

Lista de Publicatii:

[1]	Dadarlat, D., Tripon, C. , The photothermoelectric effect of liquid thermoelectrics as a tool for the detection of ferro-paraelectric phase transitions in solids, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 136 Issue: 5 Pages: 2165-2170 DOI: 10.1007/s10973-018-7887-2 (2019)
[2]	Szoke-Nagy, Tiberiu, Porav, Alin Sebastian, Coman, Cristian, Cozar, Bogdan Ionut, Dina, Nicoleta Elena, Tripon, Carmen , Characterization of the Action of Antibiotics and Essential Oils against Bacteria by Surface-Enhanced Raman Spectroscopy and Scanning Electron Microscopy, ANALYTICAL LETTERS Volume: 52 Issue: 1 Special Issue: SI Pages: 190-200 DOI: 10.1080/00032719.2018.1430150 (2019)
[3]	Tripon, C. , Dadarlat, D., Craciunescu, I., Photothermoelectric (PTE) detection of magnetic phase transitions based on liquid thermoelectric (LTE) materials as sensors Edited by: Vladescu M; Tamas R; Cristea, ADVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS, AND NANOTECHNOLOGIES IX Book Series: Proceedings of SPIE Volume: 10977 Article Number: UNSP 1097705 DOI: 10.1117/12.2322977 (2018)
[4]	Tripon, C. , Dadarlat, D., Bourges, C., Lemoine, P., Guilmeau, E., Photothermoelectric (PTE) characterization of CuCrO_2 and $\text{Cu}_4\text{Sn}_7\text{S}_{16}$ thermoelectric materials, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 131 Issue: 3 Pages: 3151-3156 DOI: 10.1007/s10973-017-6819-x (2018)
[5]	Dadarlat, D., Tripon, C. , A new application of the liquid thermoelectrics: The detection of magnetic phase transitions, THERMOCHIMICA ACTA Volume: 667 Pages: 160-164 DOI: 10.1016/j.tca.2018.07.020 (2018)
[6]	Muntean, CM., Bratu, I., Tripon, C. , Nalpantidis, K., Purcaru, MAP., Deckert, V., Molecular Relaxation Processes in Nucleic Acids Components as Probed with Raman Spectroscopy, REVISTA DE CHIMIE Volume: 68 Issue: 10 Pages: 2471-2476 (2017)
[7]	Tripon, C. , Muntean, CM., Bratu, I., Nalpantidis, K., Deckert, V., (Sub)picosecond processes in DNA and RNA constituents: a Raman spectroscopic assessment, POLYMER BULLETIN Volume: 74 Issue: 10 Pages: 4087-4100 DOI: 10.1007/s00289-017-1938-x (2017)
[8]	Dadarlat, D., Craciunescu, I., Turcu, R., Tripon, C. , Photopyroelectric Characterization of Magnetic Nanofluids. Influence of Type and Size of Nanoparticles on the Thermal Parameters, INTERNATIONAL JOURNAL OF THERMOPHYSICS Volume: 38 Issue: 6 Article Number: 86 DOI: 10.1007/s10765-017-2227-5 (2017)
[9]	Dadarlat, D., Tripon, C. , Tosa, V., On the photothermal characterization of liquid thermoelectrics. New methodology based on coupled pyroelectric-Seebeck effects, together with frequency and thickness scanning procedures, THERMOCHIMICA ACTA Volume: 653 Pages: 133-137 DOI: 10.1016/j.tca.2017.04.013 (2017)
[10]	Tripon, C. , Muntean, CM., Surducun, E., Bratu, I., Halmagyi, A., Coste, A., Structural response of genomic DNA from grapevine (<i>Vitis vinifera</i> L.) varieties to microwaves irradiation: A Fourier transform infrared spectroscopy assessment, BIOMEDICAL SPECTROSCOPY AND IMAGING Volume: 5 Issue: 3 Pages: 295-312 DOI: 10.3233/BSI-160138 (2016)

[11]	Touati, K., Depriester, M., Sahraoui, AH., Tripón, C. , Dadarlat, D., Combined photopyroelectric-photothermoelectric detection for thermal characterization of liquid thermoelectrics, THERMOCHIMICA ACTA Volume: 642 Pages: 39-44 (2016)
[12]	Popeneciu, H., Tripón, C. , Borodi, G., Pop, MM., Ristoiu, D., Crystal Structure Determination of Efavirenz, Edited by: Falamas A.; Turcu I., 10 TH INTERNATIONAL CONFERENCE PROCESSES IN ISOTOPES AND MOLECULES (PIM 2015) Book Series: AIP Conference Proceedings Volume: 1700 Article Number: 040003 DOI: 10.1063/1.4938438 (2015)
[13]	Tripón, C. , Muntean, CM., Buimaga-Iarinca, L., Calborean, A., DFT investigation of the vibrational properties of AT base pairs in the presence of Ca ²⁺ and Mn ²⁺ ions, BIOMEDICAL SPECTROSCOPY AND IMAGING Volume: 4 Issue: 2 Pages: 189-196 DOI: 10.3233/BSI-150110 (2015)
[14]	Muntean, CM., Leopold, N., Tripón, C. , Coste, A., Halmagyi, A., Surface-enhanced Raman spectroscopy of genomic DNA from in vitro grown tomato (Lycopersicon esculentum Mill.) cultivars before and after plant cryopreservation, SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 144 Pages: 107-114 DOI: 10.1016/j.saa.2015.02.085 (2015)
[15]	Stefan, R., Muntean, CM., Tripón, C. , Halmagyi, A., Valimareanu, S., UV degradation of genomic DNA from in vitro grown plant. species: A Fourier transform infrared spectroscopic assessment, POLYMER DEGRADATION AND STABILITY Volume: 108 Special Issue: SI Pages: 35-40 DOI: 10.1016/j.polymdegradstab.2014.05.026 (2014)
[16]	Morari, C., Muntean, CM., Tripón, C. , Buimaga-Iarinca, L., Calborean, A., DFT investigation of the vibrational properties of GC Watson-Crick and Hoogsteen base pairs in the presence of Mg ²⁺ , Ca ²⁺ , and Cu ²⁺ ions, JOURNAL OF MOLECULAR MODELING Volume: 20 Issue: 4 Article Number: 2220 DOI: 10.1007/s00894-014-2220-x (2014)
[17]	Miclaus, M., Grosu, IG., Filip, X., Tripón, C. , Filip, C., Optimizing structure determination from powders of crystalline organic solids with high molecular flexibility: the case of lisinopril dehydrate, CRYSTENGCOMM Volume: 16 Issue: 3 Pages: 299-303 DOI: 10.1039/c3ce41890a (2014)
[18]	Tripón, C. , Miclaus, M., Filip, X., Filip, C., Molecular architecture characterization of a new Acyclovir polymorph, EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS Volume: 42 Pages: S207-S207 Supplement: 1 (2013)
[19]	Cozar, O., Filip, C., Cioica, N., Cota, C., Tripón, C. , Nagy, EM., Determination of the Structural Changes by Raman and C-13 CP/MAS NMR Spectroscopy on Native Corn Starch with Plasticizers, Edited by: Lazar MD.; Garabagiu S., PROCESSES IN ISOTOPES AND MOLECULES (PIM 2013) Book Series: AIP Conference Proceedings Volume: 1565 Pages: 39-42 DOI: 10.1063/1.4833692 (2013)
[20]	Filip, X., Tripón, C. , Filip, C., NMR chemical shifts in crystalline compounds 2012 5 TH ROMANIA TIER 2 FEDERATION GRID, CLOUD & HIGH PERFORMANCE COMPUTING SCIENCE (RO-LCG) Pages: 107-110 (2012)
[21]	Tripón, C. , Filip, X., Aluas, M., Filip, C., ¹ H DOUBLE QUANTUM NMR AT ULTRA FAST MAS: ANALYTICAL AND NUMERICAL INVESTIGATIONS, ROMANIAN REPORTS IN PHYSICS Volume: 64 Issue: 1 Pages: 127-134 (2012)
[22]	Muresan-Pop, M., Kacso, I., Tripón, C. , Moldovan, Z., Borodi, G., Simon, S., Bratu, I., Spectroscopic and structural study of the ambazone hydrochloride, JOURNAL OF

	THERMAL ANALYSIS AND CALORIMETRY Volume: 104 Issue: 1 Pages: 299-306 DOI: 10.1007/s10973-010-1171-4 (2011)
[23]	Hangan, A., Borodi, G., Filip, X., Tripon, C. , Morari, C., Oprean, L., Filip, C., Structure of N-(5-ethyl-[1,3,4]-thiadiazole-2-yl)toluenesulfonamide by combined X-ray powder diffraction, ¹³ C solid-state NMR and molecular modelling, ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE Volume: 66 Pages: 615-621 DOI: 10.1107/S0108768110039327 Part: 6 (2010)
[24]	Aluas, M., Tripon, C. , Griffin, JM., Filip, X., Ladizhansky, V., Griffin, RG., Brown, SP., Filip, C., CHHC and ¹ H- ¹ H magnetization exchange: Analysis by experimental solid-state NMR and 11-spin density-matrix simulations, JOURNAL OF MAGNETIC RESONANCE Volume: 199 Issue: 2 Pages: 173-187 DOI: 10.1016/j.jmr.2009.04.013 (2009)
[25]	Bradley, JP., Tripon, C. , Filip, C., Brown, SP., Determining relative proton-proton proximities from the build-up of two-dimensional correlation peaks in H-1 double-quantum MAS NMR: insight from multi-spin density-matrix simulations, PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 11 Issue: 32 Pages: 6941-6952 DOI: 10.1039/b906400a (2009)
[26]	Filip, X., Tripon, C. , Aluas, M., Filip, C., New solid state-NMR techniques for investigating structure and dynamics in soft solids and biomaterials, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 10 Issue: 9 Pages: 2277-2281 (2008)
[27]	Aluas, M., Tripon, C. , Filip, X., Filip, C., Extracting intramolecular dynamics informations from conventional and remote protons CP/MAS NMR build-up curves, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 9 Issue: 3 Special Issue: SI Pages: 664-667 (2007)
[28]	Griffin, JM., Tripon, C. , Samoson, A., Filip, C., Brown, SP., Low-load rotor-synchronised Hahn-echo pulse train (RS-HEPT) H-1 decoupling in solid-state NMR: factors affecting MAS spin-echo dephasing times, MAGNETIC RESONANCE IN CHEMISTRY Volume: 45 Pages: S198-S208 DOI: 10.1002/mrc.2145 Supplement: S (2007)
[29]	Toloman, D., Tripon, C. , Giurgiu, LM., Ardelean, I., EPR and IR structural investigations on xMnO·(1-x)[3P(2)O(5)-CaO] glass system, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 8 Issue: 3 Pages: 1109-1110 (2006)
[30]	Tripon, C. , Aluas, M., Filip, X., Filip, C., Polarization transfer from remote protons in C-13, JOURNAL OF MAGNETIC RESONANCE Volume: 183 Issue: 1 Pages: 68-76 DOI: 10.1016/j.jmr.2006.07.019 (2006)
[31]	Tripon, C. , Toloman, D., Aluas, M., Filip, C., Ardelean, I., Structural investigation of the xV(2)O(5)(1-X)[(Bi2O3B2O3)-B-center dot] glasses by IR absorbtion, EPR and NMR, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 8 Issue: 3 Pages: 1129-1131 (2006)
[32]	Filip, X., Tripon, C. , Filip, C., Heteronuclear decoupling under fast MAS by a rotor-synchronized Hahn-echo pulse train, JOURNAL OF MAGNETIC RESONANCE Volume: 176 Issue: 2 Pages: 239-243 DOI: 10.1016/j.jmr.2005.06.007 (2005)