

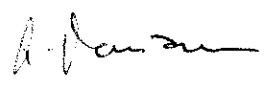
20/02.01.2016

**Către,**  
**Decanatul Facultății de Fizică**

Subsemnatul Grigore DAMIAN, profesor dr. la Universitatea "Babeș-Bolyai",  
Facultatea de Fizică, Departamentul Fizică Biomoleculară, îmi exprim decizia de a  
candida pentru funcția de membru în Consiliul profesoral al facultății.

Cluj-Napoca, 11.01.2016

Semnătura



## **Proiect de plan de promovare, dezvoltare și management**

privind candidatura de membru în Consiliul Facultății de Fizică a Universității  
"Babeș-Bolyai" Cluj-Napoca

Candidat: Prof.dr. Grigore DAMIAN

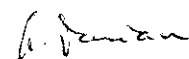
Proiectul propus, reprezintă o serie de deziderate pe care le consider importante, privind funcționarea și buna gestionare a activității didactice, de cercetare și a activității socio-culturale, pe perioada 2012-2016. Direcțiile pe care intenționez să le aduc în atenția Consiliului Facultății (în cazul în care voi fi ales) sau la care mă voi asocia, sunt corelate cu contextul social și academic al statutului învățământului superior actual, dar și de perspectivă privind continuarea și dezvoltarea activității didactice și științifice prin:

- promovarea facultății și a ofertei educaționale sub aspectul calităților activităților didactice, de cercetare științifică și a perspectivelor profesionale a absolvenților
- creșterea calității și eficacității activităților didactice prin analiza și compatibilizarea syllabusurilor
- armonizarea și utilizarea mai eficientă a laboratoarelor didactice și a bazei materiale de cercetare științifică de către studenți
- continuarea dezvoltării colaborărilor științifice cu grupurile de cercetare atât din Universitate și din alte centre naționale și internaționale
- susținerea și stimularea studenților pentru participarea la concursuri și conferințe științifice

Cluj-Napoca,

11.01.2016

Semnătura



EUROPEAN  
CURRICULUM VITAE  
FORMAT



Name GRIGORE  
Surname DAMIAN  
Actual position FULL PROFESSOR, PHD  
Address "Babes-Bolyai" University, Str.M. Kogalniceanu nr.1, Cluj-Napoca,  
RO- 400084, ROMANIA  
Telephone +40-264-40.53.00/ext. 5152  
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E-mail grigore.damian@phys.ubbcluj.ro  
Nationality Romanian

Place and date of birth Brusturi, jud. Neamt, 16 march 1957

**WORK EXPERIENCE**

- Dates (from – to) **1 OCTOBER 1991 - TODAY**
- Name and address of employer "Babes-Bolyai" University, Faculty of Physics, Department of Biomolecular Physics, Kogalniceanu 1A , RO-400084 Cluj-Napoca, Romania
- Type of business or sector Higher education and research
- Occupation or position held 1991 – 1997 – assistant professor;  
1997 – 2003 – lecturer;  
2003 – 2006 associate professor  
2006 – present – full professor, PhD supervisor  
Teaching, research and student supervised
- Main activities and responsibilities **15 JUNE 1987-1 OCTOBER 1991**
- Dates (from – to) National Institute for R&D for Isotopic and Molecular Technology, Cluj-Napoca, Romania
- Name and address of employer Research
- Type of business or sector Researcher
- Occupation or position held Researcher
- Main activities and responsibilities Research
- Dates (from – to) **31 AUGUST 1982 - 15 JUNE 1987**
- Name and address of employer Institute of Nuclear Research, Pitesti, Romania
- Type of business or sector Research
- Occupation or position held Researcher
- Main activities and responsibilities Research

**EDUCATION AND TRAINING**

- Dates (from – to) October 1992 – February 1997
- Name and type of organisation "Babes-Bolyai" University, Faculty of Physics
- Name and type of organisation providing education and training

• Principal subjects/occupational skills covered

• Title of qualification awarded

• Level in national classification (if appropriate)

• Dates (from – to)

• Name and type of organisation providing education and training

• Principal subjects/occupational skills covered

• Title of qualification awarded

• Level in national classification (if appropriate)

• Dates (from – to)

• Name and type of organisation providing education and training

• Principal subjects/occupational skills covered

• Title of qualification awarded

• Level in national classification (if appropriate)

• Dates (from – to)

• Name and type of organisation providing education and training

• Principal subjects/occupational skills covered

• Title of qualification awarded

• Level in national classification (if appropriate)

**PERSONAL SKILLS AND COMPETENCES**

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.

**MOTHER TONGUE**

**OTHER LANGUAGES**

- Reading skills
- Writing skills
- Verbal skills

*Molecular physics/ biophysics /EPR and FT-IR spectroscopy*

- the effect of pharmaceutical stress testing (sterilization, oxidation and photolysis) on the drug substance and foods (free radicals formation, identification and determination of their structure)
  - the conformational changes of secondary structure of proteins in different biochemical conditions and lyophilizations
  - utilization of spin labels and spin trap in the study of biological processes
  - free radicals in environment and biological, biomedical systems and their effects
- PhD in Physics (1997). Title of the Ph.D thesis: "Study of the structure and dynamics of some molecular complexes adsorbed on porous surfaces"

Postgraduated

September 1977 – June 1981

University of Bucharest, Faculty of Physics, Romania

Physics

Physicist

University Graduated (BS)

September 1981 – June 1982

University of Bucharest, Faculty of Physics, Romania

Nuclear Physics

Nuclear Physicist

University Postgraduated (M.Sc.)

September 1972 – June 1976

"Stefan cel Mare" High School, Tg.Neamt, Neamt, Romania

Mathematics and Physics

High school diploma

High school graduated

**ROMANIAN**

**ENGLISH**

Good  
Good  
Basic

- Reading skills
- Writing skills
- Verbal skills

**FRENCH**

Good  
Good  
Basic

**SOCIAL SKILLS  
AND COMPETENCES**

*Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.*

I have colleagues which I work everyday, and more students and PhD students supervised. In this position communication and teamwork is very important and essential

**ORGANISATIONAL SKILLS  
AND COMPETENCES**

*Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.*

- Director of *Free Radicals Research Center (FRRC)* from "Babes-Bolyai" University
- Expert evaluator for research project funding by Romanian National Research Council (CNCS) [www.experti-cdi.ro](http://www.experti-cdi.ro)
- Member of National Register of ARACIS Evaluators ([http://pfe.aracis.ro/inscriere/registru/lista\\_comisii/](http://pfe.aracis.ro/inscriere/registru/lista_comisii/))

**TECHNICAL SKILLS  
AND COMPETENCES**

*With computers, specific kinds of equipment, machinery, etc.*

Most of my work is reaserch, so this implies reaserch on internet and correspondence by e-mail. My activity also implies technical skills with computers, such as text proccessing, databases, computer simulations, spreadsheet.

**ARTISTIC SKILLS  
AND COMPETENCES**

*Music, writing, design, etc.*

Fine arts. I have some exhibition

**OTHER SKILLS  
AND COMPETENCES**

*Competences not mentioned above.*

**DRIVING LICENCE(S)**

Yes

**ADDITIONAL INFORMATION  
ANNEXES**

Selected list of publications



## SELECTED LIST OF PUBLICATIONS

## A) Books (in romanian)

1. Grigore Damian, *Curs de fizica nucleară (Nuclear Physics Course)*, Ed. University Babes-Bolyai, Cluj-Napoca, 2009
2. Grigore Damian "Surse de radiații nucleare" (Sources of nuclear radiations), Ed. Casa Cartii de Stiinta, Cluj-Napoca 2005
3. Grigore Damian "Reacții nucleare. Aplicații analitice" (Nuclear reactions. Analytical applications), Ed. University Babes-Bolyai, Cluj-Napoca, 2003
4. G. Damian, V. Miclaus "Radicali Nitroxidici" (Nitroxide Radicals) Ed. EFES, Cluj-Napoca 2001
5. Grigore Damian, "Procese moleculare de adsorbție pe suprafețe" (Molecular processes of adsorption on surfaces), Ed. University Babes-Bolyai, Cluj-Napoca, 2000

## B) Articles in journals / contributions

1. Bianca Mureșan, Claudia Cimpoiu, Anamaria Hosu, Cristina Bischin, Emese Gal, **Grigore Damian**, Eva Fischer-Fodor, Radu Silaghi-Dumitrescu, (2015) Antioxidant content in Romanian, traditional distilled alcoholic beverages, *Studia UBB Chemia*, LX, 2, Tom II, 355-370
2. Augustin C Mot, Cristina Bischin, Bianca Muresan, Marcel Parvu, **Grigore Damian**, Laurian Vlase, Radu Silaghi-Dumitrescu, (2015), Antioxidant activity evaluation by physiologically relevant assays based on haemoglobin peroxidase activity and cytochrome c-induced oxidation of liposomes, *Natural Product Research*, Jul 24:1-5, DOI:10.1080/14786419.2015.1054824
3. Augustin C. Mot, Cristina Bischin, **Grigore Damian**, Radu Silaghi-Dumitrescu, (2015), Antioxidant Activity Evaluation Involving Hemoglobin-Related Free Radical Reactivity, in „Advanced Protocols in Oxidative Stress III”, Donald Armstrong (Ed.), *Methods in Molecular Biology*, Volume 1208, 2015, pp 247-255, ISBN: 978-1-4939-1440-1, Doi: 10.1007/978-1-4939-1441-8\_18
4. Cristina Bischin, Camelia Tusan, Agota Bartok, Raluca Septelean, **Grigore Damian** & Radu Silaghi-Dumitrescu, (2015), Evaluation of the Biochemical Effects of Silyl-Phosphaalkenes on Oxidative and Nitrosative Stress Pathways Involving Metallocenters, *Phosphorus, Sulfur, and Silicon and the Related Elements*, 190(3), 292-299, DOI:10.1080/10426507.2014.884090
5. Denisa Hathazi, Sonia Diana Mahuț, Florina-Violeta Scurtu, Cristina Bischin, Corina Stanciu, Amr Ali Attia, **Grigore Damian**, Radu Silaghi-Dumitrescu, (2014), Involvement of ferryl in the reaction between nitrite and the oxy forms of globins, *JBIC Journal of Biological Inorganic Chemistry*, 19(7), 1233-1239
6. Daniela Benedec, Iliora Oniga, Bianca Muresan, Augustin C. Mot, **Grigore Damian**, Adriana Nistor, Radu Silaghi-Dumitrescu, Daniela Hanganu, Mihaela Duma, Laurian Vlase, (2014), Contrast between Water- and Ethanol-Based Antioxidant Assays: Aspen (*Populus tremula*) and Black Poplar (*Populus nigra*) Extracts as a Case Study, *Journal of Food Quality*, 37(4), 259-267, doi: 10.1111/jfq.12090
7. Laurian Vlase, Daniela Benedec, Daniela Hanganu, **Grigore Damian**, Ioan Csillag, Bogdan Sevastre, Augustin C. Mot, Radu Silaghi-Dumitrescu and Ioan Tilea (2014), Evaluation of Antioxidant and Antimicrobial Activities and Phenolic Profile for *Hyssopus officinalis*, *Ocimum basilicum* and *Teucrium chamaedrys*, *Molecules*, 19(5), 5490-5507; doi:10.3390/molecules19055490
8. Hathazi, D., Mot, A.C., Vaida, A., Scurtu, F., Lupan, I., Fischer-Fodor, E., **Damian, G.**, Kurtz, D.M., Silaghi-Dumitrescu, R., (2014), Oxidative protection of hemoglobin and hemerythrin by cross-linking with a nonheme iron peroxidase: Potentially improved oxygen carriers for use in blood substitutes, *Biomacromolecules* 15(5), 1920-1927, DOI:10.1021/bm5004256,
9. Istvan Mihaly Takacs, Augustin Mot, Radu Silaghi-Dumitrescu, **Grigore Damian** (2014), EPR investigation of libration motion of spin labeled hemerythrin, *Journal of Molecular Structure*, 1073, (18–23) <http://dx.doi.org/10.1016/j.molstruc.2014.01.074>
10. Luiza Găină, Ioana Torje, Emese Gal, Alexandru Lupan, Cristina Bischin, Radu Silaghi-Dumitrescu, **Grigore Damian**, Peter Lönnecke, Castelia Cristea, Luminița Silaghi-Dumitrescu, (2014) Microwave assisted synthesis, photophysical and redox properties of (phenothiazinyl)vinyl-pyridinium dyes, *Dyes and Pigments*, 102, 315-325, DOI:10.1016/j.dyepig.2013.10.044
11. Augustin Cătălin Moț, Cristina Coman, Carmen Miron, **Grigore Damian**, Costel Sarbu, Radu Silaghi-Dumitrescu (2014), An assay for pro-oxidant reactivity based on phenoxyl radicals generated by Laccase, *Food Chemistry*, 143, 214-222, <http://dx.doi.org/10.1016/j.foodchem.2013.07.128>
12. Takacs IM, Mot A, Silaghi-Dumitrescu R, **Damian G.** (2013) Study of Mobility Hemoglobin Side Chains by Spin Labeled EPR Spectroscopy, *Studia UBB Physica*, Vol 58 (LVIII), 1:49-58.
13. Bensouici, A. ; Ayadi, M. ; losin, M. ; **Damian, G.** ; Plaza, J.L. ; Astilean, S. ; Sebais, M. ,(2013), Chemical decomposition of CdTe and CdBr2 dopants in KBr, *15th International Conference on Transparent Optical Networks (ICTON 2013)*, DOI: 10.1109/ICTON.2013.6602899, p. 1-3
14. Pompei Bolfa, Raluca Vidrighinescu, Andrei Petruța, Dan Dezmirean, Laura Stan, Laurian Vlase, **Grigore Damian**, Cornel Catoi, Adriana Filip, Simona Clichici, (2013), Photoprotective effects of Romanian propolis on skin of mice exposed to UVB irradiation, *Food and Chemical Toxicology*, 62, 329-342
15. Delia Marcu, **Grigore Damian**, Constantin Cosma and Victoria Cristea, (2013), Gamma radiation effects on seed germination, growth and pigment content, and ESR study of induced free radicals in maize (*Zea mays*), *Journal of Biological Physics*, 39(4) 625-634, doi: 10.1007/s10867-013-9322-z

16. Daniela Benedec, Laurjan Vlase, Iliora Oniga, Augustin C. Mot, **Grigore Damian**, Daniela Hanganu, Mihaela Duma and Radu Silaghi-Dumitrescu. (2013), Polyphenolic Composition, Antioxidant and Antibacterial Activities for Two Romanian Subspecies of *Achillea distans* Waldst. et Kit. ex Willd, *Molecules*, 18(8), 8725-8739; doi:10.3390/molecules18088725
17. Istvan Mihaly Takacs, Augustin Mot, Radu Silaghi-Dumitrescu, **Grigore Damian**, (2013) Site directed spin labeling Hemerythrin and hemoglobin, *Studia UBB, seria Chemia*, 58(2), pp. 61-69,
18. Jean de Dieu Tamokou, Jean Rodolphe Choua, Eva Fischer-Fodor, Gabriela Chereches, Otilia Barbos, **Grigore Damian**, Daniela Benedec, Mihaela Duma, Alango Pèpin Nkeng Efouet, Hippolyte Kamdem Wabo, Jules Roger Kuate, Augustin Mot, Radu Silaghi-Dumitrescu (2013), Anticancer and Antimicrobial Activities of Some Antioxidant-Rich Cameroonian Medicinal Plants, *PLoS ONE*, e55880, 8(2), pp. 1-14
19. C. Ivaşcu, I.B. Cozar, L. Dărăban, **G.Damian**, (2013). Spectroscopic investigation of P<sub>2</sub>O<sub>5</sub>-CdO-Li<sub>2</sub>O glass system, *Journal of Noncrystalline Solids*, 359, pp 60-64, <http://dx.doi.org/10.1016/j.noncrysol.2012.10.008>
20. Todica, M. , Udrescu, L., **Damian, G**, Astilean, S. (2013). Spectroscopic investigation of PVA-TiO<sub>2</sub> membranes gamma irradiated, *Journal of Molecular Structure*, 1044, pp 328-330, <http://dx.doi.org/10.1016/j.molstruc.2012.12.006>
21. Augustin C. Mot, Marcel Părvu, **Grigore Damian**, Zsuzsanna Darula, Katalin F. Medzihradsky, Balazs Brem, Radu Silaghi-Dumitrescu (2012), A "yellow" laccase with "blue" spectroscopic features, from *Sclerotinia sclerotiorum*, *Process Biochemistry*, 47(6), pp. 968-975, doi.org/10.1016/j.procbio.2012.03.006
22. Daniela Cioloboc, Adrian-Raul Tomşa, **Grigore Damian**, Radu Silaghi-Dumitrescu (2012), High spin to low spin change induced by reductive chemistry with iron-substituted Dawson polyoxometalate, *Inorganic Chemistry Communications*, doi: 10.1016/j.inoche.2012.02.019
23. Laura Bolojan, István Mihály Takács, Vasile Miclaus and **Grigore Damian** (2012). EPR study of superoxide radicals from potassium superoxide. *Applied Magnetic Resonance*, 42(3), pp. 333-341, DOI: 10.1007/s00723-011-0310-9
24. Nicoleta Simona Vedeanu, Dana Alina Magdas, Laura Bolojan and **Grigore Damian** (2012). Antioxidant potential and authenticity of some commercial fruit juices studied by EPR and IRMS. *Chemical Papers*, 66(6), pp. 612-616. DOI: 10.2478/s11696-011-0115-1
25. Augustin C. Mot, Sergei A. Syrbu, Sergei V. Makarov, **Grigore Damian**, Radu Silaghi-Dumitrescu (2012). Axial ligation in water-soluble copper porphyrinates: contrasts between EPR and UV-vis. *Inorganic Chemistry Communications*, 18, pp. 1-3, doi.org/10.1016/j.inoche.2011.12.030
26. Dana Alina Magdas, Nicoleta Simon Vedeanu, Laura Bolojan, Romulus Puscas, **Grigore Damian** (2011). Comparative study between single strength juice and commercial natural juices by IRMS and EPR. *Studia Universitatis Babeş-Bolyai Chemia*, LVI, 2, pp. 19 – 27.
27. Doina Prodan, Laura Silaghi-Dumitrescu, Prejmean Cristina, Radu Silaghi-Dumitrescu, Laura Bolojan, **Grigore Damian** (2011). Evaluation of Free Radical Concentration in Some New Dental Composite Materials by ESR Spectroscopy. *Studia Universitatis Babeş-Bolyai, Chemia*, Volume 56 (LVI), pp. 201-206.
28. Bianca Iacob, Florina Deac, Daniela Cioloboc, **Grigore Damian**, Radu Silaghi-Dumitrescu (2011), Hemoglobin-albumin crosslinked copolymers: reduced prooxidant reactivity. *Artificial Cells, Blood Substitutes and Biotechnology*, 39(5), pp. 293-297. doi:10.3109/10731199.2011.563362
29. Cristina Bischin, Florina Deac, Radu Silaghi-Dumitrescu, Jonathan A. R. Worrall, Badri S. Rajagopal, **Grigore Damian** and Chris E. Cooper (2011), Ascorbate peroxidase activity of cytochrome c, *Free Radical Research*, 45(4), pp. 439-444
30. Dana Alina Magdas, Nicoleta Simona Vedeanu, Laura Bolojan, Romulus Puscas and **Grigore Damian** (2011), Comparative study between single strength juice and commercial natural juice by IRMS and EPR, *Studia UBB, Chemia*, LVI, 2, pp 19-27
31. Deac Florina, Iacob Bianca, Eva Fischer-Fodor, **Grigore Damian**, Radu Silaghi-Dumitrescu (2011), Derivatization of hemoglobin with periodate-generated reticulation agents: evaluation of oxidative reactivity for potential blood substitutes, *Journal of Biochemistry*, 149 (1), pp. 75-82.
32. Anamaria Hosu, Claudia Cimpoi, Vasile Miclaus, **Grigore Damian**, Irina Tarsiche, Nastasia Pop (2010), Influence of Intermittent Heating during Maceration on the Antioxidant Capacity of some Grape Seeds and Skins, *Not. Bot. Hort. Agrobot. Cluj* 38 (1), pp. 41-43
33. Augustin Mot, Kis Zoltan, Dimitri A. Svistunenko, **Grigore Damian**, Radu Silaghi-Dumitrescu, Sergei V. Makarov (2010), 'Super-reduced' iron under physiologically-relevant conditions, *Dalton Trans*, 39, pp.1464-1466
34. Augustin-Catalin Mot, **Grigore Damian**, Costel Sarbu, Radu Silaghi-Dumitrescu (2009), Redox reactivity in propolis: direct detection of free radicals in basic medium and interaction with hemoglobin, *Redox Report*, 14(6), pp. 267-274(8)
35. Adrian-Raul Tomşa, Daniela Cioloboc, Ana Maria Todea, Radu Silaghi-Dumitrescu, **Grigore Damian**, and Mariana Rusu (2009), Synthesis, spectroscopic and electrochemical characterization of new Chromium (III) substituted Dawson polyoxometalate, *Studia Universitatis Babeş-Bolyai, Chemia*, LIV, 4, pp. 95-105
36. Dina Petrisor, **Grigore Damian**, Simion Simon, Ana Maria Hosu, Vasile Miclaus (2008), Antioxidant activity, of some types of white wines and juices investigated by EPR spectroscopy, *Modern Physics Letters B*, 22(27), pp. 2689-2698
37. Dina Petrisor, **Grigore Damian**, Simion Simon (2008), Gamma-irradiated Extravit M nutritive supplement studied by Electron Paramagnetic Resonance Spectroscopy, *Radiation Physics and Chemistry*, 77(4), pp.463-466
38. Cimpoi, C., Hosu, A., **Damian, G.**, Miclaus, V., (2007): EPR and spectrophotometric investigation of the antioxidant capacity of some romanian grapes and wines. *European Biophysics Journal with Biophysics Letters*, 36, pp.171-172.
39. S. Cavalu, S. Cîntă Pînzaru, N. Peica, **G. Damian**, W. Kiefer (2007), Adsorption behavior of hyaluronidase onto silver nanoparticles and PMMA bone substitute, *Journal of Optoelectronics and Advanced Materials*, vol.9.,nr.3, pp. 689-692

40. I. D. Postescu, C. Tatomir, G. Chereches, I. Brie, **G. Damian**, D. Petrisor, A-M. Hosu, V. Miclaus, A. Pop (2007), Spectroscopic characterization of some grape extracts with potential role in tumor growth inhibition, *Journal of Optoelectronics and Advanced Materials*, vol.9.,nr.3, pp. 564-567
41. I. Bratu, M. T. Cotisel, **G. Damian**, A. Mocanu, (2007) Secondary structure analysis of barley aleurone holoprotein by FTIR spectroscopy, *Journal of Optoelectronics and Advanced Materials*, vol.9.,nr.3, pp. 675-677
42. **Grigore Damian**, Dina Petrisor, Vasile Miclaus (2007) Free Radicals Detection by ESR PBN Spin-Trap Technique, *Journal of Optoelectronics and Advanced Materials*, vol.9.,nr.4, pp. 1010-1013
43. **G. Damian**, G. Schmutzer, D. Petrisor (2007), Investigation of light-induced free radicals in nifedipine, *Journal of Optoelectronics and Advanced Materials*, vol.9.,nr.3, pp. 680-683
44. Cozar, D. A. Magdas, L. Nasdala, I. Ardelean, **G. Damian**, (2006) Raman Spectroscopic Study of some lead phosphate glasses with tungsten ions, *Journal of Non-Crystalline Solids*, 352, 28-29, 3121-3125
45. Cimpoiu, C., Casoni, D., Hosu, A., Miclaus, V., **Damian, G.**, Hodisan, T., (2005): Separation and Identification of Eight Hydrophilic Vitamins Using New TLC Method and Raman Spectroscopy. *J. Liq. Chromatogr. Related Techn.* 28, 16, 2551-2559
46. **G.Damian**, S.Cavalu, (2005) Comparative study of amide I and III bands of ovalbumin and bovine serum albumin by FTIR Spectroscopy, *Asian Chemistry Letters*, 91-2, 3-8
47. T.Jurca, S.Cavalu, **G.Damian**, F.Banica (2004) ATR FT-IR studies of transitional nicotinamide *Rev. Chim.* 55, 7, 492-495
48. **G.Damian**, (2003) EPR study of free radicals of irradiated Metoclopramid and Odansetron, *Talanta*, 60, 923-927
49. S.Cavalu, **G.Damian** (2003), Rotational correlation times of 3-carbamoyl-2,2,5,5-tetramethyl-3-pyrrolin-1-yloxy spin label with respect to heme and nonheme proteins, *Biomacromolecules*, 4(6), pp.1630-1635
50. C.Cimpoiu, V.Miclaus, **G.Damian**, M.Puia, D.Casoni, C.Bele, T.Hodisan (2003), Identification of new phthalazine derivatives by HPTLC-FTIR and characterization of their separation using some molecular properties, *J. Liq. Chromatography & Related Technologies*, 26(16),pp. 2687-2696
51. **G.Damian**, S.Cintă-Pinzaru, S.Cavalu (2003), Vibrayoni and EPR spectroscopy of noncovalent spin labeled ovalbumin" in *Colloquium Spectroscopicum Internationale*, J.M.Costa Fernandez, J.M.Vadillo Perez (eds), CSI XXXIII Granada, Spain, 7-12 september 2003, <http://www.csixxxiii.org.book-of-abstracts.pdf>
52. C.Cimpoiu, V. Miclaus, **G. Damian** and S.Hodisan (2002), Separation and identification of some nitroxidic derivatives of nicotinic acid and isonicotinic acid by high performance thin layer chromatography(HTPLC)coupled with electronic paramagnetic resonance(EPR), *J. Liq. Chromatography & Related Technologies*, 25(12), 1515-1520
53. S.Cavalu, **G.Damian**, M.Dânşoreanu, (2002) EPR study of noncovalent spin labelled serum albumin and haemoglobin, *Biophysical Chemistry*, 99(2) pp.181-188
54. N. Leopold, S. Cinta Pinzaru, **G. Damian**, O. Cozar, J. Popp and W. Kiefer (2002), Raman and surface enhanced Raman study of metoclopramide at different pH values ", *Proceeding on XVIIth International Conference on Raman Spectroscopy 25-30 August, 2002 Budapest, Hungary*
55. O. Cozar, L. David, V. Chis, **G. Damian**, M. Todica, C. Agut (2001), IR and ESR studies on some dimeric copper(II) complexes", *J. of Mol. Structure*, 563-564, pp.371-375
56. S.Cavalu, **G.Damian**, M.Dansoreanu, C.M.Lucaciu (2000), Blood proteins interactions with nitroxide radicals by EPR, *Extended Abstract on 30th CONGRESS AMPERE on Magnetic and related Phenomena, Lisbon, Portugal, 23-28 July 2000*
57. M.Todica, O.Cozar, G.Damian, L.David, V.Chis (1999), NMR and ESR Study of local Dynamics in some polyisoprene solutions, *J. of Mol. Structure*, 482-483, pp. 353-357
58. G.Damian, V.Miclaus, O.Cozar, M.Todica, L.David, V.Chis, D.Ristoiu, S.Farcas (1999), EPR Study of some Copper Heterocyclic Azomethine complexes adsorbed on X and Y zeolites, *J. of Mol. Structure*, 482-483, pp. 287-289
59. E.Forizs, L.David, O.Cozar, V.Chis, G.Damian, J. Csibi (1999), IR and ESR studies on novel Cu(II) theophyllinato complexes containing mono- or bidentate ligands, *J. of Mol. Structure*, 482-483, pp. 143-147
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