

ΚΑΤΑΛΟΓΟΣ ΔΗΜΟΣΙΕΥΣΕΩΝ

A. Πανεπιστημιακές εργασίες – Διατριβές

1. “Μελέτη των Ενεργειακών Καταστάσεων Πολυηλεκτρονικών Υδρογονοειδών Ατόμων για διάφορα Δυναμικά”
Διπλωματική Εργασία, Τμήμα Φυσικής, Εθνικό Καποδιστριακό Πανεπιστήμιο Αθηνών, 1991.
2. “Μοριακή Κινητικότητα και Διαχωρισμός Μικροφάσεων σε Συστήματα Πολυουρεθανών– Μελέτη με Τεχνικές Διηλεκτρικής Φασματοσκοπίας”
Διδακτορική Διατριβή, Τομέας Φυσικής, Τμήμα Εφαρμοσμένων Μαθηματικών και Φυσικών Επιστημών, Εθνικό Μετσόβιο Πολυτεχνείο, 1997.

B. Δημοσιεύσεις σε διεθνή περιοδικά με κριτές

1. A.A. Konsta, P. Pissis, A. Kanapitsas and S. Ratkovic
“Dielectric and Conductivity Studies of the Hydration Mechanisms in Plant Seeds”
Biophysical J., 70, 1485-1493 (1996).
2. P. Pissis and A. Kanapitsas
“Broadband Dielectric Relaxation Spectroscopy at 10^{-4} - 10^{10} Hz”, (review paper),
J. Serb. Chem. Soc, 61(9), 703-715 (1996).
3. A. Kanapitsas, P. Pissis, L. Apekis, L. Karabanova and L. Sergeeva
“Broadband Dielectric relaxation Spectroscopy in Interpenetrating Polymer Networks of Polyurethane-Copolymer of Butylmethacrylate and Dimethacrylate Triethylene Glycol”
Polymer Gels and Networks, 6, 83-102, (1998).
4. Yu.V. Savelyev, E.R. Akhranovich, A.P. Grekov, E.G. Privalko, V.V. Korskanov, V.F. Stompell, V.P. Privalko, P. Pissis and A. Kanapitsas
“Influence of Chain Extenders and Chain End Groups on Properties of Segmented Polyurethanes I. Phase Morphology”
Polymer, 39, 15, 3425-3429, (1998).
5. P. Pissis, A. Kanapitsas, Yu.V. Savelyev, E.R. Akhranovich, E.G. Privalko and V.P. Privalko
“Influence of Chain Extenders and Chain End Groups on Properties of segmented Polyurethanes II. Dielectric Study”
Polymer, 39, 15, 3431-3435, (1998).
6. L. Karabanova, P. Pissis, A. Kanapitsas and E. Lutsyk
“Thermodynamic State, temperature Transitions and Broadband Dielectric Relaxation Spectroscopy in Gradient Interpenetrating Polymer Networks”
J. Appl. Polym. Sci., 68, 161-171, (1998).

7. A. Kanapitsas, P. Pissis, J.L. Gomez Ribelles, M. Monleon Pradas, E.G. Privalko and V.P. Privalko
"Molecular Mobility and Hydration Properties of Segmented Polyurethanes with varying structure of soft and hard chain segments"
J. Appl. Polym. Sci., 71, 1209-1221, (1999).
8. A. Kanapitsas, P. Pissis, and A.G. Estrella
"Molecular Mobility in Polyurethane/Styrene Acrylonitrile Blends Studied by Dielectric Techniques"
Eur. Polym. J., 35, 923-937, (1999).
9. V.P. Privalko, E.G. Privalko, V. Shtompel, A. Kanapitsas, P. Pissis, M.M. Pradas, J-L Ribelles
"Influence of the Structure of Soft and Stiff Chain Fragments on Properties of Segmented Polyurethanes. I Phase morphology"
Polym. Engineering and Sci., 39, 8, 1534-1540, (1999).
10. G. Georgoussis, A. Kanapitsas, P. Pissis, Yu.V. Savelyev, V.Ya. Veselov and E.G. Privalko
"Structure–property Relationships in segmented Polyurethanes with Metal Chelates in the Main Chain",
Eur. Polym. J., 36, 1113-1126, (2000).
11. A. Kanapitsas and P. Pissis
"Dielectric Relaxation Spectroscopy in Crosslinked Polyurethanes based on Polymer Polyols"
Eur. Polym. J., 36, 1241-1250, (2000).
12. P. Pissis, A. Kanapitsas, G. Georgoussis, V. Berhstein, P. Sysel
"Structure-Property Relationships in Novel Hybrid Nanostructured Organic/Organic and Organic/Inorganic Materials"
Uzbek Journal of Physics, Vol. 3, 54-60, (2001).
13. A.S. Vatalis, A. Kanapitsas, C.G. Delides, P. Pissis
"Relaxation Phenomena and Morphology in Polymer Blends based on Polyurethanes investigated by Various Thermal Analysis Techniques"
Thermochimica Acta, 372, 33-38, (2001).
14. A.S. Vatalis, A. Kanapitsas, C.G. Delides, K. Viras, P. Pissis
"Phase Behavior and Molecular Mobility in Polyurethane/Styrene–Acrylonitrile Blends studied by Thermal, Dielectric and Mechanical techniques"
J. Appl. Polym. Sci., 80, 1071-1084, (2001).
15. A. Kanapitsas, P. Pissis, R. Kotsilkova
"Dielectric studies of Molecular Mobility and Phase Morphology in Polymer – Layered Silicate Nanocomposites"

J. Non-Crystalline Solids, 305, 204-211, (2002).

16. P. Pissis, A. Kanapitsas, G. Georgoussis, V.A. Bershtein. P. Sysel
“Dielectric Studies of Phase Morphology and Molecular Mobility in Novel Nanocomposites based on Polyimide”
Advanced Composites Letters, Vol. 11, No. 2, 49-58 (2002).

17. V.A. Bershtein, L.M. Egorova, P.N. Yakushev, O. Meszaros, P. Sysel, L. David, E. Duval, A. Kanapitsas, P. Pissis
“Nanostructure and Molecular Dynamics in Rod-Like Polyimide/Flexible Chain Polyimide Molecular Composites”
J. Macrom. Sci.- Phys B, 41, 419-450, (2002).

18. V.A. Bershtein, L. David, L.M. Egorova, A. Kanapitsas, O. Meszaros, P. Pissis, P. Sysel, P.N. Yakushev
“Structure-Property Relationship in Polyimide Molecular Composites”
Materials Research Innovations, 5, 230-237, (2002).

19. A. Kanapitsas, P. Pissis, C.G. Delides, P. Sysel, V. Sindelar, V.A. Bershtein
“Poly(imide-amide)-Poly(ethylene adipate) Hybrid Networks. II Dielectric Studies”
Polymer, 43, 6955-6963, (2002).

20. Yevgen Mamunya, Athanasios Kanapitsas, Polycarpos Pissis, Gisele Boiteux, Eugene Lebedev
“Water Sorption and Electrical / Dielectric Properties of Organic – Inorganic Polymer Blends”
Macromolecular Symposia, 198, 449-459, (2003).

21. M. Roussos, A. Konstantopoulou, I. Kalogeras, A. Kanapitsas, P. Pissis, Y. Saveliev, A. Vassilikou-Dova
“Comparative Dielectric studies of Segmental Mobility in Novel Polyurethanes”
e-Polymers, no 042, (2004).

22. K. Raftopoulos, I. Zegkinoglou, A. Kanapitsas, S. Kripotou, H. Christakis, A. Vassilikou-Dova, P. Pissis, Y. Saveliev
“Dielectric and Hydration Properties of Segmental Polyurethanes”
e-Polymers, no 043, (2004).

23. H. Zois, A. Kanapitsas, P. Pissis, L. Apekis, E. Lebedev, Y. Mamunya
“Dielectric Properties and Molecular Mobility of Organic/Inorganic Polymer Composites”
Macromolecular Symposia, 205, 263-272, (2004).

24. Ye.P. Mamunya, V.I. Shtompel, E.V. Lebedev, P. Pissis, A. Kanapitsas, G. Boiteux
“Structure and water sorption of polyurethane nanocomposites based on organic and inorganic components”

Eur. Polym. J., 40, 2323-2331, (2004).

25. P. Xynogalas, A. Kanapitsas, V. Constantinou-Kokotou, P. Pissis, K. Viras
“Phase transitions in crystals of racemic long chain 2-amino alcohols”
Chemistry and Physics of Lipids, 135, 83-92, (2005).

26. A. Kanapitsas, E. Lebedev, O. Slisenko, O. Grigoryeva, P. Pissis
“Thermoplastic Apparent Interpenetrating Polymer Networks of Polyurethane and Styrene/acrylic Acid Block Copolymer. Structure – Property Relationships”
Journal of Applied Polymer Science, 101, 1021-35, (2006)

27. A. Kanapitsas, P. Vartzeli-Nikaki, A.A. Konsta, E.-E. Visvardis, E.G. Sideris
“Dielectric Properties during Apoptosis in Peripheral Blood Cells from Chronic Lymphocytic Leukaemia Patients”
IEEE Transactions on Dielectrics and Electrical Insulation 13, No5, 1057-62 (2006)

28. P. Pissis, D. Fragiadakis, A. Kanapitsas, K. Delides
“Broadband Dielectric Relaxation Spectroscopy in polymer nanocomposites”
Macromolecular Symposia 265, 12 (2008)

29. C. Tsonos, I. Stavrakas, C. Anastasiadis, A. Kyriazopoulos, A. Kanapitsas, D. Triantis
“Probing the microstructure of cement mortars through dielectric parameters variation”
Journal of Physical Chemistry of Solids, 70, 576–583, (2009).

30. Y.V. Savelyev, V.Y. Veselov, V.K. Kharitonova, O.A. Savelyeva, V.I. Shtompel, A.I. Perekhrest, T.V. Travinskaya, A. Kanapitsas, P. Pissis
“Synthesis and structural peculiarities of 1,1-dimethylhydrazine-based polyurethanes”
Journal of Applied Polymer Science, 112 (5), 2732, (2009)

31. A. Kanapitsas, C. Tsonos, D. Triantis, I. Stavrakas, C. Anastasiadis, P. Photopoulos, P. Pissis, V.Em. Vamvakas
“Thermally activated conduction mechanisms in Silicon Nitride MIS structures”
Thin Solid Films, 518, 2357, (2010).

32. C. Tsonos, A. Kanapitsas, D. Triantis, C. Anastasiades, I. Stavrakas and P. Pissis
“Low temperature dielectric relaxations in ZnO varistor”
Japp. Journal of Applied Physics, 49 (5 PART 1), pp. 0511021-0511025 (2010)

33. C. Tsonos, A. Kanapitsas, D. Triantis, C. Anastasiadis, I. Stavrakas, E. Neagu, P. Pissis
“Interface states and MWS polarization contributions to the dielectric response of low voltage ZnO varistor”
Ceramics International, 37, 1 207-214, (2011)

34. C. Anastasiadis, A. Kyriazopoulos, A. Kanapitsas, D. Triantis
"Isothermal depolarization currents measurements of cement mortar during hardening process. Commentaries on previous work"
Journal of Physics and Chemistry of Solids, 72, 1554 – 1556, (2011)
35. Christos Tsonos, Athanasios Kanapitsas, Aristides Kechriniotis and Nicholas Petropoulos
"Ac and dc conductivity correlation: the coefficient of Barton–Nakajima–Namikawa relation"
Journal of Non-Crystalline Solids, 358 (14), pp. 1638-1643, (2012)
36. A. Kanapitsas, C. Tsonos, H. Zois, C. G. Delides, G. Psarras,
"Thermal and mechanical characterization of epoxy resin nanocomposites",
Journal of Advanced Physics, vol.2, 25-28, (2013)
37. A. Kanapitsas, C. Tsonos, C. G. Delides, G. C. Psarras
"Thermogravimetric and dielectric study of ER/BaTiO₃/ZnO composites",
Macromolecular Symposia, 331-332, 181-188, (2013).
38. A. C. Patsidis, S. N. Georga, C. A. Krontiras, G. C. Psarras, A. Kanapitsas, C. Tsonos
"Effect of filler size on the thermal properties of ER/BaTiO₃ composites",
Macromolecular Symposia, 331-332, 189–196, (2013).
39. A. Kanapitsas, C. Tsonos, H. Zois, C. Delides, G. C. Psarras
"Thermal and Mechanical Characterization of Epoxy Resin Nanocomposites"
Journal of Advanced Physics, 2, 25 – 28, (2013)
40. C. Tsonos, A. Kanapitsas, G. C. Psarras, Th. Speliotis
"Effect of ZnO nanoparticles on the dielectric/electrical and thermal properties of epoxy-based nanocomposites"
Science of Advanced Materials, 7, 588-597, (2015)
41. C. Tsonos, C. Pandis, N. Soin, D. Sakellari, E. Myrovali, S. Kriptomou, A. Kanapitsas, E. Siores
"Multifunctional nanocomposites of poly(vinylidene fluoride) reinforced by carbon nanotubes and magnetite nanoparticles"
Express Polymer Letters 9(12), 1104-1118, (2015)
DOI 10.3144/expresspolymlett.2015.99
42. A. Kanapitsas, C. Tsonos, G. C. Psarras, S. Kriptomou
"Barium Ferrite/Epoxy Resin Nanocomposite system: Fabrication, Dielectric, Magnetic and Hydration Studies"
Express Polymer Letters, 10(3), 227-236, (2016)
DOI 10.3144/expresspolymlett.2016.21
43. A. Kanapitsas, C. Tsonos, G. Psarras, A. Speliotis, A. Patsidis, E. Siores, D. Triantis
"Magneto-electric response and functionality in barium ferrite/barium titanate/epoxy resin nanocomposites"
Journal of Advanced Physics, Vol. 5, pp. 1–7, (2016)

44. C. Tsonos, G. Tomara, B. Yang, N. Soin, G. Psarras, A. Kanapitsas, E. Siores
“Electromagnetic wave absorption properties of ternary poly(vinylidene fluoride)/magnetite nanocomposites with carbon nanotubes and graphene”
RSC Adv., 6, 1919–1924, (2016)

Γ. Δημοσιεύσεις σε πρακτικά διεθνών συνεδρίων με κριτές

1. L. Apekis, P. Pissis, C. Christodoulides, A. Kanapitsas
“Dielectric Relaxation Spectroscopy in Blends of Polyurethane and Styrene/Acrylonitrile”
Proc. 8th International Symposium on Electrets (ISE 8), J. Lewiner, D. Morisseau, C. Alquie (eds.), IEEE, New York, (1994) p. 363 – 368.
2. C. Maggana, G. Spathis, P. Pissis, A. Kanapitsas, C. Delides, A. Vatalis
“Thermally Stimulated Currents in Epoxy Resin Systems and Epoxy Resin/Rubber Blends”
Proc. 8th International Symposium on Electrets (ISE 8), J. Lewiner, D. Morisseau, C. Alquie (eds.), IEEE, New York, (1994) p. 546 – 551.
3. A.A. Konsta, A. Kanapitsas, J. Laudat and A. Letoublon
“Dynamic of the hydration in plant seeds”
in “Molecular Properties and Chemistry of Biological Systems”, Edizioni dell’ Orso, (1996)
p. 179-184
4. A. Kanapitsas, P. Pissis, A.G. Estrella, M. Ulcnik
“Dielectric Investigations of Microphase Separation in Polyurethane-Styrene/
Acrylonitrile Blends”
Proc. 7th International Conference on Dielectric Materials Measurements and
Applications, IEEE, London, (1996) p. 230-233.
5. P. Pissis, A. Kanapitsas, C. Delides
“Dielectric and Hygrothermal Studies in Rubber Modified Epoxy Resins”
Proc. 7th International Conference on Dielectric Materials Measurements and
Applications, IEEE, London, (1996) p. 56-59.
6. A. Kanapitsas, P. Pissis, L. Karabanova, L. Sergeeva, L. Apekis
“Dielectric Relaxation Spectroscopy in Interpenetrating Polymer Networks”
Proc. 7th International Conference on Dielectric Materials Measurements and
Applications, IEEE, London, (1996) p. 60-63.
7. A. Kanapitsas, P. Pissis, L. Karabanova, K.G. Vyras
“Microphase Separation in Interpenetrating Polymer Networks”
Proc. 5th European Conference on Advanced Materials and Processes and Applications:
Materials, Functionality & Design, Volume 2, Polymers and Ceramics, L. Sarton, H.
Zeedijk (eds.), (1997) p. 191.
8. P. Pissis, A. Kanapitsas, C.G. Delides
“Molecular Mobility and Hygrothermal studies in Rubber Modified Epoxy Resins”
Proc. 5th European Conference on Advanced Materials and Processes and Applications:
Materials, Functionality & Design, Volume 2, Polymers and Ceramics, L. Sarton, H.
Zeedijk (eds.), (1997) p. 195.
9. A.G. Georgakilas, A.A. Konsta, K.S. Haveles, A. Kanapitsas and E.G. Sideris
“Comparative Study of the DNA helix to coil thermal transition by dielectric spectroscopy
and thermal transition spectrophotometry”,
Spectroscopy of Biological Molecules: Modern Trends, Kluwer Academic Editions, (1996)
p. 255-256.

10. L. Karabanova, P. Pissis, E. Lutsyk, A. Kanapitsas
"Broadband Dielectric Relaxation Behavior and Temperature Transitions in Gradient Interpenetrating Polymer Networks"
Proceedings of the International Conference on Polymer Characterization, Polychar-6 & Short Course, University of North Texas, Denton, USA, (1998).
11. G. Georgoussis, A. Kanapitsas, A. Kyritsis, P. Pissis, Yu.V. Savelyev, E.R. Akhranovich, E.G. Privalko and V.P. Privalko
"Structure-property relationship in "charged" segmented polyurethanes"
The 8th Tohwa university international symposium on slow dynamics in complex systems, AIP Conf. Proc. / Volume 469 / Issue 1 doi:10.1063/1.58434 ,15 April 1999 p. 651-652,
12. A. Kanapitsas, A.S. Vatalis, C.G. Delides, E. Neagu, R. Neagu, P. Pissis
"Relaxation Phenomena and Morphology in Polymer Blends based on Polyurethanes Investigated by various Thermal Analysis Techniques"
Proc. 4th Mediterranean Conf. On Calorimetry and Thermal Analysis, G.P.Papanikolaou, G.Parissakis (eds.), (1999).
13. M. Borisova, O. Galukov, A. Kanapitsas
"Polarization Phenomena in Blends of Polyurethane and Styrene-Acrylonitrile"
Proc. 10th Int. Symp. on Electrets (ISE 10), A. Konsta, A. Vassilikou-Dova, K. Vartzeli-Nikaki (eds.), (1999), p. 573.
14. O. Galukov, M. Borisova, A. Kanapitsas, P. Pissis
"Thermally Stimulated Depolarization Currents and Conductivity in Polyurethane/Styrene-Acrylonitrile Blends"
Proc. 10th Int. Symp. on Electrets (ISE 10), A. Konsta, A. Vassilikou-Dova, K. Vartzeli-Nikaki (eds.), (1999), p. 151.
15. A. Kanapitsas, P. Pissis
"Molecular Mobility and Styrene-Acrylonitrile Blends"
Proc. 10th Int. Symp. on Electrets (ISE 10), A. Konsta, A. Vassilikou-Dova, K. Vartzeli-Nikaki (eds.), (1999), p. 485.
16. P. Pissis, A. Kanapitsas, G. Georgoussis, V. Berhstein, P. Sysel
"Structure-Property Relationships in Novel Hybrid Nanostructured Organic/Organic and Organic/Inorganic Materials"
Proceedings of the conference on "Problems of Micro-Structured Hard and Soft Matter Technology and Science", Samarkand Uzbekistan, November 2000.
17. A. Kanapitsas, P. Pissis, R. Kotsilkova, I. Nedkov, S. Stavrev
"Phase morphology and molecular mobility in hybrid nanocomposites".
in: "Composites: From Fundamentals to Advanced Structures" (ed. by V. Kostopoulos), (2001) p. 256-265

18. P. Pissis, A. Kanapitsas, G. Georgoussis, V.A. Bershtein, P. Sysel
“Dielectric studies of phase morphology and mobility in novel nanocomposites based on polyimide”
2nd Hellenic Conference on Composite Materials, HellasComp 2001
In: “Composites: From Fundamentals to Advanced Structures” (ed. by V. Kostopoulos), (2001) p. 284-293
19. R. Kotsilkova, P. Pissis, A. Kanapitsas and S. Rousseva
“Rheological and dielectric measurements of epoxy/smectite hybrids – a tool for evaluation of the molecular dynamics at the nanoscale interfaces”
Proc. 2nd Workshop on Nanotechnology, November 2000, Sofia (Bulgaria)
Nanoscience and Nanotechnology 1, Eds. E.Balabanova, I.Gragieva, Heron Press, Sofia, Bulgaria, (2001) p. 77
20. A. Kanapitsas, P. Pissis, R. Kotsilkova
“Dielectric studies of molecular mobility and phase morphology in polymer – layered silicate nanocomposites”
1st International Conference on Dielectric Spectroscopy in Physical, Chemical and Biological Application (DS 2001), Jerousalem (Israel), March 2001.
21. Ye.P. Mamunya, A. Kanapitsas, P. Pissis, G. Boiteux, E.V. Lebebev
“Water sorption and electrical/dielectric properties of organic-inorganic polymer blends”
7th European Symposium on Polymer Blends, Lyon-Villeurbanne (France), May 2002.
22. M. Roussos, A. Konstantopoulou, I. Kalogeras, A. Kanapitsas, P. Pissis, Y. Saveliev, A. Vassilikou-Dova
“Dielectric studies of segmental mobility in novel polyurethanes”
POLYCHAR-11 World Forum on Polymer Applications & Theory, University of North Texas, Denton (USA), January 2003
23. K. Raftopoulos, I. Zegkinoglou, A. Kanapitsas, S. Kriptomou, H. Christakis, A. Vassilikou-Dova, P. Pissis, Y. Saveliev
“Dielectric and hydration properties of segmental polyurethanes” POLYCHAR-11 World Forum on Polymer Applications & Theory, University of North Texas, Denton (USA), January 2003
24. A. Kanapitsas, H. Zois, P. Pissis, P. Fruebing, R. Gerhard-Multhaupt, A. Triolo, V. Arrighi, M.B. Serrano Prieto, I. McEwen, F. Negroni
“Interfaces and chain dynamics in SBR/silica nanocomposites studied by various techniques”
Composites 2003 (COMP03), Corfu, May 2003
25. D. Fragiadakis, P. Pissis, C. Elie, A. Kanapitsas, R. Kotsilkova, S. Stavrev, I. Nedkov
“Dielectric studies of interfacial phenomena in polymer nanocomposites”
10th International Conference on Mechanics and Technology of Composite Materials, Sofia (Bulgaria), September 2003, p.45

26. P. Pissis, A. Kanapitsas, S. Kryptou, C.G. Delides, A. Vatalis, Ye.P. Mamunya, V.I. Shtompel, E.V. Lebedev, G.Boiteux
"Structure-property relationships in organic-inorganic nanocomposites"
5th Annual National Workshop with International Participation (Nano 2004), Sofia, November 2003
Nanoscience and Nanotechnology 4, Eds. E.Balabanova, I.Gragieva, Heron Press, Sofia, Bulgaria, (2004) p. 213
27. Yevgen Mamunya, Volodymyr Shtompel, Eugene Lebedev, Polycarpos Pissis, Athanasios Kanapitsas, Haralampos Zois, Gisele Boiteux
"Hybrid polymer composites based on organic and inorganic oligomers"
40th IUPAC World Polymer Congress, MACRO 2004, Paris (France), July 4-9, 2004
28. A. Kanapitsas, P. Vartzeli-Nikaki, E.E. Visvardis, E.G. Sideris
"Dielectric Study of the Programmed Cell Death, Apoptosis, in Human Leukemia" 12th International Symposium on Electrets (ISE 12), IEEE eds. J.A. Giakometti, O.N. Oliveira Jr., R.M. Faria, Salvador, Bahia, Brazil, September 2005, p. 497
29. A. Kanapitsas, C. Tsonos, E. Logakis, C. Pandis, P. Pissis, E. Kontou, Y. Mamunya, E.V. Lebedev, C.G. Delides
"PTC effect and structure of polymer composites based on polypropylene/ copolyamide blend filled with dispersed iron"
Proceedings of the International Conference on Microelectronics MIEL 2006, IEEE, Solid State Circuit Society, ISBN 1-4244-0117-8, Beograd (Serbia), May 2006, Vol.2, p. 391
30. E. Logakis, C. Pandis, V. Peoglos, P. Pissis, A. Kanapitsas, J. Pionteck, P. Poetschke, M. Micusic, M. Omastova
"Thermal and electrical properties of polyamide/multi walled carbon nanotubes nanocomposites"
The Nanotechnology conference Nanotech 2007, Nanoscience and Technology, Institute NSTI, Santa Clara, California, USA, May 2007 NSTI-Nanotech 2007 Technical Proceedings ISBN 1420061836, vol.2, (2007) p.96.
31. A. Kanapitsas, E. Logakis, C. Pandis, I. Zuburtikudis, P. Pissis, C.G. Delides, A.S. Vatalis
"Dielectric and thermomechanical properties of polypropylene/multi-walled carbon nanotubes nanocomposites"
Materials Research Series symposium proceedings, vol. 1056, HH11-39 (2008) p.411
32. P. Pissis, D. Fragiadakis, A. Kanapitsas, C.G. Delides
"Broadband Dielectric relaxation Spectroscopy in Polymer Nanocomposites"
17th European Symposium on Polymer Spectroscopy, Seggau, Austria, 2007
Proceedings in Macromolecular Symposia 265, 12, 2008
33. A. Karagounis, A. Kanapitsas, C. Tsonos, H. Zois, P. Chronis, T. Ziovas, A. Polyzos
"A review of test techniques for RFIC's and an application of a proposed approach in a 1.9-GHz CMOs mixer"
Proceedings of the International Conference on Microelectronics MIEL 2008, IEEE, IEEE Solid State Circuit Society, IEEE Electron Devices Society, ISBN 978-1-4244-18817108, Vol.2, (2008) p.443

34. A. Kanapitsas, C. Tsonos, D. Triantis, E. Logakis, C. Pandis, P. Pissis
“Electrical / dielectric and thermomechanical properties of polymer nanocomposites”
1st WSEAS (The World Scientific and Engineering Academy and Society) International
Conference on Nanotechnology, “Nanotechnology 09”, ISBN: 978-960-474-059-8
Cambridge UK, February 2009 p.75.
35. A. Kanapitsas, C. Tsonos, I. Stavrakas, C. Anastasiades, P. Pissis
“Study of electrical properties of silicon nitride film deposited on silicon substrates”
e-mrs spring meeting (Materials Research Society) Strasbourg, France, June 2009.
36. H. Zois, A. Kanapitsas, P. Pissis and Ye.P. Mamunya
“Electrical properties and study of microstructure of polymer composites filled with
dispersed iron particles”
Conference Proceedings of V International Conference on Science and Technology of
Composite Materials (Comatcomp), ISBN: 978-84-692-5483-7 San Sebastian (Spain), 7-9
October (2009) p.215-218
37. H. Zois, A. Kanapitsas, C.G. Delides
“Thermomechanical properties of epoxy resin/MWCNTs nanocomposites”
International Conference NanoTech 2010, vol. I (ISBN: 978-1-4398-3401-5), California
(CA), USA May (2010) p.818-821.
38. A. Karagounis, A. Kanapitsas, B. Kotsos, C. Tsonos, A. Polyzos, E. Petropoulou
“The impact of process faults on specific parameters of a 2.3 GHz CMOS LNA”
Proceedings of the International Conference on Microelectronics MIEL 2010, IEEE, IEEE
Solid State Circuit Society, IEEE Electron Devices Society, ISBN, Vol. 2, (2010) p.299
39. C. Tsonos, A. Kanapitsas, A. Karagounis, I. Stavrakas, D. Triantis, C. Anastasiadis, P.
Photopoulos, V.Em. Vamvakas and P. Pissis
“Probing the electrical properties of the Si Nitride/Si interface”
Proceedings of the International Conference on Microelectronics MIEL 2010, IEEE, IEEE
Solid State Circuit Society, IEEE Electron Devices Society, ISBN, Vol.2, (2010) p.465
40. H. Zois, A. Kanapitsas, C.G. Delides
“Influence of carbon nanoparticles on thermogravimetric properties of epoxy
nanocomposites”
Proceedings of the International Conference NSTI-NanoTech 2011, vol. I (ISBN: 978-1-
7142-3), Anaheim California (CA), USA May (2011) p.558-561.
41. H. Zois, A. Kanapitsas, A.Z. Stimoniaris and C.G. Delides
“Thermal and Thermomechanical Properties of Epoxy Resin / Carbon Black
Nanocomposites”
Proc. NSTI-NanoTech2012 Conference, Santa Clara, CA (USA) 2012. ISBN: 978-1-4665-
6274-5, vol. I, p. 582-585

42. H. Zois, A.Z. Stimoniari, A. Kanapitsas and C.G Delides
“Influence of Nanoclay’s Incorporation on Mechanical and Thermogravimetric Properties of ER/MWCNT Composites”
Proc. NSTI-NanoTech2013 Conference, Washington DC (USA) 2013. p.63-66
43. H. Zois, E. Patargia, A. Kanapitsas, A.Z. Stimoniari and C.G. Delides
“Thermomechanical Properties of Epoxy Resin / Carbon Nanotubes / Clay Nanocomposites”
Proc. NSTI-Nanotech 2014, www.nsti.org, ISBN 1482258264 Vol.1, 2014, p. 400-403
- 44.H. Zois, A. Kanapitsas, C. Tsonos, G. Tsonos, N. Alexis, A. Kechriniotis, C. Pandis, S. Kriptomou, A. Georgakilas, C. Delides, G. Psarras
“Thermogravimetric study of ER/BaTiO₃/ZnO hybrid nanocomposites”
9th Hellenic Polymer Society Conference, New Polymeric Materials & Applications: A Development Initiative for New Business Opportunities in Greece
29 November – 1 December 2012, CERTH, Thessaloniki, Greece
45. H. Zois, A. Kanapitsas, C. Tsonos, G. Tsonos, E. Patargia, A. Karagounis, N. Petropoulos, D. Sakellari, E. Siores, G.Psarras
“Thermal properties of epoxy resin-titanium carbide nanocomposites”
9th Hellenic Polymer Society Conference, New Polymeric Materials & Applications: A Development Initiative for New Business Opportunities in Greece
29 November – 1 December 2012, CERTH, Thessaloniki, Greece
46. A. Patsidis, E. Karoutsos, A. Vradis, C. Topraktsioglou, S. Georga, C. Krontiras, G. Psarras, H. Zois, A. Kanapitsas, C. Tsonos, G. Tsonos, E. Moschopoulou, S. Thanos, A. Speliotis
“Effect of filler size on the thermal and dielectric properties of ER/BaTiO₃ composites”
9th Hellenic Polymer Society Conference, New Polymeric Materials & Applications: A Development Initiative for New Business Opportunities in Greece
29 November – 1 December 2012, CERTH, Thessaloniki, Greece
47. A. Patsidis, A. Kanapitsas, G. Tsonos, G. Psarras
“Barium Titanate- Epoxy Resin Nanocomposites: Development, Dielectric Response, Functionality and Energy Storage”
5th International Conference on Structural Analysis of Advanced Materials, ICSAAM 2013
23 - 26 September 2013, Island of Kos, Greece
48. D. Triantis, I. Stavrakas, G. Hloupis, K. Moutzouris, P. Photopoulos
“Study of the influence of the filler concentration on electrical energy storage in ZnO or TiO₂/Epoxy resin composites”
European Materials Research Society (E-MRS) 2013 Spring Meeting
27 – 31 May 2013, Strasbourg, France
Abstracts Book p. X.P.36
49. C. Tsonos, A. Kanapitsas, G. Psarras, E. Moschopoulou, S. Thanos, A. Speliotis
“Dielectric and thermal response of ZnO/epoxy resin nanocomposites”

7th International Discussion Meeting on Relaxations in Complex Systems: New results,
Directions and Opportunities
21 – 26 July 2013, Barcelona, Spain
Abstracts book p.126

50. A. Kanapitsas, C. Tsonos, G. Psarras
“Thermal and Dielectric functional properties of epoxy resin-titanium carbide
nanocomposites”
7th International Discussion Meeting on Relaxations in Complex Systems: New results,
Directions and Opportunities
21 – 26 July 2013, Barcelona, Spain
Abstracts book p.127

51. G. Psarras, A. Kanapitsas, C. Tsonos
“Zinc Titanate/Epoxy Resin Nanodielectrics: Morphology, Dielectric Response and
Energy Storage”
8th International Conference on Surfaces, Coatings and NanoStructured Materials,
NANOSMAT
22-25 September 2013, Granada, Spain
Abstracts book p.545

52. A. Speliotis, E. Moschopoulou, S. Thanos, A. Kanapitsas, C. Tsonos, G. Psarras
“Dielectric and Magnetic Properties of Barium Ferrite/Epoxy resin nanocomposite”
2nd USA International Conference on Surfaces, Coatings and NANOStructured MATerials,
NANOSMAT USA
19-22 May 2014, Rice University, Houston, USA
Abstracts book p.274-275

53. A. Patsidis, A. Kanapitsas, C. Tsonos, G. Psarras
“The Barium Titanate Nano- and/or Micro- Polymer Composites: Development,
Characterization, and Energy Storage”
9th International Conference on Surfaces, Coatings and Nanostructured Materials,
NANOSMAT
8-11 September 2014, Trinity College Dublin, Ireland
Abstracts book p.151-152

54. G. Tomara, C. Tsonos, A. Kanapitsas, G. Psarras
“Development, Characterization, and Energy Storage of Polar Oxides/Polymer Matrix
Nanodielectrics”
9th International Conference on Surfaces, Coatings and Nanostructured Materials,
NANOSMAT
8-11 September 2014, Trinity College Dublin, Ireland
Abstracts book p.152-153

55. S. Kripotou, A. Kanapitsas, C. Tsonos, G. Psarras
“Study of water sorption dynamics in Epoxy resin/Barium Ferrite nanocomposites”
10th Hellenic Polymer Society Conference (with international participation)
4 - 6 December 2014, Patras, Greece
Abstracts book p. 290-291

56. Haralampos Zois, Adamos Stimoniari, Athanasios Kanapitsas, Michael A. Karakassides,
Constaninos Delides
“Epoxy Resin/Fly Ash Composites: The Effect of Ultrasonication on the Dispersion and Deaggregation of the Filler and on the Thermomechanical Properties”
10th Hellenic Polymer Society Conference, 4-6 December, Patra, Greece, 2014.
Abstracts book p. 323-326
- 57 S. Kripotou, A. Kanapitsas, C. Tsonos, G. Psarras
“Dielectric and Functional Properties of Polymer Matrix/ZnO/BaTiO₃ Hybrid Nano-Composites”
4th International Conference on Multifunctional, Hybrid and Nanomaterials
9 - 13 March 2015, Sitges, Spain
Abstracts book OB.04.01
58. S. Kripotou, A. Kanapitsas, C. Tsonos, G. Psarras
“Dielectric Response, Functionality and Energy Storage in Perovskite Type Ceramics/Epoxy Resin Nanodielectrics”
4th International Conference on Multifunctional, Hybrid and Nanomaterials
9 - 13 March 2015, Sitges, Spain
Abstracts book P3.158
59. A. Georgakilas, S. Kripotou, A. Kanapitsas, C. Tsonos, G. Psarras
“Epoxy Resin/Barium Ferrite (BaFe) nanocomposites: A study of water sorption dynamics”
Eurofillers Polymer Blends 2015
26 – 30 April 2015, Montpellier, France
Abstracts book p.52
60. G. Tomara, G. Psarras, A. Kanapitsas, C. Tsonos
“ZnO/epoxy resin and BaTiO₃/epoxy resin nanocomposites: Development, Electrical characterisation and Relaxation dynamics”
Frontiers in Polymer Science
20-22 May 2015, Riva del Garda, Italy
Abstracts 401-500, [P3-089], p.79
61. G.C. Psarras, A. Kanapitsas, C. Tsonos
“Ceramic Particles/Epoxy Resin Nanodielectrics: Development, Dielectric Response and Functionality”
10th International Conference on Surfaces, Coatings and Nanostructured Materials, NANOSMAT
13-16 September 2015, Manchester, UK
Abstracts Book p. 195
62. C. Tsonos, E. Siores, A. Kanapitsas, G.C. Psarras, Th. Speliotis
“Electrical and Dielectric Response of PVDF/CNT/Fe₃O₄ Nanocomposites”
10th International Conference on Surfaces, Coatings and Nanostructured Materials, NANOSMAT

13-16 September 2015, Manchester, UK
Abstracts Book p. 116

63. A. Kanapitsas, C. Tsonos, G.C. Psarras, Th. Speliotis, D. Triantis
“Barium Ferrite/Barium Titanate/Epoxy Resin Hybrid
Nanocomposites: Development, Characterization and
Energy Storage”
10th International Conference on Surfaces, Coatings and Nanostructured Materials,
NANOSMAT
13-16 September 2015, Manchester, UK
Abstracts Book p. 113

64. C. Tsonos, E. Siores, A. Kanapitsas, G.C. Psarras
“Multifunctionality of Fe₃O₄-CNT and Fe₃O₄- Graphene Embedded PVDF
Nanocomposites”
10th International Conference on Surfaces, Coatings and Nanostructured Materials,
NANOSMAT
13-16 September 2015, Manchester, UK
Abstracts Book p. 115

65. A. Kanapitsas, C. Tsonos, G. Psarras, Th. Speliotis
“Barium Ferrite/Barium Titanate/Epoxy Resin Hybrid Nanocomposites: study of
properties and functionality”
International Conference ‘Science in Technology’ SCinTE 2015
T.E.I. of Athens, 5-7 November, Athens, Greece
SCinTE-128-A04/073.

66. I. Stavrakas, D. Triantis, P. Photopoulos, A. Kanapitsas and
C. Tsonos,
“Thermally stimulated discharge current (TSDC) characteristics in PVDF-graphene
Nanocomposites”
T.E.I. of Athens, 5-7 November, Athens, Greece
SCinTE-105-A04-223

Δ. Ανακοινώσεις σε συνέδρια (μετά απο κρίση εκτενών περιλήψεων)

1. P. Pissis, A. Kanapitsas

“Dielectric Relaxation Spectroscopy in Rubber Modified Epoxy Resins”

2nd International Discussion Meeting on Relaxations in Complex Systems, Alicante (Spain), 1993.

2. P. Pissis, L. Apekis, C. Christodoulides, A. Kanapitsas, G.M. Tsangaris, A. Kyritsis, R. Pelster

“Dielectric Studies in Metall-Filled Composites”

2nd International Discussion Meeting on Relaxations in Complex Systems, Alicante (Spain), 1993.

3. P. Pissis, A.A. Konsta, A. Kanapitsas

“Water Induced Mobility in Seeds”

2nd International Discussion Meeting on Relaxations in Complex Systems, Alicante (Spain), 1993.

4. A. Kanapitsas, P. Pissis, L. Apekis, C. Christodoulides, A. Kyritsis

“Water Diffusion and Sorption Effects in Polyurethane and Polyurethane Blends”

Polymat '94, Institute of Materials, Imperial College, London, 1994.

5. P. Pissis, A. Kanapitsas, C. Delides, A. Vatalis

“Dielectric Relaxation Spectroscopy in Rubber Modified Epoxy Resins”

Polymat '94, Institute of Materials, Imperial College, London, 1994.

6. A. Anagnostopoulou-Konsta, P. Pissis, A. Kanapitsas, S. Ratkovic

“Dielectric and Conductivity Studies of the Hydration Mechanisms in Plant Seeds”

3rd Joint Greek-Italian meeting on Chemistry of Biological Systems and Molecular Chemical Engineering, Ioannina, 1994.

7. A. Kanapitsas, P. Pissis, A.G. Estrella, M. Ulcnik

“Dielectric Investigation of Microphase Separation in Polyurethane – Styrene/Acrylonitrile Blends”

6th European Polymer Federation (EPF) Symposium on Polymer Materials, Crete, 1996.

8. P.Pissis, A. Kanapitsas

“Broadband Dielectric Relaxation Spectroscopy in Polymers”

12th European Symposium on Polymer Spectroscopy, Lyon, 1996

9. A. Kanapitsas, P. Pissis, L. Apekis, L. Karabanova

“Dielectric Relaxation Spectroscopy in Interpenetrating Polymer Networks”

12th European Symposium on Polymer Spectroscopy, Lyon, 1996.

10. A. Kanapitsas, S. Melissari, P. Pissis, O. Dukh, L. Matejka
“Phase morphology and molecular mobility in epoxy - silica hybrid nanocomposites”
Euresco International Conference on “Complex Polymer Structures”, Helsinki (Finland), August 2001.
11. S. Kripotou, A. Kanapitsas, P. Pissis, P. Sysel, R. Hodzova, V. Bershtein, L. Egorova
“Structure/property relationships in hybrid composites studied by dielectric and thermal techniques”
Euresco International Conference on “Complex Polymer Structures”, Helsinki (Finland), August 2001.
12. A. Kanapitsas, V. Bershtein, P. Pissis, L. David
“Anomalous dynamics and nanostructure of polyimide molecular composites”
4th International Discussion Meeting on Relaxations in Complex Systems (IDMRCS), Creta (Greece), June 2001
13. A. Kanapitsas, S. Melissari, P. Pissis, O. Dukh, L. Matejka
“Dielectric studies of molecular mobility and phase morphology in epoxy - silica hybrid nanocomposites”
4th International Discussion Meeting on Relaxations in Complex Systems (IDMRCS), Creta (Greece), June 2001.
14. S. Kripotou, A. Kanapitsas P. Pissis, P. Sysel
“Polydimethylsiloxane/Polyimide composites studied by dielectric and thermal techniques”
4th International Discussion Meeting on Relaxations in Complex Systems (IDMRCS), Creta (Greece), June 2001.
15. Ye.P. Mamunya, A. Kanapitsas, P. Pissis, G. Boiteux, E.V. Lebebev
“Water sorption and electrical/dielectric properties of organic-inorganic polymer blends”
7th European Symposium on polymer blends, Lyon-Villeurbanne (France), May 2002.
16. I. Zegkinoglou, K. Raftopoulos, A. Kanapitsas, S. Kripotou, P. Pissis, A. Vassilikou-Dova, Yu. Saveliev
“Dielectric and water sorption/diffusion studies in polyurethanes”
2nd International Conference on “Broadband Dielectric Spectroscopy and its Applications” (IDS & DPR), Leipzig (Germany), September 2002.
17. A. Konstantopoulou, M. Roussos, I. Kalogeras, A. Kanapitsas, P. Pissis, Yu. Saveliev, A. Vassilikou-Dova
“Comparative dielectric relaxation spectroscopy and thermally stimulated depolarisation currents studies of segmental mobility in polyurethanes”
2nd International Conference on “Broadband Dielectric Spectroscopy and its Applications” (IDS & DPR), Leipzig (Germany), September 2002.
18. A. Kremmer, P. Frubing, W. Neumann, R.G. Mulhaupt, A. Kanapitsas, P. Pissis

“Dielectric relaxation spectroscopy on ferroelectric Polyamide-11 films”
2nd International Conference on “Broadband Dielectric Spectroscopy and its Applications” (IDS & DPR), Leipzig (Germany), September 2002.

19. A. Kanapitsas, H. Zois, P. Pissis, P. Frubing, R.G. Mulhaupt, A. Triolo, V. Arrighi, M.B. Prieto, I. McEwen, F. Negroni
“Molecular mobility in SBR/silica nanocomposites studied by various techniques”
2nd International Conference on “Broadband Dielectric Spectroscopy and its Applications” (IDS & DPR), Leipzig (Germany), September 2002.

20. D. Frangiadakis, M. Bouga, S. Kripotou, A. Kanapitsas, P. Pissis, P. Frubing, R.G. Mulhaupt
“Dielectric studies and water sorption/diffusion measurements in Nylon-12”
2nd International Conference on “Broadband Dielectric Spectroscopy and its Applications” (IDS & DPR), Leipzig (Germany), September 2002.

21. A. Kanapitsas, A.A. Konsta, E.E. Visvardis, E.G. Sideris
“Following up dielectrically detected early radiation induced damage in situ within human cells”
7th International Conference on Properties and Applications of Dielectric Materials, IEEE, Nagoya Aichi (Japan), June 2003

22. A. Kanapitsas, A.A. Konsta, P. Pissis, X. Zois, Y. Mamunya, A. Vatalis, C.G. Delides, K. Vyras
“Molecular mobility in organic / inorganic polymer nanocomposites studied by various techniques”
Materials 2003, II International Materials Symposium (II IMS), Lisboa (Portugal), April 2003 p.199

23. A. Kanapitsas, A.A. Konsta, E.E. Visvardis, E.G. Sideris
“Following up evolution of dielectrically detected damage within human cells, by labeling biomaterials with fluorescent adducts”
Materials 2003, II International Materials Symposium (II IMS), Lisboa (Portugal), April 2003

24. A. Kanapitsas, A.A. Konsta, E.E. Visvardis, E.G. Sideris
“Following up dielectrically detected early radiation induced damage in situ within human cells”
7th International Conference on Properties and Applications of Dielectric Materials, IEEE, Nagoya Aichi (Japan), June 2003

25. H. Zois, A. Kanapitsas, P. Pissis, E. Lebedev, Y. Mamunya
“Dielectric properties and molecular mobility of organic/inorganic polymer composites”
15th European Symposium on Polymer Spectroscopy (ESOPS 15), Crete, June 2003.

26. A. Kanapitsas, G. Polizos, P. Pissis, E. Lebedev, O. Slisenko, O.P. Grigoryeva

“Dielectric studies of molecular dynamics in thermoplastic interpenetrating polymer networks”

3rd International Conference on Broadband Dielectric Spectroscopy and its Applications, Delft (The Netherlands), August 23-26, 2004, p. 126.

27. P. Pissis, A. Kanapitsas, Ye.P. Mamunya, V.I. Shtompel, E.V. Lebedev, G. Boiteux
“Nanostructure-properties relationships in organic-inorganic nanocomposite hydrogels”
2nd NANOFUN-POLY Workshop on “Responsive Polymers, Gels and Networks. Characterization of their Structure, Properties and Applications” and “Structure and properties of functional coatings. Characterization of their surfaces”, areas of excellence «Applications» and «Nanostructure-Property relationships», Madrid (Spain), March 2005

28. C.G. Delides, A. Vatalis, E. Logakis, C. Pandis, A. Kanapitsas, A. Kyritsis, V. Peoglos, A. Spanoudaki, P. Pissis
“Polymer blends, composites and nanocomposites for antistatic applications”
Macro 2006 – 41st International Symposium on Macromolecules, Rio de Janeiro, (Brazil), July 2006.

29. Y. Mamunya, E.V. Lebedev, G. Boiteux, G. Seytre, P. Alconffe, F. Melis, M. Logakis, C. Pandis, P. Pissis, A. Kanapitsas
“Relations structure-proprietés dans des composites polymères conducteurs à effet CTP”
MADICA 2006, Mandhia Palace (Tunisie), October 2006

30. A. Kanapitsas, C. Tsonos, Y. Mamunya, E.V. Lebedev, E. Logakis, C. Pandis, P. Pissis, E. Kontou, G. Boiteux, G. Seytre, C.G. Delides
“Dielectric properties and structure of polymer blends filled with dispersed iron”
4th Conf. Int. Dielectric Society and 9th Int. Conf. of Dielectric and Related Phenomena IDS & DRP 2006, Lodz, (Poland), 2006, p.205

31. A.Z. Stimoniaris, A.S. Vatalis, C.G. Delides, A. Kanapitsas, P. Pissis
“Dielectric and mechanical studies of epoxy resin filled with carbon black subjected to various curing conditions”
The Int. Conf. on Structural Analysis of Advanced Materials, September 2007, Patras, Greece, ICSAM-2007, p. 84

32. C.G. Delides, I. Zuburtikudis, A. Kanapitsas, E. Logakis, C. Pandis, A.S. Vatalis, P. Pissis
“Structure–electromechanical properties of PP/MW CNTs nanocomposites”
The Int. Conf. on Structural Analysis of Advanced Materials, September 2007, Patras, Greece, ICSAM-2007, p. 222

33. E. Logakis, C. Pandis, A. Kanapitsas, V. Peoglos, P. Pissis, J. Pionteck, P. Poetschke, M. Micusic, M. Omastova
“Thermal transitions and electrical properties of polyamide/carbon nanotubes Nanocomposites”

The Int. Conf. on Structural Analysis of Advanced Materials, September 2007, Patras, Greece, ICSAM-2007, p. 242

34. H. Zois, A. Kanapitsas, L. Apekis, P. Pissis, C. Tsonos, M. Mravcakova, M. Omastova

“Electrical properties and thermal transitions of polypropylene/polypyrrole/montmorillonite nanocomposites”

A Materials Science Forum, MATERIAIS 2007, April, Porto, Portugal, ISBN 978-972-8953-15-7, p. 303

35. A. Kanapitsas, C. Tsonos, P. Pissis, E. Logakis, E. Kontou, C. Pandis, Y. Mamunya, E.V. Lebedev, G. Boiteux, G. Seytre, C.G. Delides

“Structure-property relationships in polymer blends filled with dispersed iron”

A Materials Science Forum, MATERIAIS 2007, April, Porto, Portugal, ISBN 978-972-8953-15-7 p.404

36. C. Tsonos, A. Kanapitsas, I. Stavrakas, C. Anastasiadis, D. Triantis

“Dielectric properties of cement mortar at low humidity environment”

A Materials Science Forum, MATERIAIS 2007, April, Porto, Portugal, ISBN 978-972-8953-15-7 p.450

37. A. Kanapitsas, C. Tsonos, I. Stavrakas, C. Anastasiadis, D. Triantis, E. Neagu, P. Pissis

“Dielectric relaxation of ZnO varistor”

5th Int. Conf. on Broadband Dielectric Relaxation Spectroscopy and its Applications, BDS 2008, Lyon, France, August 2008, p.60.

38. A. Kanapitsas, E. Logakis, C. Pandis, C.G. Delides, I. Zuburtikudis, P. Pissis

“Dielectric and thermal characterization of multiwalled carbon nanotubes reinforced polyamide 6 nanocomposites”

Nanotech 2008, NSTI, Boston MA, USA, June 2008

39. A. Kanapitsas, E. Logakis, C. Pandis, C.G. Delides, I. Zuburtikudis, P. Pissis, A.S. Vatalis

“Thermal and electrical characterization of multiwalled carbon nanotubes reinforced polypropylene nanocomposites”

Materials Research Society 2008 Spring Meeting, San Francisco, California, March 2008, Symposium R.3.2

40. A. Patsidis, G.C. Psarras, A. Kanapitsas, C. Tsonos

“Polymer matrix-BaTiO₃ composites: Thermal, mechanical and electrical characterization”

14th ICTAC – International Congress on Thermal Analysis and Calorimetry, Sao Pedro, Brazil, September 2008.

41. H. Zois, A. Kanapitsas, P. Pissis, L. Apekis, E.V. Lebedev, Ye.P. Mamunya
“Electrical properties and structural investigation of iron-filled polymer composites”
Int. Conf. On Science and Technology of Synthetic Metals, Pernambuco, Brazil, July 2008
42. H. Zois, A. Kanapitsas, L. Apekis, P. Pissis, Y. Mamunya
“Microstructural characterization, electrical properties and study of PTC effect of metal-filled polymer composites”
Polychar 17 – World Forum on Advanced Materials, Rouen France, April 2009
43. A. Kanapitsas, H. Zois, P. Pissis and Ye.P. Mamunya
“Electrical/dielectric properties and morphological studies of polymer composites based on polypropylene/co-polyamide blend”
European Polymer Congress (EPF 09), Graz (Austria), 12-17 July 2009
44. A. Kanapitsas, E. Logakis, C. Pandis, P. Pissis, N. Jovic, V. Djokovic
“Electrical/dielectric properties and conductivity mechanism of epoxy/expanded graphite composites”
American Physical Society (APS) March Meeting, Session: Polymer Physics/Phase Transitions/ General Theory/ Insulators and Dielectrics/ Semiconductors, Pittsburg, Pennsylvania, USA, March 2009.
45. A. Kanapitsas, H. Zois, C.G. Delides
“Thermomechanical properties and thermal stability of polymer nanocomposites based on epoxy resin matrix”
9th Mediterranean Conference on Calorimetry and Thermal Analysis, France, June 2009
46. C. Tsonos, A. Kanapitsas, E. Neagu, I. Stavrakas, C. Anastasiades, D. Triantis, P. Pissis
“Dielectric response of ZnO-based varistor”
6th International Discussion Meeting on Relaxations in Complex Systems, IDMRCS 2009, Rome, Italy, (2009).
47. C. Tsonos, A. Kanapitsas, H. Zois, G.C. Psarras
“Investigation of dielectric relaxations and thermal properties in epoxy resin-TiO₂ composites”
10th International Workshop on Non-Crystalline Solids (IWNCS), Barcelona (Spain), 21-23 April 2010
48. H. Zois, A. Kanapitsas, Ye.P. Mamunya
“Electrical/dielectric properties and study of PTC effect of polymer composites with metal inclusions”
International Workshop “Structural & functional characterization of complex materials”, Chalkidiki (Greece), 3-5 June 2010

49. H. Zois, A. Kanapitsas, C.G. Delides
“Thermomechanical properties of epoxy resin/MWCNTs nanocomposites”
International Conference NanoTech 2010, California (USA), 21-25 June 2010
50. H. Zois, A. Kanapitsas, C.G. Delides
“Thermal stability and degradation behaviour of epoxy resin/carbon black nanocomposites”
6th International Conference on Modification, Degradation and Stability of Polymers (MoDeSt 2010), Athens (Greece), 5-9 September 2010
51. A. Kanapitsas, H. Zois, C.G. Delides
“Thermomechanical characterization of epoxy nanocomposites containing carbon black or carbon nanotubes”
International Conference on Progress in Durability Analysis of Composite Systems (DURACOSYS 2010), Patras (Greece), 12-15 September 2010
52. A. Kanapitsas, C. Tsonos, H. Zois and G.C. Psarras
“Dielectric response and thermal properties of epoxy resin–TiO₂ composites”
18th European Symposium on Polymer Spectroscopy (ESOPS-18), Zadar (Croatia), 19-22 September 2010
53. H. Zois, A. Kanapitsas, A.Z. Stimoniaris, C.G. Delides
“Characterization of epoxy-based nanocomposites by thermomechanical techniques”
10th Mediterranean Conference on Calorimetry and Thermal Analysis (MEDICTA 2011), Porto (Portugal), 24-27 July 2011
- 54 H. Zois, A. Kanapitsas, A.Z. Stimoniaris, C.G. Delides
“Degradation Behavior and Thermal Stability Properties of Epoxy Resin/Carbon Black Nanocomposites”
International Conference Eurofillers 2011, Dresden (Germany), 21-25 August 2011.
D.Triantis, A. Kanapitsas, C. Tsonos, G. C. Psarras, “Polar Oxides/Epoxy Resin Hybrid Composites: Thermal, Electrical and Functional Behaviour”, E-MRS Spring Meeting, Strasbourg, France, (2013).
55. Th. Speliotis, E. G. Moshopoulou, S. Thanos, A. Kanapitsas, C. Tsonos, G. C. Psarras, "Barium Ferrite/Epoxy Resin Nanocomposite as a Multifunctional Nanomaterial System: Development, Dielectric Response, Magnetic Properties and Energy Storage", 5th International Conference on Structural Analysis of Advanced Materials (ICSAAM), Kos, Greece (2013).
56. C.Tsonos, A. Kanapitsas, G.C. Psarras, E.G. Moshopoulou, S. Thanos, Th. Speliotis, “Dielectric and thermal response of ZnO/epoxy resin nanocomposites”, 7th International Discussion Meeting on Relaxations in Complex Systems, Barcelona, Spain, (2013).

57. A.Kanapitsas, C.Tsonos, G.C. Psarras, "Thermal and dielectric functional properties of epoxy resin-titanium carbide nanocomposites", 7th International Discussion Meeting on Relaxations in Complex Systems, Barcelona, Spain, (2013).
58. D.Triantis, I. Stavrakas, K. Moutzouris, T.G. Maliaros, G. C. Psarras, A. Kanapitsas, C. Tsonos, "Influence of the TiO₂ filler concentration in polymer matrices on the energy storage using Isothermal Depolarization Currents", International Congress on Materials and Renewable Energy, Athens, Greece, (2013).
59. G.C.Psarras, A. Kanapitsas, C. Tsonos, "Zinc Titanate/Epoxy Resin Nanodielectrics: Morphology, Dielectric Response and Energy Storage", 8th International Conference on Surfaces, Coatings and Nanostructured Materials (NANOSMAT), Granada, Spain, (2013).
60. A.C. Patsidis, A.Kanapitsas, C.Tsonos, G.C. Psarras, "Barium Titanate- Epoxy Resin Nanocomposites: Development, Dielectric Response, Functionality and Energy Storage", 5th International Conference on Structural Analysis of Advanced Materials (ICSAAM), Kos, Greece (2013).

Ε. Ανακοινώσεις σε εθνικά συνέδρια

1. Π. Πίσσης, Α. Κυρίτσης, Α. Καναπίτσας, Λ. Απέκης, Κ. Χριστοδουλίδης
"Διηλεκτρική Φασματοσκοπία σε νέα σύνθετα υλικά με μεταλλικά εγκλείσματα"
Πρακτικά VIII Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Ιωάννινα 1992.
2. Λ. Απέκης, Π. Πίσσης, Χ. Τσώνος, Α. Καναπίτσας
"Μελέτη Κραμάτων Πολυουρεθάνης και Στυρενίου/Ακρυλονιτριλίου με Διηλεκτρική Φασματοσκοπία"
Πρακτικά 3ο Πανελλήνιο Συνέδριο Πολυμερών, 1993.
3. Α. Καναπίτσας, Α. Maestegui, Π. Πίσσης, Κ. Βύρας
"Σχέση Δομής – Ιδιοτήτων Ενυδατωμένου PVAc"
Πρακτικά 3ο Πανελλήνιο Συνέδριο Πολυμερών, 1993.
4. Α.Α. Κώνστα, Π. Πίσσης, Α. Καναπίτσας, Α. Letoublon
"Διηλεκτρική Μελέτη των Μηχανισμών Υδάτωσης Σπόρων Φυτών"
Πρακτικά Χ Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Δελφοί 1994.
5. Α. Καναπίτσας, Π. Πίσσης
"Διαχωρισμός Φάσης σε Συμπολυμερή Πολυουρεθανών"
Πρακτικά Χ Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Δελφοί 1994.
6. Α. Καναπίτσας, Π. Πίσσης, Λ. Απέκης
"Διηλεκτρική Φασματοσκοπία σε Διαπλεκόμενα Πολυμερικά Πλέγματα"
Πρακτικά XI Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Ξάνθη 1995.
7. Α.Γ. Γεωργακίλας, Ε.Γ. Σιδέρης, Α. Κώνστα, Α. Καναπίτσας, Χ. Τσώνος

“Έντοπισμός Στερεοδιαταξικών και Ενεργειακών Αλλαγών στη Διπλή Έλικά Ακτινοβολημένου DNA με τις Μεθόδους της Διηλεκτρικής Φασματοσκοπίας και Φασματομετρίας Θερμικής Μεταπτώσεως”
Πρακτικά XII Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Ηράκλειο 1996.

8. Γ. Γεωργούσης, Α. Καναπίτσας, Α. Κυρίτσης, Π. Πίσσης
“Μελέτη του Φαινομένου του Διαχωρισμού Φάσεων σε Τμηματικές Πολυουρεθάνες και της Επίδρασης της Χημικής Σύστασης των Επεκτατών Αλυσίδας στο Φαινόμενο με Μεθόδους Διηλεκτρικής Φασματοσκοπίας”
Πρακτικά XIII Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Θεσσαλονίκη 1997.

9. Γ. Γεωργούσης, Α. Καναπίτσας, Α. Κυρίτσης, Π. Πίσσης, Υ. Savelyev, Ε. Akhranovich, Ε. G. Privalko, V. P. Privalko
“Ιοντική Αγωγιμότητα σε Σύνθετα ‘Φορτισμένα’ Πολυμερή”
Πρακτικά, XIV Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Ιωάννινα 1998,

10. Α. Καναπίτσας, Π. Πίσσης, Α. Βατάλης, Κ. Δελίδης και Κ. Βύρας
“Μελέτη Διαχωρισμού Φάσης και Μοριακής Κινητικότητας σε Πολυμερικά Μίγματα Πολυουρεθάνης/Συμπολυμερούς με τεχνικές Διηλεκτρικής Φασματοσκοπίας και Μηχανικής Θερμικής Ανάλυσης”
Πρακτικά XVI Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Ναύπλιο 2000.

11. Α. Καναπίτσας, Π. Πίσσης, Ρ. Sysel, V. A. Berhstein
“Σχέση Δομής – Ιδιοτήτων σε Υβριδικά Οργανικά/Οργανικά Σύνθετα Υλικά”
Πρακτικά XVI Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης, Ναύπλιο 2000.

12. Α. Kanapitsas, Ρ. Pissis, R. Kotsilkova, I. Nedkov, S. Stavrev
“Phase Morphology and Molecular Mobility in Hydrid Nanocomposites”
2nd National Conference on Composite Materials “Composites: From Fundamentals to Advanced Structures”, Conference Center, University of Patras, 7-9 June 2001.

13. Ρ. Pissis, Α. Kanapitsas, G. Georgoussis, V. A. Bershtein. Ρ. Sysel
“Dielectric Studies of Phase Morphology and Molecular Mobility in Novel Nanocomposites based on Polyimide”
2nd National Conference on Composite Materials “Composites: From Fundamentals to Advanced Structures”, Conference Center, University of Patras, 7-9 June 2001.

14. Α. Καναπίτσας, Π. Πίσσης, Α. Βατάλης, Κ. Γ. Δελίδης, Κ. Βύρας, Ye. P. Mamunya, E. V. Lebedev
“Μελέτη μηχανισμών μοριακής κινητικότητας και μικρομορφολογίας οργανικών/ ανόργανων νανοσύνθετων υλικών με τεχνικές θερμικής ανάλυσης”
1ο Πανελλήνιο Συνέδριο Θερμικής Ανάλυσης (ΘΕΡΜΑ 2002), Κερκίνη 2002.

15. Α. Καναπίτσας
“Υβριδικά νανοσύνθετα υλικά μικροηλεκτρονικής”
Ημερίδα “Μικρο και Νάνο Ηλεκτρονική τεχνολογία”, Λαμία 2005

16. Α. Καναπίτσας (προσκεκλημένος ομιλητής)
“Υβριδικά Νανοσύνθετα πολυμερικά υλικά Μικροηλεκτρονικής”
ΜΙΚΡΟ και ΝΑΝΟ Ηλεκτρονική Τεχνολογία, Τ.Ε.Ι. Λαμίας, Μάιος 2005
17. C.G. Delides, A. Kanapitsas, P. Pissis, E. Logakis, C. Pandis, E. Kontou, Ye.P. Mamunya, E.V. Lebedev, G. Boiteux, G. Seytre
“Molecular dynamics and structure of filled with dispersed iron polymer alloys”
6th Hellenic Conference on Polymers, Patras, November 2006.
18. V. Peoglos, E. Logakis, C. Pandis, A. Kanapitsas, D. Fragidakis, P. Pissis
“Polymer composites and nanocomposites for high- k materials applications”
6th Hellenic Conference on Polymers, Patras, November 2006.
19. Χ. Ζώης, Π. Πίσσης, Λ. Απέκης, Χ. Ράπτη, Σ. Κρυπωτού, Α. Καναπίτσας, Χ. Τσώνος, Μ. Μραντσάκονα, Μ. Ομαστονα
“Θερμικές και ηλεκτρικές ιδιότητες νανοσύνθετων πολυμερικών υλικών”
XXII Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης & Επιστήμης Υλικών, Πάτρα 2006, σ.186
20. Χ. Τσώνος, Α. Καναπίτσας, Κ. Αναστασιάδης, Δ. Τριάντης
“Μεταβολή ηλεκτρικών και διηλεκτρικών ιδιοτήτων λόγω σκλήρυνσης μίγματος τσιμέντου-κόκκων άμμου”
XXII Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης & Επιστήμης Υλικών, Πάτρα 2006, σ.182
21. Α. Καναπίτσας, Χ. Τσώνος, Υ. Mamunya, E.V. Lebedev, Ε. Λογκάκης, Χ. Πανδής, Π. Πίσσης, Ε. Κοντού, Κ.Γ. Δελίδης
“Φαινόμενο θετικού θερμοκρασιακού συντελεστή της αντίστασης (PTC) σε σύνθετα πολυμερικά μίγματα”
XXII Πανελλήνιο Συνέδριο Φυσικής Στερεάς Κατάστασης & Επιστήμης Υλικών, Πάτρα 2006, σ.140
22. Ε. Logakis, Α. Kanapitsas, Th. Kosmidou, C. Tsonos, C.G. Delides, P. Pissis
“Dielectric – mechanical and thermal studies of molecular mobility and Phase Morphology in epoxy-amine / carbon black nanocomposites”
7th Hellenic Polymer Conference, September 2008, Ioannina, p.211
23. Α. Kanapitsas, H. Zois and C.G. Delides
“Thermogravimetric Properties of Epoxy-Resin/Carbon Nanotubes Nanocomposites”
Πρακτικά του XXV Πανελληνίου Συνεδρίου Φυσικής Στερεάς Κατάστασης και Επιστήμης Υλικών, Θεσσαλονίκη 2009, σελ. 335.
24. D. Piromalis, D.I. Tseles, A. Kanapitsas, H. Zois and C.G. Delides
“Epoxy composites filled with amine modified carbon nanotubes: high voltage corona discharge studies”

Πρακτικά του XXV Πανελλήνιου Συνεδρίου Φυσικής Στερεάς Κατάστασης και Επιστήμης Υλικών, Θεσσαλονίκη 2009, σελ. 333.

25. H. Zois, A. Kanapitsas and C.G. Delides

“The Effect of Carbon Nanoparticles on Thermogravimetric Properties of Epoxy Resin/Carbon Black Nanocomposites”

Πρακτικά του XXVI Πανελλήνιου Συνεδρίου Φυσικής Στερεάς Κατάστασης και Επιστήμης Υλικών, Ιωάννινα 2010, σελ. 259.

26. Α. Καναπίτσας, Χ. Ζώης και Κ.Γ. Δελίδης

“Συγκριτική μελέτη των θερμομηχανικών ιδιοτήτων νανοσύνθετων υλικών εποξειδικής ρητίνης”

Πρακτικά του 4ου Πανελλήνιου Συνεδρίου Θερμικής Ανάλυσης “ΘΕΡΜΑ-2010”, Πάτρα 2010 (δημοσιευμένη στα πρακτικά του συνεδρίου, σε CD).

27. H.Zois, A.Kanapitsas, A.Stimoniariis, C.G.

“Comparative study on thermogravimetric properties of epoxy nanocomposites containing CB or CNT nanoparticles”

XXVIII Panhellenic Conf. on Solid State Physics and Materials Science , Lemessos, Cyprus, 18-21 September 2011.

28.Χ. Ζώης, Α. Καναπίτσας

“Προηγμένα νανοσύνθετα υλικά πολυμερικής μήτρας”

Πρακτικά του 14ου Πανελλήνιου Συνεδρίου Ένωσης Ελλήνων Φυσικών, Καμένα Βούρλα 2012, σελ. 101 (σε CD).

29. H. Zois, A. Kanapitsas, A.Z. Stimoniariis and C.G. Delides

“Thermal decomposition kinetics of Epoxy Resin Nanocomposites”

Πρακτικά του XXVIII Πανελλήνιου Συνεδρίου Φυσικής Στερεάς Κατάστασης και Επιστήμης Υλικών, Πάτρα 2012, (δημοσιευμένη στα πρακτικά του συνεδρίου, σε USB).

30. A.Z. Stimoniariis, H. Zois, A. Kanapitsas and C.G. Delides

“Effect of Nanoclay on the Dynamics of Epoxy/Carbon Nanotubes Composites”

Πρακτικά του XXVIII Πανελλήνιου Συνεδρίου Φυσικής Στερεάς Κατάστασης και Επιστήμης Υλικών, Πάτρα 2012, (δημοσιευμένη στα πρακτικά του συνεδρίου, σε USB).

31. H. Zois, A. Kanapitsas, Ch. Tsonos, G. Tsonos, E. Patargia, A. Karagounis, N. Petropoulos, D. Sakellari, E. Siorres, G.C. Psarras

“Thermal properties of epoxy resin-titanium carbide nanocomposites”

Πρακτικά του 9ου Πανελλήνιου Συνεδρίου Πολυμερών, Θεσσαλονίκη 2012, (δημοσιευμένη στα πρακτικά του συνεδρίου, σε CD).

32. Haralampos Zois, Adamos Stimoniariis, Athanasios Kanapitsas and Constantinos Delides

“The role of preparation procedure on the characteristic thermal parameters of fly ash- reinforced epoxy composites”

6ου Συνεδρίου Θερμικής Ανάλυσης και Θερμιδομετρίας , Λάρισα 26 -28 Σεπτεμβρίου 2014 ΘΕΡΜΑ 2014

33. G. N. Tomara, C. Tsonos, A. Kanapitsas, G. C. Psarras
“Development, Characterization, and Energy Storage of Polar Oxides/Polymer Matrix Nanodielectrics”
30th Panhellenic Conference on Solid-State Physics and Materials Science, Heraklion, Crete, September 21-24, 2014
34. A. Kanapitsas, C. Tsonos, G. C. Psarras, Th. Speliotis and D. Triantis
“Structure-properties relationship of Barium Ferrite/Barium Titanate/Epoxy Resin Hybrid Nanocomposites” .
XXXI (31st) Panhellenic conference on Solid State Physics & Materials Science
Thessaloniki, 20-23 September 2015
35. G. C. Psarras, A. Kanapitsas, C. Tsonos
“Dielectric Properties of Ceramic Particles/Epoxy Resin Nanodielectrics”
XXXI (31st) Panhellenic conference on Solid State Physics & Materials Science
Thessaloniki, 20-23 September 2015