reviewed journals and in proceedings of International conferences published in International peer reviewed journals.

(The articles with an asterisk correspond to articles published in proceedings of International conferences published in International peer reviewed journals.)

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1. F. Hasan, G. Kitis and Stef. Charalambous
The thermoluminescence behavior of CaSO4:Dy (TLD-900) for doses up to 30 Mrad.
Nucl. Instrum. Meth. Phys. Resear. B9 (1985) 218-222.

2. F. Hasan, G. Kitis and Stef. Charalambous.
Regenerated thermoluminescence in CaSO4:Dy.
J. Phys. C: Solid State Phys. 18 (1985), 1743-1751.

3. G. Kitis, F. Hasan, M.Tsakiri and S. Charalambous.
The influence of regenerated thermoluminescence on low dose Dosimetry.
Health Phys. 49(6) (1985) 1193-1196.

4.* G. Kitis, F. Hasan, M. Tsakiri, Stef. Charalambous.
Implication of regenerated thermoluminescence on low dose measurements.
Nucl. Tracks 10(4-6) (1985) 571-574.

5.* G. Kitis, F. Hasan, Stef. Charalambous
Regenerated thermoluminescence: Some new data.
Nucl. Tracks 10(4-6) (1985) 565-570.

6.* G. Kitis and Stef. Charalambous.
Enrichment of quart fine grains for TL and ESR dating.
Nucl. Tracks 10(4-6) (1985) 609-612.

7.* G. Kitis and Stef. Charalambous.
Behaviour of TL-Dosimeters irradiated at various temperatures.
Nucl. Tracks Radiat. Measur. 14(1/2) (1988) 199-202.

8.* G. Kitis and S. Charalambous
Thermoluminescence response as a function of irradiation temperature.
Nucl. Tracks Radiat. Measur. 14(1/2) (1988) 91-95.

9. G. Kitis and S. Charalambous.
Regenerated thermoluminescence as a function of irradiation temperature.
Phys. Stat. Sol. (a) 105 (1988) K175.

10.* G. Kitis and S. Charalambous.
Thermoluminescence of high temperature glow peaks of LiF at various irradiation
temperatures.
Radiat. Prot. Dosim. 33 (1990) 259.

11. G. Kitis, E. Kaldoudi and S. Charalambous.
Thermoluminescence dose response of quartz as a function of irradiation temperature.
J. Phys. D: Appl. Phys. 23 (1990), 945.

12. G.Kitis, C.Haritidis and S. Charalambous.

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Thermoluminescence sensitization of LiF:Mg,Ti, under heat treatment between 150 and 400^{0}C.
Nucl. Instr. Meth. Phys. Research B 51 (1990), 263.

13.* G. Kitis and S. Charalambous.
Relative thermoluminescence response of alpha to beta radiation as a function of irradiation temperature.
Nucl. Track Radiat. Measur. 18 (1991) 95-99.

14.* G.Kitis, P. Bousbouras, C. Antypas and S. Charalambous.
Anomalous fading in apatite.
Nucl. Tracks Radiat. Measur. 18 (1991) 61-65.

15. G. Kitis and S. Charalambous
Alpha to beta particle thermoluminescence response of quartz as a function of irradiation temperature.
Nucl. Instr. Meth. Phys. Resear. B 58 (1991) 211-215.

16. G Kitis, S. Charalambous and J.W.N Tuyn
Thermoluminescence Response of LiF:Mg,Ti(TLD-100) as a function of irradiation
Radiat. Prot. Dosim. 40 (1992) 117-122.

17. G. Kitis, M. Spiropulu, J. Papadopoulos and Stef. Charalambous
Heating rate effects on the TL glow--peaks of three thermo luminescent phosphors.
Nucl. Instrum. Meth. Phys. Resear. 73 (1993) 367-372.

18. G Kitis, L Katsetsiadis, S Charalambous and G G Cai
The influence of Irradiation Temperature on the TL response of LiF:Mg,Cu,P
J. Phys. D: Appl. Phys. 26 (1993) 1094-1097.

19. G Kitis, S Charalambous and J W N Tuyn
Supralinearity of the glow -peak 5 of LiF(TLD-100) obtained with isothermal measurements.
J. Phys. D: Appl. Phys. 26 (1993) 2036-2040.

20.* G Kitis, S Charalambous and J W N Tuyn
Thermoluminescence response of heavy concrete used in the shielding of the CERN 600 MEV Synchrocyclotron
Radiat. Prot. Dosim. 47 (1993) 489-593.

21. Kitis, J. Papadopoulos, S. Charalambous and J. W. N. Tuyn.
The influence of heating Rate effects on the response and trapping parameters of Al2O3:C
Radiat. Prot. Dosim. 55 (1994) 183-190.

22. G. Kitis and C. Furetta
Thermoluminescence characteristics of monocrystaline LiF:Mg,Ti (DTG-4).

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Nucl. Instr. Meth. Phys. Resear. B 94 (1994) 441-448.

23. G. Kitis, C. Charitidis and C. Furetta
Thermoluminescence kinetics parameters of monocrystaline LiF:Mg,Ti (DTG-4)
Nucl. Scin. Jour. 31 (1994) 465-471.

24. G. Kitis, M. Spiropulu. S. Charalambous and E. Weber
Supralinearity of the 110^{0}C thermoluminescence glow-peak of Synthetic Quartz obtained with Isothermal measurements
Nucl. Instrum. Meth. Phys. Resear. B 101 (1995) 255-257.

25. G. Kitis, A. Tzima, G. G. Cai and C. Furetta.
low--temperature (80--2400C) annealing characteristics of LiF:Mg,Cu,P
J. Phys. D: Appl. Phys. 29 (1996) 1601-1612.

26.* G. Kitis and S. Charalambous and J. W. N. Tuyn
The dose response function of α-Al2O3:C under isothermal decay conditions
Radiat. Prot. Dosim. 65 (1996) 239-242.

27.* C. Charitidis, G. Kitis and S. Charalambous
Supralinearity of synthetic quartz at different irradiation temperatures
Radiat. Prot. Dosim. 65 (1996) 347-350.

28.* E. Borchi, C. Furetta, G. Kitis C. Leroy, R. S. Sussmann and A. J. Whiteheand.
Assessment of CVD diamond as a thermoluminescence dosemeter material
Radiat. Prot. Dosim. 65 (1996) 291-295.

29.* G. Kitis, C. Furetta, C. Sanipoli and A. Scacco
Thermoluminescence properties of KMgF3 doped with Pb, Cr and Ag.
Radiat. Prot. Dosim. 65 (1996) 93-96.

30. C. Furetta, G. Kitis, J.H. Kuo, L. Vismara and P.S. Weng
Impact on non--ideal heat transfer on the determination of thermo luminescent kinetic parameters
Journal of Luminescence 75 (1997) 341-351.

31. G. Kitis and J.W.N. Tuyn.
Sensitivity of LiF:Mg,Ti thermoluminescence detector after various Annealing procedures
Nucl. Instrum, Methods B 132 (1997) 639-646.

32. Kitis and J.W.N. Tuyn
A Simple method to correct for the temperature lag in TL glow--curve measurements.
J. Phys. D: Appl. Phys. 31 (1998) 2065-2073.

33. G.Kitis, J.M. Gomez-Ros and J.W.N. Tuyn.

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Thermoluminescence Glow--curve deconvolution functions for first, second and general order of kinetics.
J. Phys. D: Appl. Phys. 31 (1998) 2636-2641

34. C. Furetta, G. Kitis, P. S. Weng and T.C. Kuo.
Thermoluminescence Characteristics of MgB4O7: Dy, Na
Nucl. Instr. Methods Phys. Resear. A 420 (1999), 441-445.

35.* K. Charitidis, G. Kitis, C. Furetta and S. Charalambous
Superlinearity of Synthetic Quartz: Dependance on Pre-dose
Radiat. Prot. Dosim. 84 (1999) 95-98.

36.* C.Furetta, G. Kitis, A. Brambilla, P. Bergonzo and F. Foulon
Thermoluminescence Characteristics of new production Chemical Vapor Deposition diamond.
Radiat. Prot. Dosim. 84 (1999), 201-205.

37.* G. Kitis and J.W.N. Tuyn
Correction of thermal gradient effects arising during Thermoluminescence readout.
Radiat. Prot. Dosim. 84 (1999), 371-374.

38.* G. Kitis, C. Furetta, C. Sanipoli and A. Scacco
$KMgF_3$: Ce,- an ultra high sensitivity thermoluminescence material.
Radiat. Prot. Dosim. 82 (1999), 151-152.

39. H. Arnould, et al.. G.Kitis...
Experimental Verification of Neutron phenomenology in lead and transmutation by adiabatic resonance crossing in accelerator driven systems.
Phys. Let. B 458 (1999), 167-180.

40. G. Kitis and T. Otto
Isothermal Decay Readout: Application to LiF:Mg,Cu,P and Al_2O_3:C
Radiat. Prot. Dosim. 86 (1999), 181-190

41. G. Kitis and J.M. Gomez-Ros
Glow Curve Deconvolution functions for mixed order kinetics and a continuous trap distribution
Nucl. Instrum. Methods A 440 (1999), 224-231

42. C. Furetta, G Kitis and C--H Kuo
Kinetics Parameters of CVD diamond by computerized glow-curve deconvolution (CGCD)
Nucl. Instrum. Methods B 160, (2000), 65-72.

43 G. Kitis and T. Otto
Peculiarities of the glow Peak 5a of LiF: Mg, Ti
Nucl. Instrum. Method B 160 (2000), 262--273

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44. C. Furetta, M. Prokic, R.Solomon and G. Kitis
Dosimetric Characterization of a new production of MgB4O7: Dy, Na thermo luminescent material
Appl. Radiat. And Isotopes 52, (2000), 243-250.

45. C. Charitidis, G Kitis, C. Furetta and S. Charalambous
Superlinearity of Synthetic Quartz: Dependence on firing temperature
Nucl. Instrum. Method B 168 (2000), 404-410.

46. G. Kitis, C. Furetta, M. Prokic and V. Prokic
Kinetic Parameters of some tissue equivalent thermoluminescence materials
J. Phys. D: Appl. Phys. 33, (2000), 1252-1262.

47. K.A. Hatziioannou, K. Psarrakos, E. Molyvda--Athanasopoulou, G. Kitis, E. Papanastasiou, I. Sofroniadis, O. Kimoundri
Dosimetric Considerations in mammography
Eur. Radiol. 10 (2000) 1193-1196.

48. V. Pagonis S. Mian and G. Kitis
Fit of first order thermoluminescence glow peaks using the Weibull distribution function
Radiat.. Prot. Dosim. 93(1) (2000) 11-17.

49. C. Furetta, M Prokic, R.Salomon, V. Prokic and G. Kitis
Dosimetric Characteristics of tissue equivalent thermo luminescent solid TL detectors based on Lithium Borate.
Nucl. Instr. Methods Physics Resear. A 456 (2001) 411-417.

50. G. Kitis
TL glow-curve deconvolution functions for various kinetic orders and a continuous trap distribution: Acceptance criteria for E and s values.
J. Radioanalytical and Nuclear Chemistry. 247 (3) (2001) 697-703.

51. C. Furetta, C. Sanipoli and G.Kitis
Thermoluminescence (TL) properties of the perovskite KMgF3 activated by Ce and Er impurities.
J. Phys. D: Appl. Phys. 34 (2001) 857-861.

52. C. Furetta, F. Santopietro, C. Sanipoli and G.Kitis
Thermoluminescence (TL) properties of the perovskite KMgF3 activated by Ce and Er impurities.
Applied Radiation and Isotopes 55 (2001) 533-542.

53. V. Pagonis and G. Kitis
Fit of second order thermoluminescence glow peaks using the logistic distribution function
Radiat. Prot. Dosim. 95(3) (2001) 225-229.

54. A. Abanades... G. Kits, K. Ziouitas (66 συγγραφείς)

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Experimental verification of neutron phenomenology in lead and transmutation by adiabatic resonance crossing in accelerator driven systems. A summary of the TARC Project at CERN.
Nucl. Instr. Methods in Phys. Res. A 463(2001) 586-592.

55. A. Abanades .. G. Kits,,.. K. Zioutas (66 συγγραφείς)
Results from the TARC experiment: spallation neutron phenomenology in lead and neutron-driven nuclear transmutation by adiabatic resonance crossing.
Nucl. Instr. Methods in Phys. Res. A 478(2002) 577-730.

56. G. Kitis
Confirmation of the influence of the thermal quenching on the initial rise method in α-Al_2O_3:C.
Phys. Sta. Sol. (a) 191 (2002) 621-627.

57.* J.M. Gomez-Ros and G. Kitis
Computerized glow-curve deconvolution using mixed and general order kinetics.
Radiat. Prot. Dosimetry 101 (2002) 47-52.

58.* E. Savvidis, C.A. Eleftheriadis and G. Kitis.
Mapping of the thermal neutron distribution in the lead block assembly of the PS-211 experiment at CERN, using Thermoluminescence and Nuclear track detectors.
Radiat. Prot. Dosimetry 101 (2002) 103-106.

59.* G.Kitis, C. Furetta and C. Sanipoli
Thermoluminescence Properties of $LiMgF_3$ doped with Ce, Er and Dy
Radiat. Prot. Dosimetry 100 (2002) 247-250.

60.* V. Pagonis and G. Kitis
On the possibility of using commercial software packages for thermoluminescence glow-curve deconvolution analysis.
Radiat. Prot. Dosimetry 101 (2002) 93-98.

61.* G. Kitis, V. Pagonis H. Carty and E. Tatsis
Detailed kinetic study of the thermoluminescence glow-curve of synthetic quartz.
Radiat. Prot. Dosimetry 100 (2002) 225-228.

62. *V. Pagonis, E. Tatsis G. Kitis and C. Drupieski
Search for common characteristics in the glow-curves of quartz of various origins.
Radiat. Prot. Dosimetry 100 (2002) 373-376.

63. G. Kitis, G. Liritzis and A. Vafeiadou
Deconvolution of Peak--Shaped optical stimulated luminescence decay curve.
J. Radioanalytical and Nuclear Chemistry 254(1) (2002) 143-149.

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64. V. Pagonis, G. Kitis, and R. Chen
Applicability of the Zimmerman predose model in the thermoluminescence of predosed and αannealed synthetic quartz samples.
Radiat. Measur. 37 (2003) 267-274.

65. G. Kitis V. Pagonis and C. Drupiesky
Cooling rate effects on the thermoluminescence glow curves of Arkansas quartz.
Phys. Stat. Sol (a) 198 (2003) 312-321.

66. R.P Gonzalez, C. Furetta, J,. Azorin, T. Rivera,G. Kitis F. Sepulveda and C. Sanipoli.
Thermoluminescence Characterization of the perovskite-like $KMgF_3$, activated by Lu impurity.
Journal of Material science 39(2004) 1601-1607.

67. C. Furetta, and G. Kitis
Review: Models in thermoluminescence
Journal of Material science 39(2004) 2277-2294.

68. T. Rivera Montalvo, C. Furetta, G. Kitis, J. Azorin, and R.M Vite
Influence of heating rate on thermoluminescence of Zirconiun oxide UV irradiated.
Radiation Effects & Defects in Solids 150(2004) 217-222.

69. U. Abbondanno.. G, Kitis … L Zanini (137 συγγραφείς)
New experimental validation of the pulse height weighting technique for capture cross-section measurements.
Nucl. Instr. Methods in Phys. Res. A 521(2004) 454-467.

70. J. Pancin.. G, Kitis … L Zanini (137 συγγραφείς)
Measurement of the n_TOF beam profile with a micromegas detector.
Nucl. Instr. Methods in Phys. Res. A 524(2004) 102-114.

71. G. Lorusso.. G, Kitis ... LK. Wisshak (137 συγγραφείς)
Time-energy relation of the n_TOF neutron beam: energy standards revisited.
Nucl. Instr. Methods in Phys. Res. A 532(2004) 622-630.

72. G. Kitis, E. Cruz Zaragoza, C. Furetta
Thermoluminescence properties of Chile Guajillo (paprika) Mexicano..
Appl. Radiat. Isotopes 63(2005) 247-254.

73. G. Kitis and C. Furetta
Simulation of competing irradiation and fading effects in thermoluminescence dosimetry.
Radiation Effects & Defects in Solids 160(2005) 285-296.

74. G.S. Polymeris, N. Tsirliganis, Z. Loukou and G. Kitis

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A comparative study of the anomalous fading effects of TL and OSL signals of Durango apatite.
Phys. Sta. Sol. (a) 203(2006) 578-590.

75. G. Kitis, R. Chen, V. Pagonis, E. Carinou and V. Kamenopoulou
Thermoluminescence under an exponential heating function: I. Theory.
J. Phys. D: Appl. Phys. 39 (2006) 1500-1507.

76. G. Kitis, R. Chen, V. Pagonis, E. Carinou, P. Ascounis and V. Kamenopoulou
Thermoluminescence under an exponential heating function: II. Glow-curve deconvolution of experimental glow-curves.
J. Phys. D: Appl. Phys. 39 (2006) 1508-1514.

77. G. Kitis, E. Cruz Zaragoza and C. Furetta
Critical analysis of the peak-shape methods based on only one temperature value
Radiation Effects & Defects in Solids 161(2006) 149-160.

78. E. Cruz Zaragoza, C. Furetta, G. Kitis, B. Torres Gomea, G.S. Polymeris, N. Tsirliganis and Z. Loukou.
Thermoluminescence characterization of the irradiated minerals extracted from nopal.
Radiation Effects & Defects in Solids 161(2006) 267-278.

79. G.S. Polymeris, G. Kitis, A.K. Liolios, N.C. Tsirliganis and K.Zioutas.
Minerals as Time-Integrating Luminescence Detectors for setting bounds on the Dark matter particle characteristics.
Nucl. Instr. Meth. Phys. Res. A 562(2006) 207-213.

80. A. Ortiz Morales, C. Furetta, G. Kitis, A. Negron Mendoza and E. Cruz Zaragoza
Thermoluminescence properties of NaCl monocrystals double doped with $CaCl_2$ and $CdCl_2$.
Radiation Effects & Defects in Solids 161(2006) 383-393.

81. G. Polymeris, G. Kitis and V. Pagonis
The effect of annealing and irradiation on the sensitivity and supralinearity properties of the 110^0C thermoluminescence peak of quartz.
Radiation Measurements 41(2006) 554-564.

82. G. Polymeris, G. Kitis and N. Tsirliganis
Correlation between TL and OSL properties of CaF_2:N
Nucl. Instr. Meth. Phys. Res. B 251(2006) 133-142.

83.* V. Pagonis, G. Kitis and R. Chen
Theoretical modeling of experimental diagnostic procedures employed during pre-dose dosimetry of quartz.
Radiat. Prot. Dosim. 119(2006) 111-114.

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84.* G. Kitis, V. Pagonis, R. Chen and G. Polymeris
A comprehensive comparative study of the pre-dose effect for three quartz crystals of different origin.
Radiat. Prot. Dosim. 119(2006) 438-441.

85.* G. Kitis, V. Pagonis, and R. Chen
Comparison of experimental and modeled quartz thermal-activation curves obtained using multiple- and single- aliquot procedures.
Radiation Measurements 41(2006) 910-916.

86.* N. Tsirliganis, G. Polymeris, Z. Loukou and G. Kitis
Anomalous fading of the Blue-SL and IR-SL signals of fluorapatie
Radiation Measurements 41(2006) 954-960.

87. G. Kitis, G.S. Polymeris, V. Pagonis and N.C, Tsirliganis
Thermoluminescence response and apparent anomalous fading factor of Durango fluorapatie as a function of the heating rate.
Phys. Stat. Sol. (a) 203(2006) 3816-3823.

88. E. Cruz Zaragoza, C. Furetta, G. Kitis, C, Teuffer and M. Borboza-Flores
Oregano and Paprika Spices: Their thermoluminescence Characteristics for Food irradiation dose assessment.
American Journal of Food and Technology (1) (2006)66-76.

89. N.C. Tsirliganis, G.S. Polymeris, G. Kitis, and V. Pagonis
Dependence of the anomalous fading of the TL and Blue-OSL of Fluorapatite on the occupancy of the tunneling recombination sites.
J. Luminescence 126(2007) 303-308.

90. N.G. Kiyak, G.S. Polymeris and G. Kitis
Component resolved OSL dose response and sensitization of various sedimentary quartz samples
Radiation Measurement 42(2007) 144-155.

91. G. Kitis and V. Pagonis
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Dating fossil root cast (Black Sea Coast, Turkey) using thermoluminescence: Implcations for windblown drift of self carbonates during MIS-2.
Quaternary International. Article in press.

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5.4 Poubcication to Greek peer reviewed Journal

1. Κ. Χατζηιωάννου, Π.Βερναδάκης, Γ. Κίτης, Σ. Παρασκευαίδης, Σ. Χατζημιχάλης, Ε. Παπαναστασίου.
Δόση ακτινοβολίας εργαζομένων σε αιμοδυναμικό εργαστήριο.
Radiation dose to a Haimodynamic Laboratory
Ελληνική ακτινολογία (Hellenic Radiology) 28(4) (1997) 304-308.

***5.5 Publication to International conferences published in peer reviewed conference proceedingd* .**

1. A. Siona, F. Hasan, G. Kitis and S. Charalambous.
Regenerated thermoluminescence in pre-irradiated phosphors.
3rd specialist seminar on TL and ESR Dating. Helingnor (Helsinore), Denmark, 1982.
PACT Journal 9 (1983) 133-140.

2. G. Kitis, M. Tsakiri and Stef. Charalambous.
Thermoluminescence Dating Activities by the TL-group of Thessaloniki University.
PACT Journal 15, 117-124, 1985

3. Publications 4, 5 και 6 were presented to:
4th International specialist seminar on Thermoluminescence and Electron-Spin-Resonance Dating, Worms, F.R.G, 1984.

4. Publications 7 και 8 were presented to:
5th International specialist seminar on Thermoluminescence and Electron-Spin-Resonance Dating, Cambridge, U.K, 1987.

5. Publications 10 was presented to:
9th International Conference on Solid State Dosimetry, November 1989, Vienna, Austria.

6. Publications 13 και 14 were presented to:
6th International Specialist Seminar on
Thermoluminescence and ESR Dating, July 1990, Clermont-Ferrand, France.

7. Publications 20 were presented to:
10th International Conference
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8. Publications 26, 27, 28 και 29 were presented to:
11th International Conference on Solid State Dosimetry, Budapest July 1995

9. K.A. Hatziioannou, E. Molyvda--Athanasopoulou, E. Papanastasiou, G. Kitis, K. Psarrakos
Bone marrow and Thyroid Absorbed Doses from Mammography
IRPA9, 1996 International Congress on Radiation Protection,

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Vienna, Austria, April 14--19, 1996.
Proceedings/Volume 3 (1996), 444-446.

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12th International Conference on Solid State Dosimetry, Burgos July 5--10,1998

11. C. Furetta, V. Prokic, G Kitis
Thermoluminescence properties of MgB_4O_7:Dy,Na TL dosemeters
VI International Conference on Medical Physics--Patras Medical Physics "99"
Abstract No.17, in: Physica Medica Vol. XV, N.3 1999.

12. M. Prokic, G. Kitis and C. Furetta
Dosimetric Characteristics of lithium borate solid TL detectors
VI International Conference on Medical Physics-
Abstract No.18, in: Physica Medica Vol. XV, N.3 1999.

13. Publications 50 were presented to:
European Research Workshop “Archaeometry in Archaeology: New trends”
Rhodes 3-7 November 1999.

14. Publications 57, 58, 59, 60, 61 και 62 were presented to:
13th International Conference on Solid State Dosimetry, Athens Greece, 2001

15. Publications 83 και 84 were presented to:
14th International Conference on Solid State Dosimetry, New Heaven, 2004

16. Publications 85 και 86 were presented to:
11th International Conference on Luminescence and Electron Spin Resonance Dating. Cologne Germany, 2005

17. Publications 92 και 93 were presented to:
10th International Symposium On Radiation Physics. Coibra, Portugal, 2006.

18. Publications 99, 100 και 101 were presented to:
15th International Conference on Solid State Dosimetry, Delft, The Nederland’s, 2007

19. G.S. Polymeris, G. Kitis, A. Sakalis, N.C. Tsirliganis

IRSL dating of a deep water core from Pylos, Greece: comparison to post IR Blue OSL and TL dating results.

37th International Symposium on Archaeometry (ISA37), 2008, Siena, Italy.

(Book of Abstracts)

20. S. Rapti, G.S. Polymeris, D. Afouxenidis, N.G. Kiyak, N.C. Tsirliganis, G. Kitis

Thermally assisted OSL from deep traps in Al_2O_3:C samples exhibiting wide main dosimetric TL peak; comparison with samples exhibiting narrow main TL

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dosimetric peak.

2nd Asia-Pacific Conference on Luminescence and Electron SPIN resonance Dating (APLED2), 12 – 15 November 2009, Ahmedabad, India. (Poster)

21 Publications 114, 115 και 116 were presented to:
7th European Conference on Luminescence Detectors and Transformers of Ionizing Radiation, Krakow, Poland, 2009.

22. Publications 118, 119, 120, 121, και 122 were presented to:
1st LAIS Symposium «Luminescence in Archaeology International symposia» Delphi, Greece, 2009.

23. N.G. Kiyak, G.S. Polymeris, T. Takaoglu, A.E. Erginal, G. Kitis
Dating studies of pottery and sediment materials from prehistoric site of Smintheion with the application of luminescence techniques.
38th International Symposium on Archaeometry (ISA 2010), Tampa Bay, Florida, USA 2010.
(Book of abstracts)

24. D. Afouxenidis, G.S. Polymeris, O.M. Goudouri, E. Kontonasaki, X. Chatzistavrou, N.C. Tsirliganis, K.M. Paraskevopoulos, G. Kitis,.

Thermoluminescence as an experimental tool towards the characterization of bioactive materials; the case of 58S bioactive glass.

Presented to: 23th European Conference on Biomaterials (ESB23), 11-15 September 2010, Tampere, Finland.

25. Publications 148, 149, 150 were presented to:
2st LAIS Symposium «Luminescence in Archaeology International symposia» Lisbon, Portugal, 2013.

5.6 Yellow Report στο CERN

1. **The TARC Collaboration *(Στην οποία συμμετείχα)***
The TARC Experiment (PS211): Neutron-Driven Nuclear transmutation by adiabatic resonance crossing.
Editor J.P. Revol, Geneva 1999.

My own contribution appear at pages 117-125 of the Report, which had been included in the publication catalog.

5.7 International Conferences without peer review

1. G. Kitis, L. Katsetsiadis and S. Charalambous.
The influence of irradiation temperature on the TL response of LiF:Mg,Cu,P
Presented in 10o General Conference of Balkan Physical Union , Thessaloniki 1991.

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2. C. Furetta and G. Kitis
Parametri cinetici del LiF:Mg,Ti (DTG-4)
XXVII Congresso Nazionale AIRP. Taormina, ottobre 1993: Atti 289-294.
Universita di Palermo, marzo 1995

3. C. Furetta and G. Kitis
Some Observations on the TL-Dose response curves
Proceedings of the 1997 International conference on Radiation Dosimetry and Safety
Mar.31-Apr.2, 1997, Taipei, Taiwan, ROC. Page 260--263

5.8 Internal Reports to Radiation Protection at CERN

1. G. Kitis, S. Charalambous and J.W.N Tuyn
Thermoluminescence Response of LiF:Mg,Ti(TLD-100) as a function of irradiation
Temperature for various types of radiation.
CERN/TIS-RP/91-12/4 July 1991

2. G. Kitis, S. Charalambous and J.W.N Tuyn
Tthermoluminescence Response of Heavy Concrete used in the Shielding of the CERN
600 MEV Synchrocyclotron.
CERN/TIS-RP//7 January 1992

3. G. Kitis and J.W.N. Tuyn
Dosimetry in CERN-CEC reference high energy radiation fields using thermoluminescence dosimeters
CERN/TIS-RP/95-13.

4. G. Kitis and J.W.N. Tuyn
Dosimetry in various radiation fields using Cd-Covered and uncovered TLD-600,TLD-700 pairs inside a 25 cm polyethylene sphere
CERN/TIS-RP/97-3.

5. G. Kitis and J.W.N. Tuyn
Dosimetry in CERN-CEC reference high energy radiation fields using TLD-700 TL dosemeters
CERN/TIS-RP/97-1.

6. G. Kitis and J.W.N. Tuyn
Thermal gradient effects on the Thermoluminescence glow-curves
CERN/TIS-RP/97-32.

5.9 Publication in Greek Conferences (In Greek)

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1. Γ. Κίτης, και Σ. Χαλαλάμπους
Απόκριση Θερμοφωταύγειας χαλαζία σαν συνάρτηση της θερμοκρασίας ακτινοβόλησης
Παρουσιάσθηκε στο 3ο Πανελλήνιο συνέδριο Φυσικής Στερεάς Καταστάσεως Πάτρα 1987.
Πρακτικά σελίς 144-146.

2. Γ. Κίτης, Ε. Καλδούδη και Σ. Χαραλάμπους
Απόκριση Θερμοφωταύγειας χαλαζία σαν συνάρτηση της θερμοκρασίας ακτινοβόλησης και δόσης
Παρουσιάσθηκε στο 4ο Πανελλήνιο συνέδριο Φυσικής Στερεάς Καταστάσεως Μαραθώνας Αττικής 1988.
Πρακτικά σελίς 158-161.

3. Γ. Κίτης, Δ. Δεληκώστα και Σ. Χαραλάμπους
Απόκριση Θερμοφωταύγειας χαλαζία σαν συνάρτηση του μεγέθους των κόκκων.
Παρουσιάσθηκε στο 4ο Πανελλήνιο συνέδριο Φυσικής Στερεάς Καταστάσεως Μαραθώνας Αττικής 1988.
Πρακτικά σελίς 194-197.

4. Γ. Κίτης, Κ. Χαριτίδης και Σ. Χαραλάμπους
Ευαισθητοποίηση Θερμοφωταύγειας του LiF(TLD-100) συναρτήσει της θερμοκρασίας ανόπτησης, πρίν, κατά, και μετά την ακτινοβόληση.
Παρουσιάσθηκε στο 5ο Πανελλήνιο συνέδριο Φυσικής Στερεάς Καταστάσεως Ξάνθη 1989.
Πρακτικά σελίς 53-57.

5. Γ. Κίτης, Μ. Σπυροπούλου, Ι. Παπαδόπουλος και Σ. Χαραλάμπους
Φαινόμενα ρυθμού θέρμανσης στο SiO_2 και LiF(TLD-100).
Παρουσιάσθηκε στο 7ο Πανελλήνιο συνέδριο Φυσικής Στερεάς Καταστάσεως Θεσσαλονίκη 1991.
Πρακτικά σελίς 158-161.

6. Γ. Κίτης, Κ. Χαριτίδης και Σ. Χαραλάμπους
Υπεργραμμικότητα της Θερμοφωταύγειας της κορυφής 110^0C ου χαλαζία συναρτήσει του ρυθμού θέρμανσης
Παρουσιάσθηκε στο 8ο Πανελλήνιο συνέδριο Φυσικής Στερεάς Καταστάσεως .. 1992.
Πρακτικά σελίς 345-348.

7. Γ. Κίτης, Κ. Χαριτίδης και Σ. Χαραλάμπους
Ισοθερμική ανάλυση της κορυφής 5 του LiF:Mg,Ti.
Παρουσιάσθηκε στο IX Πανελλήνιο συνέδριο Φυσικής Στερεάς Καταστάσεως Πάτρα 1993.
Πρακτικά σελίς 278-281.

8. Γ. Κίτης, Κ. Χαριτίδης και Σ. Χαραλάμπους

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Υπεργραμμικότητα συναρτήσει της θερμοκρασίας ακτινοβόλησης στον συνθετικό χαλαζία.
Παρουσιάσθηκε στο IX Πανελλήνιο συνέδριο Φυσικής Στερεάς Καταστάσεως Πάτρα 1993.
Πρακτικά σελίς 282-285.

9. Γ. Κίτης, Κ. Χαριτίδης και Σ. Χαραλάμπους
Αναγεννώμενη Θερμοφωταύγεια—Αναγέννηση Φωταύγειας, Σχέση-Προέλευση.
Παρουσιάσθηκε στο X Πανελλήνιο συνέδριο Φυσικής Στερεάς Καταστάσεως Δελφοί 1994.
Πρακτικά σελίς 183-186.

10. Γ. Κίτης, Κ. Χαριτίδης και Σ. Χαραλάμπους
Εξάρτηση της υπεργραμμικότητας της κορυφής 110^{0}C του SiO_2 από τις κορυφές υψηλών θερμοκρασιών.
Παρουσιάσθηκε στο 5ο Πανελλήνιο συνέδριο Φυσικής Στερεάς Καταστάσεως Δελφοί 1994.
Πρακτικά σελίς 187-190.

11. Κ.Ζιούτας,Γ. Κίτης, Κ. Χαριτίδης και Σ. Χαραλάμπους
Επί της δυνατότητος ανίχνευσης ηλιακών αξιονίων μέσω προτρεπομένης φωταύγειας.
Παρουσιάσθηκε στο 5ο Πανελλήνιο συνέδριο Φυσικής Στερεάς Καταστάσεως Δελφοί 1994.
Πρακτικά σελίς 191-194.

12. Γ. Κίτης, Α. Λασκαράκης και J.W.N. Tuyn
Υπεργραμμικότητα της Θερμοφωταύγειας του LiF:Mg,Ti (TLD-700).
Παρουσιάσθηκε στο 13ο Πανελλήνιο συνέδριο Φυσικής Στερεάς Καταστάσεως Θεσσαλονίκη 1997.
Πρακτικά σελίς 607-610.

13. Α. Λιόλιος, Γ. Κίτης, και G.G.Cai
Επίδραση της ατμόσφαιρας ανόπτησης στα χαρακτηριστικά θερμοφωταύγειας του LiF:Mg,Cu,P.
Παρουσιάσθηκε στο 13ο Πανελλήνιο συνέδριο Φυσικής Στερεάς Καταστάσεως Θεσσαλονίκη 1997.
Πρακτικά σελίς 611-614.

14. Κ. Χαριτίδης, Α.Λασκαράκης, Γ. Κίτης και Σ. Χαραλάμπους
Υπεργραμμικότητα συνθετικού χαλαζία: Εξάρτηση από την προ-δόση.
Παρουσιάσθηκε στο 13ο Πανελλήνιο συνέδριο Φυσικής Στερεάς Καταστάσεως Θεσσαλονίκη 1997.
Πρακτικά σελίς 615-618.

15. Κ. Χαριτίδης, Α.Λασκαράκης, Γ. Κίτης και Σ. Χαραλάμπους
Υπεργραμμικότητα συνθετικού χαλαζία: Εξάρτηση από την θερμοκρασία ανόπτησης.
Παρουσιάσθηκε στο 13ο Πανελλήνιο συνέδριο Φυσικής Στερεάς Καταστάσεως

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16. Κ. Χαριτίδης, Α.Λασκαράκης, Γ. Κίτης και Σ. Χαραλάμπους
Υπεργραμμικότητα συνθετικού χαλαζία: Εξάρτηση από τον ρυθμό θέρμανσης.
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Πρακτικά σελίς 623-626.

17. Η. Τάτσης και Γ. Κίτης
Συναρτήσεις ανάλυσης φωτοκαμπυλών θερμοφωταύγειας για μικτή τάξη κινητικής και συνεχή κατανομή παγίδων.
Παρουσιάσθηκε στο XIV Πανελλήνιο συνέδριο Φυσικής Στερεάς Καταστάσεως Ιωάννινα 1998.
Πρακτικά σελίς 213-216.

18. A. K. Liolios, G.S. Polymeris, G. Kitis, N. C. Tsirliganis, K. Zioutas.

Earth's Minerals as time-integrated detectors for Axions.

Hellenic High Energy Physics Symposium (HEP06), 2006, Ioannina, Greece

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5th Hellenic Archaeometry Society Symposium, 2008, Athens, Greece.

20. D. Gogou, G. Kitis, G. S. Polymeris, D. Afouxenidis, S. Rapti, G. I. Dallas, N. C. Tsirliganis.

Thermoluminescence properties of natural and artificially irradiated obsidian.

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Correlation between TL and OSL signals in $KMgF_3$:Ce; bleaching study of individual glow peaks.
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22. G.S. Polymeris, S. Raptis, D. Afouxenidis, N.C. Tsirliganis, G. Kitis.
Thermally assisted photo transfer OSL from deep traps in Al_2O_3:C
XXV Pan-Hellenic Conference on Solid State Physics and Materials Science. Thessaloniki, Greece, 2009.
Book of Abstracts page 84.

23. B. Subedi, D. Afouxenidis, G. S. Polymeris, N. C. Tsirliganis, K. M. Paraskevopoulos, G. Kitis.

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Towards luminescence dating of turquoise gemstone using TL and OSL methods.
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24. D. Afouxenidis, X. Chatzistavrou, G.S. Polymeris, N.C. Tsirliganis, G. Kitis, K.M. Paraskevopoulos.
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25. I.K. Sfamba, G. S. Polymeris, N. Zacharias, G. Kitis, J. Henderson, **"towards answering technological and provenance questions of archaeological glass materials by using luminescence techniques"** , XXVIII PanHellenic Conference on Solid State Physics and Materials Science, Patra, Greece.

26. V. Giannoulatou, I.K. Sfamba, G. S. Polymeris, G. Kitis,
"anomalous fading effect of luminescence signals in five different apatite samples",
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27. I.K. Sfamba, G. S. Polymeris, N. Zacharias, G. Kitis, J. Henderson, **"luminescence as a tool for assisting technological and provenance studies of archaeological glasses"**, 3rd Symposium of Archaeological Research and New Technologies, Kalamata, Greece.

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"analytical and spectroscopical approaches for the holistic characterization of archaeological glasses: the case of blue glasses from messene, greece",
6th Symposium of the Hellenic Society for Archaeometry, May 16-18, 2013, Athens, Greece.

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30. I. Liritzis, V. Aravantinos, G. Polymeris, Agiomarnitis, N. Zacharias, I. Fappas, I. Sfamba, A. Vafiadou, G. Kitis,
"prehistoric delphi: luminescence dating on ceramics and stone from koumoula (livadhi valley, parnassus mountain, delphi, greece)",
6th Symposium of the Hellenic Society for Archaeometry, May 16-18, 2013, Athens, Greece.

31. Sfampa, I.K., Polymeris, G.S.,Tsirliganis, N.C., Pagonis, V., Kitis, G.,
"Prompt Isothermal Decay of Thermoluminescence in a Material Exhibiting Strong Anomalous Fading",
XXIX Panhellenic Conference on Solid State Physics and Materials Science, Athens

32. V. A.Ageli, I.K.Sfampa, G. Kitis, G.S.Polymeris,
"Pre-dose effect in $BaSO_4$ and possibility of zeroing thermoluminescence signal of gypsum by petrifaction: two luminescence features affecting dating of portable paintings through ground layers by using luminescence",
XXIX Panhellenic Conference on Solid State Physics and Materials Science, Athens

33. S.K.Dimitriadis, I.K.Sfampa, G.S.Polymeris, G. Kitis,
"Separating the Contribution of Thermal Activation in the Predose-Effect of Quartz",
XXIX Panhellenic Conference on Solid State Physics and Materials Science, Athens

6. Publications with abstracts

6.1 PhD

Contribution to Thermoluminescence and regenerated thermoluminescence as a function of irradiation temperature.

Aristotle University of Thessaloniki

The main topic of the PhD the study bof the TL response as a function of irradiation temperature. The study was applied to both artifical dosimeters like LiF:Mg,Ti, CaF_2:Dy and $CaSO_4$:Dy as well as to natural metrials as Norwegian quartz, quartz extracted from pottery of various historical periods, annealed quartz and meteorites.

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The regeneration thermoluminescence was investigated to LiF:Mg,Ti and CaF_2:Dy. The irradiation temperature region was from 77 up to 523 K, whereas the dose range was 1-10^4 Gy.

The dependence of the TL response upopn the irradiation temperature is a general effect appearing in many TL materials.The TL glow-curve shape depends on irradiation temperature especial in the high temperature region. The dependence of the high temperature TL peak was more intense in the case of LiF:Mg,Ti and Norwegian quartz, being, additionaly dose dependent. There is a crucial difference between pure Norwegian quartz and quartz extracted from pottery. .

When the pure Norwegian quartz is annealed to very high temperatures then the dependence of its response of on irradiation temperature is significantly decreased.

The TL response of meteorite samples studied do not show an important dependence on irradiation temperature.

6.2. Book

Numerical and Practical Exercises in Thermoluminescence,
V. Pagonis, G. Kitis and C. Furetta., Springer, 2006.

Chapter 1: Presents the most basic Thermoluminescence (TL) analytical expressions which are used for the analysis of experimental data.

Chapter 2: Presnts systematic examples analysis of nexperimental data for TL glow peaks obeying first, second as general orfder kinetics. A detail analysis of numerical data concerning the majority of methods appearing in literature.

Chapter 3: For first time in literature detail exaples are presented for the numerical solution of the systems of differental governing the TL proccess and the comparison of the results with the existing analytical TL expressions commonly used to describe TL mexperimental data.

Chapter 4: Contains numerical exercises for the study of the TL as a function of dose. The models used are that of the most recent literature. All programs are written in MATHEMATIKA in the «modular» mode, which can be used by ane future reader of the book

Chapter 5: Contains many exercises for pracvtical application appearing very often in literature. Some exercises deal with accuracy, prescision and reproducibility of TL measuremets of dosimeterrs. Exercises dealing with the effect of Thermal Quenching and of its implication on TL measurements are also included.

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