

VASSILIS GIONIS – ΒΑΣΙΛΕΙΟΣ ΓΚΙΩΝΗΣ

LIST OF PUBLICATIONS – ΚΑΤΑΛΟΓΟΣ ΔΗΜΟΣΙΕΥΣΕΩΝ
(Last update May 2011)

A. THESIS - ΔΙΔΑΚΤΟΡΙΚΟ

Thèse de doctorat d'Etat de l'Université Paris-Sud (Paris XI, Orsay).
“New Series of Organic Solids with Mesomorphic properties: Organic Conductors with Liquid Crystalline Structure” (French)
Thèse de Doctorat d'Etat ès Sciences Physiques
Defence on 22th September 1983, received with the highest honors of the examination comitee.

B. PUBLICATIONS IN REFERREED JOURNALS

ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΔΙΕΘΝΗ ΠΕΡΙΟΔΙΚΑ ΜΕ ΚΡΙΤΕΣ

1. *Highly conducting TCNQ salts based on azapyridocyanines*,
H. Strzelecka, V. Gionis, R. Fugnitto and J. Rivory,
Synthetic Metals 5, 31-36 (1982).
2. *Tetraphenyldipyranlydene (DiPΦ₄)*,
D. Chasseau, J. Gaultier, C. Hauw, R. Fugnitto, V. Gionis and H. Strzelecka,
Acta Crystallographica (Section B) 38, 1629-1631 (1982).
3. *Synthese et Proprietés Redox des π-Donneurs Mesogenes*,
V. Gionis, R. Fugnitto, G. Meyer, H. Strzelecka and J.C. Dubois,
Molecular Crystals and Liquid Crystals 90, 153-162 (1982).
4. *Nature of the mesophase of a conducting charge transfer complex : neither discotic nor calamitic*,
P. Davidson, A.M. Levelut, H. Strzelecka and V. Gionis,
Journal de Physique Lettres 44, L823-L828 (1983).
5. *Synthesis and properties of mesogenic π-Donors : precursors of mesomorphic organic conductors*,
V. Gionis, R. Fugnitto, H. Strzelecka and J.C. Dubois,
Molecular Crystals and Liquid Crystals 96, 215-219 (1983).
6. *Sels de pyrylium et de thiopyrylium mesomorphes*,
V. Gionis, R. Fugnitto, H. Strzelecka and P. Le Barny,
Molecular Crystals and Liquid Crystals 95, 351-358 (1983).
7. *Liquid crystalline organic conductors*,
H. Strzelecka, V. Gionis, J. Rivory and S. Flandrois,
Journal de Physique 44, C3_1201-1206 (1983).
8. *The smectic A phases of some long chain substituted diaryl-2,6 pyrylium and thiopyrylium salts*,
G. Sigaud, F. Hardouin, H. Gasparoux, V. Gionis, M. Veber and H. Strzelecka,
Molecular Crystals and Liquid Crystals 92, 217-224 (1983).

9. *A convenient preparation of diaryl-2,6 thiopyrylium perchlorates. Positive salt effect,*
V. Gionis, H. Strzelecka,
Synthetic Communications 14, 775-778 (1984).
10. *The resistivity of a liquid crystalline organic conductor measured within the mesophase from 100 to 1000 MHz,*
R. Kormann, L. Zuppiroli, V. Gionis and H. Strzelecka,
Molecular Crystals and Liquid Crystals 133, 283-290 (1986).
11. *Liquid crystalline organic conductors : Studies in crystalline and mesomorphic phase,*
V. Gionis, H. Strzelecka, M. Veber, R. Kormann and L. Zuppiroli,
Molecular Crystals and Liquid Crystals 137, 365-372 (1986).
12. *Heteroaromatic salts exhibiting thermotropic liquid crystalline properties,*
M. Veber, C. Jallabert, H. Strzelecka, V. Gionis and G. Sigaud,
Molecular Crystals and Liquid Crystals 137, 373-379 (1986).
13. *Disodium S-cyanoisothiazolethiolate as a starting material for preparation of new conductive solids,*
G.C. Papavassiliou, G.A. Mousdis, V. Gionis, J.S. Zambounis and S.Y. Yiannopoulos,
Zeitschrift für Naturforschung (Section B) 42, 1050-1051 (1987).
14. *Some Nitrogen-containing tetraheterofulvalenes and a few of their conductive salts,*
G.C. Papavassiliou, V. Gionis, S.Y. Yiannopoulos, J.S. Zambounis, G.A. Mousdis, K. Kobayashi and K. Umemoto,
Molecular Crystals and Liquid Crystals 156, 277-287 (1988).
15. *Bis(alkylthio)tetrathiafulvalenes and a few of their salts.*
G.C. Papavassiliou, J.S. Zambounis, G.A. Mousdis, V. Gionis, S.Y. Yiannopoulos.
Molecular Crystals and Liquid Crystals 156, 269-276 (1988).
16. *Behavior of Bis(alkylthio)tetrathiafulvalene derivatives of Langmuir-Blodgett films upon iodine exposure,*
M. Vandevyver, M. Roulliay, J.P. Bourgoïn, A. Barraud, V. Gionis, V.C. Kakoussis, G.A. Mousdis, J.P. Morand and O. Noel,
Journal of Physical Chemistry 95, 246-251 (1991).
17. *New Langmuir-Blodgett films based on substituted 1,2-Dithiolium-TCNQ radical anion salts,*
V. Gionis, O. Fichet, M. Izumi, J. Amiell, C. Garrigou-Lagrange, G.C. Papavassiliou and P. Delhaes,
Chemistry Letters, 871-874 (1991).

18. *Langmuir-Blodgett films based on substituted 1,2-Dithiolium-TCNQ radical anion salts*,
O. Fichet, V. Gionis, J. Amiell, B. Agricole, P. Delhaes, D. Ducharme, A. Perrier and R.M. Leblanc,
Thin Solid Films 210, 330-331 (1992).
19. *Surface properties of semi-amphiphilic dithiolium TCNQ salts at the air-water interface*,
O. Fichet, D. Ducharme, V. Gionis, P. Delhaes and R.M. Leblanc,
Langmuir 9, 491-496 (1993).
20. *Spectroscopic and electronic properties of conducting LB films issued from a homodoping strategy*,
O. Fichet, J.P. Bourgoïn, P. Delhaes, B. Desbat, V. Gionis and V. Yartsev,
Molecular Crystals and Liquid Crystals 234, 179-186 (1993).
21. *Realisation de films de Langmuir-Blodgett conducteurs: generalisation de la technique d'autodopage a partir de composes amphiphiles du tetracyanoquinodimethane (TCNQ)*,
O. Fichet, B. Agricole, J. Amiell, V. Gionis and P. Delhaes,
Comptes Rendus de l'Academie des Sciences (Serie II) 316, 335-340 (1993).
22. *Conductivity Langmuir-Blodgett films based on semi-amphiphilic TCNQ salts: Mechanism of the homodoping process*,
O. Fichet, B. Agricole, H. Kassi, B. Desbat, V. Gionis, R.M. Leblanc, C. Garrigou-Lagrange and P. Delhaes,
Thin Solid Films 243, 592-595 (1994).
23. *2,6-Dithienyl substituted pyrylium salts as precursors of functionalized Langmuir films*,
M. Aiai, V. Gionis, B. Agricole, C. Mingotaud, P. Delhaes, Y.J. Li, L. Shao and R.M. Leblanc,
Thin Solid Films 284, 138-140 (1996).
24. *Preparation, structure and optical properties of $[CH_3SC(=NH_2)NH_2]_3PbI_5$, $[CH_3SC(=NH_2)NH_2]_4Pb_2Br_8$ and $[CH_3SC(=NH_2)NH_2]_3PbCl_5 \cdot CH_3SC(=NH_2)NH_2Cl$* ,
G.A. Mousdis, V. Gionis, G.C. Papavassiliou, C.P. Raptopoulou and A. Terzis,
Journal of Materials Chemistry 8, 2259-2262 (1998).
25. *Secondary structure of chorion proteins of the teleostean fish *dentex dentex* by ATR FT-IR and FT-Raman spectroscopy*,
V.A. Iconomidou, G.D. Chryssikos, V. Gionis, M.A. Pavlidis, A. Paipetis and S.J. Hamodrakas,
Journal of Structural Biology 132, 112-122 (2000).
26. *Soft-cuticle protein secondary structure as revealed by FT-Raman, ATR-IR and CD spectroscopy*,
V.A. Iconomidou, G.D. Chryssikos, V. Gionis, J.H. Willis and S.J. Hamodrakas,
Insect Biochemistry and Molecular Biology 31, 877-885 (2001).

27. *Amyloid-like fibrils from an 18-residue peptide-analogue of a part of the central domain of the B-family of silkmoth chorion proteins*,
V.A. Iconomidou, G.D. Chryssikos, V. Gionis, G. Friend, A. Hoenger and S.J. Hamodrakas,
FEBS Letters 499, 268-273 (2001).
28. *FT-Raman spectroscopy as diagnostic tool of Congo Red binding to amyloids*,
V.A. Iconomidou, G.D. Chryssikos, V. Gionis, A. Hoenger and S.J. Hamodrakas,
Biopolymers 72, 185-192 (2003).
29. *Use of FT-NIR spectroscopy for on-line monitoring of formaldehyde-based resin synthesis*,
E. Dessipri, E. Minopoulou, G.D. Chryssikos, V. Gionis, A. Paipetis and C. Panayiotou,
European Polymer Journal 39, 1533-1540 (2003).
30. *Use of NIR for structural characterization of urea-formaldehyde resins*,
E. Minopoulou, E. Dessipri, G.D. Chryssikos, V. Gionis, A. Paipetis and C. Panayiotou,
International Journal of Adhesion and Adhesives 23, 473-484 (2003).
31. *Diblock copolymer adsorption from the aqueous micellar phase to solid surfaces: Real time monitoring by ATR spectroscopy in the mid-infrared*,
I. Keskini, V. Gionis, G.D. Chryssikos, I. Hiotelis, C. Toprakcioglu, N. Stavrouli and C. Tsitsilianis,
Macromolecular Symposia 205, 117-128 (2004).
32. *Polymorphism and devitrification of nifedipine under controlled humidity: a combined FT-Raman, IR and Raman microscopic investigation*,
K.L.A. Chan, O.S. Fleming, S.G. Kazarian, D. Vassou, G.D. Chryssikos and V. Gionis,
Journal of Raman Spectroscopy 35, 353-359 (2004).
33. *Glassy Drugs: A Raman investigation of binary dihydropyridine systems*,
D. Vassou, V. Gionis, G.D. Chryssikos,
Physics and Chemistry of Glasses 46, 144-147 (2005).
34. *On the structure of Palygorskite by mid- and near-infrared spectroscopy*,
V. Gionis, G.H. Kacandes, I.D. Kastriotis and G.D. Chryssikos,
American Mineralogist. 91, 1125-1133 (2006).
35. *Amyloid fibril formation propensity is inherent into the hexapeptide tandemly repeating sequence of the central domain of silkmoth chorion proteins of the A-family*,
V.A. Iconomidou, G.D. Chryssikos, V. Gionis, A.S. Galanis, P. Cordopatis, A. Hoenger and S.J. Hamodrakas,
Journal of Structural Biology 156, 480-488 (2006).

36. *In situ high-throughput study of drug polymorphism under controlled temperature and humidity using FTIR spectroscopic imaging*, K.L.A. Chan, S.G. Kazarian, D. Vassou, V. Gionis and G.D. Chryssikos, *Vibrational Spectroscopy* 43, 221-226 (2007).
37. *Dogfish egg case structural studies by ATR FT-IR and FT-Raman spectroscopy*, V.A. Iconomidou, M.E. Georgaka, G.D. Chryssikos, V. Gionis, P. Megalofonou and S.J. Hamodrakas, *International Journal of Biological Macromolecules* 41, 102-108 (2007).
38. *Molecular interactions between dimethoxycurcumin and PAMAM dendrimer carriers*, E. Markatou, V. Gionis, G.D. Chryssikos, S. Hatziantoniou, A. Georgopoulos and C. Demetzos, *International Journal of Pharmaceutics* 339, 231-236 (2007).
39. *Combined Near-infrared and XRD investigation of the octahedral sheet composition of palygorskite*, V. Gionis, G.H. Kacandes, I.D. Kastritis and G.D. Chryssikos, *Clays and Clay Minerals* 55, 543-553 (2007).
40. *Bone diagenesis: New data from infrared spectroscopy and X-ray diffraction*, E.T. Stathopoulou, V. Psycharis, G.D. Chryssikos and V. Gionis, *Palaeogeography, Palaeoclimatology, Palaeoecology* 266, 168-174 (2008).
41. *Octahedral cation distribution in palygorskite*, G.D. Chryssikos, V. Gionis, G.H. Kacandes, E.T. Stathopoulou, M. Suarez, E. Garcia-Romero and M. Sanchez del Rio, *American Mineralogist* 94, 200-203 (2009).
42. *A combined synchrotron powder diffraction and vibrational study of the thermal treatment of palygorskite-indigo to produce Maya blue*, M. Sanchez del Rio, E. Boccaleri, M. Milanesio, G. Croce, W. van Beek, C. Tsiantos, G. D. Chryssikos, V. Gionis, G. H. Kacandes, M. Suarez, E. Garcia-Romero, *Journal of Materials Science* 44, 5524-5536 (2009).

C. PATENTS - ΔΙΠΛΩΜΑΤΑ ΕΥΡΕΣΙΤΕΧΝΙΑΣ

1. E. Dessipri, G. D. Chryssikos, V. Gionis, A. Paipetis and G. Kalousis
Use of Near Infrared Spectroscopy in composite panel production
International Publication Number WO 02/051898 A1

Abstract: Use of the Near–Infra Red spectroscopic method for monitoring the industrial production of formaldehyde resin bonded composites from the analysis of the raw materials and intermediate products (such as urea-formaldehyde concentrates) to the quality control of the final product.

2. E. Dessipri, G. D. Chryssikos, V. Gionis, A. Paipetis and G. Kalousis
Use of Near Infrared Spectroscopy in composite panel production
US6,639,044 B2 Granted 28.10.2003
3. E. Dessipri, G. D. Chryssikos, V. Gionis, A. Paipetis and P. Nakos
Method for assessing remaining useful life and overall quality of laminating paper
International Publication Number WO 02/061404 A1

Abstract: The suitability of resin-impregnated papers for composite laminates is determined by a method in which the NIR spectra are measured and compared with standard samples.

D. ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΠΡΑΚΤΙΚΑ PUBLICATIONS IN PROCEEDINGS

1. *Conductive solids based on some new molecules with isothiazolo-ring*,
G.C. Papavassiliou, G.A. Mousdis, V. Gionis, J.S. Zambounis, S. Yiannopoulos
in "*Organic and inorganic low-dimensional crystalline materials*", Ed. by P.
Delhaes, M. Drillon, Plenum Publ. Corp., NATO ASI Series B Physics Vol. 168,
301 (1987).
2. *Spectroscopic investigation (2,2-DM-DCNQI)₂M materials in bulk and thin film forms*,
E.I. Kamitsos, G.D. Chryssikos, V. Gionis in "*Lower-dimensional systems and molecular electronics*", Ed. by R.M. Metzger, Plenum Publ. Corp., NATO ASI B Physics Vol. 248, 197 (1991).
3. *2,6-Dithienyl Substituted Pyrylium Salts as Precursors of Functionalized Langmuir Films*,
V. Gionis, B. Agricole, P. Delhaes in "*Localized and Itinerant Molecular Magnetism. From Molecular Assemblies to the Devices*" NATO ASI (1996) Abstracts book Ed. by E. Coronado, P. Delhaes, D. Gatteschi, J.S. Miller.
4. *(3'-Thienyl) Pyridines as Precursors of Functionalized Langmuir Films*,
V. Gionis, M. Aiai, A.N. Papadima in "*Supramolecular Engineering of Synthetic Metallic Materials : Conductors and Magnets*", NATO Advanced Research Workshop (ARW) (1998) Abstracts book Ed. by P. Batail, J. Becher, M.R. Bryce, A. Kini, J. Veciana.

5. *Use of FT-NIR Spectroscopy for on-line monitoring of formaldehyde-based resin synthesis*,
E. Dessipri, E. Minopoulou, G.D. Chryssikos, V. Gionis and A. Paipetis in proceedings of the “*Fifth European Panel Products Symposium*”, Llandudno, Wales, October 2001, pp. 15-26
6. *Synthesis and characterization of urea-formaldehyde resins*,
E. Minopoulou, C. Panayiotou, E. Dessipri, A. Paipetis, V. Gionis, G.D. Chryssikos in proceedings of the “*4th Hellenic Chemical Engineering Conference*”, Patras, Mai 2003, pp. 309-312
7. *Synthesis and characterization of urea-formaldehyde resins*,
E. Minopoulou, E. Dessipri, G. D. Chryssikos, V. Gionis, A. Paipetis, C. Panayiotou in proceedings of the “*XIX Hellenic Conference of Solid State Physics and Materials Science*”, Thessaloniki, September 2004, pp. 483-486.
8. *2nd derivative Near-infrared spectroscopic investigation of hormites*,
V. Gionis, G. H. Kacandes, I. D. Kastritis and G. D. Chryssikos in “*Abstracts of the 42nd Annual Meeting of the Clay Minerals Society*”, Burlington, VT USA, June 2005, p. 47
9. *The genesis and geochemistry of Palygorskite clays from Western Macedonia, Greece*,
I.D. Kastritis, G.D. Chryssikos, E. Mposkos, V. Gionis, G.H. Kacandes in “*Abstracts of the 42nd Annual Meeting of the Clay Minerals Society*”, Burlington, VT USA, June 2005, p. 62
10. *Bone diagenesis: New data from infrared spectroscopy and X-ray diffraction*,
E. Stathopoulou, V. Psycharis, G.D. Chryssikos, V. Gionis in “*Abstracts of the Fifth International Bone Diagenesis Meeting*”, Cape Town, RSA, August 2005.
11. *NIR control of aminoplastic resin production processes*,
E. Minopoulou, G. Prinos, E. Dessipri, G.D. Chryssikos, V. Gionis in proceedings of the “*Conference on Wood Adhesives 2005*”, San Diego, CA USA November 2005, *in press* (2006).
12. *Dogfish egg case structural studies by ATR FT-IR and FT-Raman spectroscopy*,
V.A. Iconomidou, M. Georgaka, G.D. Chryssikos, V. Gionis, P. Megalofonou and S.J. Hamodrakas in proceedings of the “*58th Intl. Conf. Hellenic Society Biochemical Molecular Biology*”, Patras, November 2006, CD pp.1-4
13. *Preliminary structural studies of Galeus melastomus egg case by ATR FT-IR and FT-Raman*,
V.A. Iconomidou, M. Georgaka, G.D. Chryssikos, V. Gionis, P. Megalofonou and S.J. Hamodrakas in proceedings of “*28th Conference of Hellenic Biological Society*”, Ioannina, (2006)
14. *Combined XRD and near-infrared characterization of palygorskite-rich deposits from western Macedonia, Greece*,

- V. Gionis, G.H. Kacandes, I.D. Kastritis and G.D. Chryssikos in abstracts of the “*Joint meeting of clay minerals society and the French clay group, 43rd annual meeting of the CMS – 4^{eme} colloque du GFA*”, Ile d’Oleron, France (2006), p. 109
15. *Analysis and Documentation of The Baptism by Domenicos Theotokopoulos using non-destructive physicochemical techniques II. A first comparaison with The Adoration of the Magi from the Benaki Museum*, Aloupi E., Paschalis V., Stassinopoulos S., Aslani I., Karydas A.G., Anglos D., Gionis V., Chryssikos G.D., in “*International Meeting, Icons: Approaches to Research, Conservation and Ethical Issues*”, Athens 12/2006, p. 1-24.
 16. *PAMAM dendrimer as carrier for a bioactive curcumin derivative: Studies on the nature of the PAMAM-curcumin derivative complexation*, E. Markatou, V. Gionis, G. D. Chryssikos, S. Hatziantoniou, A. Georgopoulos and C. Demetzos, 33rd Annual Meeting of the Controlled Release Society, Vienna, Austria (2006)
 17. *Common structural aspects of trioctahedral palygorskite and sepiolite by vibrational spectroscopy*, E.T. Stathopoulou, G.H. Kacandes, I.D. Kastritis, V. Gionis and G.D. Chryssikos in abstracts of “*Euroclay 2007*”, Aveiro, Portugal (2007), p. 13
 18. *Direct compositional evaluation of palygorskite by near-infrared spectroscopy*, G.D. Chryssikos, V. Gionis, G.H. Kacandes, M. Suarez, E. Garcia-Romero and M.Sanchez del Rio, abstracts of “*ALuSiV Conference – Aluminium and Silicon in Soils and the Environment*”, The Macaulay Institute, Aberdeen, Scotland U.K. (2008).
<http://www.minersoc.org/pages/groups/cmglalusiv-chryssikos.pdf>
 19. *Bio-organic protein / polyelectrolytehybrids: hen egg white lysozyme complexes with sodium (sulfamate-carboxylate) isoprene polyelectrolytes*, M. Karayianni, G. Mountrichas, S. Pispas, G.D. Chryssikos, V. Gionis, abstracts of “*First International Conference on Multifunctional, Hybrid and Nanomaterials, “Hybrid Materials 2009”*”, Tours, France (2009).
 20. *Composition dependence of the unit cell dimensions of palygorskite*, E.T. Stathopoulou, M. Suarez, E. Garcia-Romero, M. Sanchez del Rio, G.H. Kacandes, V.Gionis, G.D. Chryssikos, abstracts of “*XIV International Clay Conference*”, Castellaneta M., Italy (2009), p. 351
 21. *Structure and properties of palygorskite with excess Al*, M. Suarez, E. Garcia-Romero, G.D. Chryssikos, V.Gionis, G.H. Kacandes, M. Sanchez del Rio, abstracts of “*XIV International Clay Conference*”, Castellaneta M., Italy (2009), p. 352
 22. *Near – Infrared study of synthetic Maya blue pigments*, C. Tsiantos, V. Gionis, G.H. Kacandes, G.D. Chryssikos, abstracts of “*International Conference “Clays, Clay Minerals and Layered Materials – CMLM2009”*”, Zvenigorod – Moscow Region, Russia, September 2009, p. 288

23. *Effect of acid leaching on the Structure of Palygorskite and Sepiolite*,
G.D. Chryssikos, G.H. Kacandes and V. Gionis, abstracts of “2010 SEA-CSSJ-CMS Trilateral Meeting on Clays”, 2010 TMC, Madrid & Seville , Spain, June 2010, p. 36-37
24. *Synchronous Near- & Mid Infrared investigation of the dehydration of Sepiolite*,
V. Gionis, G.H. Kacandes and G.D. Chryssikos, abstracts of “2010 SEA-CSSJ-CMS Trilateral Meeting on Clays”, 2010 TMC, Madrid & Seville , Spain, June 2010, p. 54-55
25. *Crystal chemistry of kerolite-stevensite mixed layered minerals from the Ural region (Russia)*,
V. Krupskaya, L. Melchakova, M. Vigasina, G.D. Chryssikos, V. Gionis, L. Ogorodova, I. Kiseleva, abstracts of “2010 SEA-CSSJ-CMS Trilateral Meeting on Clays”, 2010 TMC, Madrid & Seville , Spain, June 2010, p. 73-74

E. OTHER PUBLICATIONS – ΑΛΛΕΣ ΔΗΜΟΣΙΕΥΣΕΙΣ

1. *Analysis and documentation of the baptism of Christ by Domenicos Theotokopoulos using non-destructive physicochemical techniques (in Greek)*,
E. Aloupi, V. Paschalis, S. Stassinopoulos, V. Tornari, D. Anglos, V. Gionis and G.D. Chryssikos,
The Annual Journal of the Benaki Museum **5**, 87-114 (2005).
2. *Examination, analysis and conservation of the icon of the Deposition in the Andreadis Collection (in Greek)*,
H.-V. Farmakalidis, V. Gionis, G.D. Chryssikos,
The Annual Journal of the Benaki Museum **8**, 117-130 (2008).
3. *Non destructive analysis of decorated ceramics from excavations in Eastern Attica (in Greek)*,
E. Aloupi, I. Aslani, A.G. Karydas, C. Zarcadas, M. Gika, V. Gionis and G.D. Chryssikos,
From Mesogaia to the Argosaronic – Works of the 2nd Eph. Prehist.& Class. Antiq. 1994-2003, (V. Vassilopoulou and S. Katsarou-Tzeveleki, Eds.), Municipality of Markopoulo Mesogaïas, 2009, pp. 93-102.

F. ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΠΡΑΚΤΙΚΑ ΕΛΛΗΝΙΚΩΝ ΣΥΝΕΔΡΙΩΝ (ΠΕΡΙΛΗΨΕΙΣ) PUBLICATION IN GREEK CONFERENCES PROCEEDINGS (ABSTRACTS)

1. *Μελέτες της δευτεροταγούς δομής των πρωτεϊνών του χορίου του ιχθύος *Dentex dentex* με φασματοσκοπία ATR-IR και FT-Raman*, Οικονομίδου Β.Α., Χρυσικός Γ., Γκιώνης Β., Γιακουμέλου Α., Γαλανόπουλος Β. και Χαμόδρακας Σ.Ι., 21ο Πανελλήνιο Συνέδριο της Εταιρίας Βιολογικών Επιστημών, Σύρος (1999) (Περίληψεις).
*Secondary structure studies of chorion proteins of the teleostean fish *Dentex dentex* utilizing ATR-IR and FT-Raman spectroscopy*, V. A. Iconomidou, G. D. Chryssikos,

V. Gionis, A. Yakoumelou, V. Galanopoulos and S. J. Hamodrakas, Proceedings of the 21st Panhellenic Conference of the Hellenic Society for Biological Sciences, Syros, 1999, pp.213-214.

2. *Χαρακτηρισμός Επιφανειών / διεπιφανειών πολυμερικών υλικών με FT-Surface Enhanced Raman Scattering*, Σ. Κεμίδης, Δ. Βάσσου, Γ. Χρυσικός, Β. Γκιώνης, Χ. Ρέτσος, Μ. Λυγεράκη και Σ. Αναστασιάδης
5^ο Πανελλήνιο Συνεδρίο Πολυμερών, Κρήτη (2001) (Περίληψεις).
FT-Surface Enhanced Raman (SERS) characterization of polymeric surfaces and interfaces, S. Kemidis, D. Vassou, G. D. Chryssikos, V. Gionis, C. Retsos, M. Lygeraki and S. Anastasiades, Abstracts of the 5th Greek Conference on Polymers, Crete, December 2001
3. *Μελέτη της δομής ρητινών ουρίας – φορμαλδεΐδης – Εισαγωγή φασματοσκοπίας FT-NIR για την παρακολούθηση της σύνθεσης*, Ε. Μινοπούλου, Ε. Δεσύπρη, Κ. Παναγιώτου, Α. Παϊπέτης, Β. Γκιώνης και Γ. Χρυσικός,
5^ο Πανελλήνιο Συνεδρίο Πολυμερών, Κρήτη (2001) (Περίληψεις).
Structural investigation of Urea-Formaldehyde resins by NIR spectroscopy, E. Minopoulou, E. Dessipri, C. Panagiotou, A. Paipetis, V. Gionis and G. D. Chryssikos, Abstracts of the 5th Greek Conference on Polymers, Crete, December 2001
4. *Φασματοσκοπικός χαρακτηρισμός και ποιοτικός έλεγχος μελαμινικών χαρτιών*, Α. Παϊπέτης, Β. Γκιώνης, Γ. Χρυσικός, Ε. Δεσύπρη, Δ. Λουκούμης και Ε. Μινοπούλου,
5^ο Πανελλήνιο Συνεδρίο Πολυμερών, Κρήτη (2001) (Περίληψεις).
Spectroscopic characterization and quality control of laminating papers, A. Paipetis, V. Gionis, G. D. Chryssikos, E. Dessipri, D. Loukoumis and E. Minopoulou, Abstracts of the 5th Greek Conference on Polymers, Crete, December 2001
5. *Παρακολούθηση και έλεγχος της βιομηχανικής παραγωγής αμινοπλαστικών ρητινών με φασματοσκοπία εγγύς υπερόθρου*, Α. Παϊπέτης, Β. Γκιώνης, Γ. Χρυσικός, Ε. Δεσύπρη, Δ. Λουκούμης και Ε. Μινοπούλου
5^ο Πανελλήνιο Συνεδρίο Πολυμερών, Κρήτη (2001) (Περίληψεις).
NIR spectroscopic monitoring and control of the industrial synthesis of aminoplastic resins, A. Paipetis, V. Gionis, G. D. Chryssikos, E. Dessipri, D. Loukoumis and E. Minopoulou, Abstracts of the 5th Greek Conference on Polymers, Crete, December 2001
6. *Quality control of marine coatings by NIR spectroscopy*, A. Paipetis, V. Gionis, G. D. Chryssikos and M.B. Kennedy, Abstracts of the 5th Pelagic Meeting on marine technologies, Spetses, Mai 2003.
7. *Non destructive techniques and mineral pigments. Exploration of the validity and limitations of their identification*, E. Aloupi, A. Chaviara, G. Chryssikos, V. Gionis, A. Karydas, B. Perdikatsis, Abstracts of 4th Symposium on Archaeometry, Athens, Mai 2003.

8. *Diagenesis of skeletal material: New data from X-ray diffraction and Infrared Spectroscopy*,
E. T. Stathopoulou, V. Psycharis, V. Gionis, G. D. Chryssikos and G. Theodorou,
3rd Conference of the Hellenic Crystallographic Association, Patras, September
2006
9. *FTIR-ATR real-time monitoring of the adsorption of PS-b-PEO copolymers on Ge, from micellar solutions*,
M. Karayianni, K. Gatsouli, G. D. Chryssikos, V. Gionis, S. Pispas
6th Annual Hellenic Conf Polymers, Patras, November 2006
10. *Structure of Sepiolite by Near- & Mid Infrared Spectroscopy*,
V. J. Bukas*, E. T. Stathopoulou, V. Gionis, G. H. Kacandes, G. D. Chryssikos,
XXVI Panhellenic Conference on Solid State Physics and Materials Science,
Ioannina, Greece, September 26-29, 2010 (poster).
11. *Mid- & Near-Infrared study of synthetic Maya Blue pigments*,
C. Tsiantos*, V. Gionis, G. H. Kacandes, G. D. Chryssikos,
XXVI Panhellenic Conference on Solid State Physics and Materials Science,
Ioannina, Greece, September 26-29, 2010 (poster).