

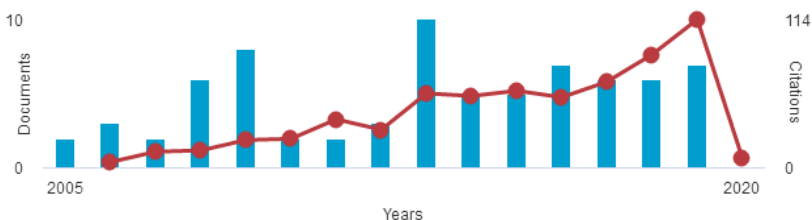
## Publication Lists (2005 – present):



**Adrian Pîrnău**

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**Total number of publications: 80**  
**Total number of ISI publications: 73**  
**Total number of independent ISI citations: 511**  
**Hirsch index: 14**



### Articles (ISI)

1. *Vibrational Spectroscopy and Theoretical Studies on 2,4-dinitrophenylhydrazine*, V. Chiş, S. Filip, V. Miclăuş, A. Pîrnău, C. Tănăselia, V. Almăşan, M. Vasilescu, J. Mol. Struct. 744-747, 363-368 (2005)
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3. *Experimental and theoretical investigation of 5-para-fluoro-benziliden-thiazolidin-2-tion-4-ona*, M. Baias, A. Pîrnău, V. Chiş, O. Cozar, M. Vasilescu, J. Opt. Adv. Mat., 8 (1), 205-207 (2006)
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5. *Mobile NMR: Applications to Materials and Biomedicine*, N. O. Goga, A. Pîrnău\*, L. Szabo, R. Smeets, D. Riediger, O. Cozar, B. Blümich, J. Opt. Adv. Mat., 8 (4), 1430-1434 (2006)
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7. *Theoretical And Experimental Study of Aripriprazole molecule*, L. Szabo, V. Chiş, A. Pîrnău, B. Simon, O. Cozar, S. Orosz, J. Opt. Adv. Mat., 9 (3), 599-604 (2007)
8. *Time-Dependent Diffusion Studies on Miglyol Molecules Confined in Permeable Polymeric Capsules*, M. Bogdan, A. Pîrnău, C. Badea, I. Ardelean, Appl. Mag. Res., 34, 63-69 (2008)
9. *X-ray, <sup>1</sup>H NMR and DFT studies on two benzylidene-thiazolidine derivatives*, V. Chiş, A. Pîrnău, M. Vasilescu, R. A. Varga, O. Oniga, J. Mol. Struct. (Theochem), 851, 63-74 (2008)

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12. *Binding interaction of indomethacin with human serum albumin*, M. Bogdan, A. Pîrnău, C. Floare, Carmen Bugeac, *Journal of Pharmaceutical and Biomedical Analysis*, 47, 981–984 (2008)
13. *Raman, SERS and DFT investigations of two metalchelating compounds*, N. Leopold, V. Chiş, I.B. Cozar, L. Szabo, A. Pîrnău, O. Cozar, *Opt. and Adv. Mat. Vol. 2, No. 5*, 278 – 283 (2008)
14. *Raman spectroscopic and DFT theoretical study of 4-(2-pyridylazo)resorcinol and its complexes with zinc(II) and copper(II)*, N. Leopold, L. Szabó, A. Pîrnău, M. Aluaş, L. F. Leopold, V. Chiş, O. Cozar, *J. Mol. Struct.*, 1-3, 919, 94-99 (2009)
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17. *Synthesis of a new series of Thyazolylmethyl (Carbonyl-Methyl) – Oxi – Benzaldehyde Derivatives*, C. Moldovan, O. Oniga, B. Tiperciuc, P. Verite, A. Pîrnău, M. Bojiţă, *FARMACIA*, Vol. 57, 4, 452-462 (2009)
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48. *Determination of Isotopic Ratios and Metal Concentrations in Nicotiana tabacum (Tobacco)*, Z. Balazs, D. Ristoiu, D. A. Magdas, G. Cristea, A. Dehelean, C. Voica, R. Puscas, A. Pirnau\*, I. Feher, S. Radu, M. Vadan, *Analytical Letters*, 49, 364-377 (2016)
49. *NMR study and computational assays of meclofenamic Na salt and  $\beta$ -cyclodextrin inclusion complex*, M. Bogdan, C. G. Floare, L. Buimaga-Iarinca, C. Morari, A. Pirnau\*  
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55. *Design, Synthesis and Antifungal Activity Evaluation of New Thiazolin-4-ones as Potential Lanosterol 14 -Demethylase Inhibitors*, Anca Stana, Dan C. Vodnar, Radu Tamaian, Adrian Pîrnău, Laurian Vlase, Ioana Ionut, Ovidiu Oniga Brîndusa Tipericiuc, *Int. J. Mol. Sci.*, 18, 177 1 – 25 (2017)
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60. *"Calorimetric and spectroscopic studies of the interaction between zidovudine and human serum albumin"*, A. Pîrnău, M. Mic, S. Neamțu, C. G. Floare, M. Bogdan, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 191, 226–232 (2018)
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65. *"Design and synthesis of some novel 1,2,4-triazole-3-ylmercapto derivatives as potential anti-candida agents"*, A. Pricopie, L. Vlase, A. Pîrnău, D. C. Vodnar, G. Marc, C. Nastasă, A.M. Borcea, I. Ionuț, B. Tipericiuc, O. Oniga, FARMACIA, 66, 6, 948-958 (2018)

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69. *“Alternative approach of applying <sup>1</sup>H NMR in conjunction with chemometrics for wine classification”*, Dana Alina Magdas, Adrian Pirnau\*, Ioana Feher, Francois Guyon, Bogdan Ionut Cozar, *LWT - Food Science and Technology*, 109, 422–428 (2019)
70. *“New Phenolic Derivatives of Thiazolidine-2,4-dione with Antioxidant and Antiradical Properties: Synthesis, Characterization, In Vitro Evaluation, and Quantum Studies”*, Gabriel Marc, Anca Stana, Smaranda Oniga, Adrian Pîrnău, Laurian Vlase, Ovidiu Oniga, *Molecules*, 24, 2060, 1-19 (2019)
71. *“Design and Synthesis of Novel 1,3-Thiazole and 2-Hydrazinyl-1,3-Thiazole Derivatives as Anti Candida Agents: In Vitro Antifungal Screening, Molecular Docking Study, and Spectroscopic Investigation of their Binding Interaction with Bovine Serum Albumin”*, Andreea-Iulia Pricopie, Ioana Ionut, Gabriel Marc, Anca-Maria Arseniu, Laurian Vlase, Adriana Grozav, Luiza Ioana Gaina, Dan C. Vodnar, Adrian Pîrnău, Brîndusa Tiperciuc, Ovidiu Oniga, *Molecules*, 24, 3435, 1-21 (2019)
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73. *“Study of the binding affinity between imatinib and  $\alpha$ -1 glycoprotein using nuclear spin relaxation and isothermal titration calorimetry”*, Mihaela Mic, Adrian Pîrnău\*, Călin G. Floare, Mircea Bogdan, *International Journal of Biological Macromolecules*, accepted – in press (2020)

**Molecular structures**, deposited in Cambridge Crystallographic Data Center

1. CCDC Nr.635824 (5pBr-BTT)
2. CCDC Nr.635825 (5pF-BTT)
3. CCDC Nr.703556 (5pN-BTT)
4. CCDC Nr.795856 (2PTMQI)

**Book**

*Theoretic and experimental correlations in the analysis of some biomedical compounds*

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**Articles (non-ISI)**

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5. *“Metal-chelating compound investigated by Raman spectroscopy”*, L. Szabo, I.B. Cozar, N. Leopold, A. Pîrnău, V. Chiş, Studia UBB, Physica, L III, 1, 65-71 (2008)
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