

## PUBLICATIONS (August 2017)

- I. Books/ book chapters: 4
- II. ISI Papers: 71
- III. Papers in national and international journals, indexed in other databases (BDI): 49
- IV. Papers in Conferences Proceedings and Abstracts: >184

### I: Books/ Book Chapters

#### a) national

1. Aplicații ale spectroscopiei vibraționale,  
T. Iliescu, **S. Cîntă Pînzaru**, D. Maniu, R. Grecu, S. Aștilean,  
Ed. Casa Cărții de Știință, Cluj-Napoca 2012, ISBN 973-686-292-5.
2. Spectroscopia Raman și SERS cu aplicații în biologie și medicină  
T. Iliescu, **Simona Pînzaru**  
First edited by M. Trifu, Casa Cartii de Știința, Cluj-Napoca, 11/2011.  
ISBN: 978-973-133-887-3

#### b) international

1. Vibrational Spectroscopy and Theoretical Studies on Organometallic Complexes,  
D. Moigno, I. Pavel, **S. Cîntă** and W. Kiefer, Chapter in *Recent Research Developments in Organometallic Chemistry*, Vol. 4 (2001, P11-39; Ed. S. G. Pandalay, (ISBN:81-7736-064-7), Research Signpost, Trivandrum, India
2. SERS and Pharmaceuticals, **Simona Cîntă Pînzaru**, I. Pavel, in *Surface Enhanced Raman Spectroscopy - Analytical, Biophysical and Life Science Applications*, Ed. S. Schluecker, WILEY-VCH Verlag, pp129-154, Wiley-VCH, Weinheim, Germany, 12/2010;  
DOI:10.1002/9783527632756.ch6; ISBN: 9783527632756 pp.129 – 154.

### II. Papers in ISI Indexed Journals

1. pH influence on the Raman spectra of PP vitamin in solution and on silver sol,  
T. Iliescu, **S. Cîntă**, S. Astilean, I. Bratu  
J. Mol. Struct. 410-411, 193-194, (1997).
2. Vibrational and orientation studies of 2,4-diamino-6-phenyl-1,3,5 triazine on the silver colloidal surface,  
**S. Cîntă**, T. Iliescu, M. Venter, O. Cozar  
J. Mol. Struct. 410-411, 189-193, (1997).
3. Raman Spectroscopic investigations of oxide glass system  $(3B_2O_3 \cdot K_2O)_xMO$ , (MO =  $V_2O_5$  or CuO),  
Maniu D., Ardelean I., Iliescu T., **Cîntă S.**, Cozar O.  
J. Mol. Struct. 410-411, 291-294, (1997).

4. FT-Raman studies on new triphenylphosphin-copper(I) triazenido complexes,  
**S. Cîntă**, M. Venter, C. Fickert, I. Haiduc, P. Scholz, W. Kiefer,  
J. Mol. Struct. 446, 209, (1998).
5. Vibrational Studies of B<sub>6</sub> Vitamin  
**S. Cîntă**, T. Iliescu, D. Maniu, C. Morari, M. Aluas, O. Cozar and W. Kiefer,  
Vibrational Spectroscopy, 19 (1999) 329-334.
6. SERS Application in Elucidation of the Nature of Homologue Cu(I) Triazenido Complexes  
**S. Cîntă**, M. Venter, T. Iliescu, O. Cozar, and W. Kiefer,  
Vibrational Spectroscopy, 19 (1999) 223-226.
7. 1,4-Benzodiazepine drugs adsorption the Ag colloidal surface  
**S. Cîntă**, T. Iliescu, S. Astilean, L. David, O. Cozar and W. Kiefer  
J. Mol. Struct. 482-483 (1999) 685-688.
8. SERS Mechanisms of the PP Vitamin on Different Au and Ag Substrates  
**S. Cîntă**, E. Vogel, D. Maniu, T. Iliescu, and W. Kiefer  
J. Mol. Struct. 482-483 (1999) 679-684.
9. Raman spectroscopic investigations on oxide glass system (1-x) [3B<sub>2</sub>O<sub>3</sub>·K<sub>2</sub>O]·x TiO<sub>2</sub>  
D. Maniu, I. Ardelean, T. Iliescu, **S. Cîntă**, V. Nagel, W. Kiefer  
J. Mol. Struct. 480-481 (1999) 657-659.
10. FT-Raman and SERS spectra of Rivanol in silver sol,  
T. Iliescu, **S. Cîntă**, W. Kiefer  
Talanta, 53, (2000) 121-124.
11. Vibrational behavior of transition metal cupferronato complexes. Part II. Raman and SERS studies on nickel(II) cupferronato complexes  
I. Pavel, **S. Cîntă**, M. Venter, A. Deak, I. Haiduc, P. Rösch, O. Cozar, T. Iliescu, W. Kiefer,  
Vibrational Spectroscopy, 23, 2000, 71-76.
12. Vibrational behavior of transition metal cupferronato complexes. Raman studies on cobalt(II) cupferronato derivatives  
M. Bolboaca, **S. Cîntă**, M. Venter, A. Deak, I. Haiduc, O. Cozar, T. Iliescu, P. Roesch, W. Kiefer,  
Spectrosc. Lett. 33(6), 2000, 857-865.
13. Raman and Surface Enhanced Raman Spectroscopy of Tempyo spin labeled Ovalbumin,  
**S. Cîntă Pînzaru**, S. Cavalu, N. Leopold, R. Petry, W. Kiefer,  
J. Mol. Str. 565-566, (2001), 225-229.
14. Vibrational Raman and Surface-Enhanced Raman Spectroscopy of Tempyo labelled proteins: cytochrome c and bovine serum albumin  
**S. Cîntă Pînzaru**, S. Cavalu, N. Leopold, W. Kiefer,  
Biopolymers/ Biospectroscopy, 62, 6, 341-348, 2001.
15. Surface enhanced Raman spectroscopy and theoretical studies on 1, 4 dihydrazinophthalazine sulfate,  
I. Pavel, D. Moigno, **S. Cîntă**, W. Kiefer,  
The Journal of Physical Chemistry A; 106(14); 3337-3344, 2002.
16. Vibrational spectroscopy of betulinic acid HIV inhibitor and of its birch bark natural source  
**S. Cîntă Pînzaru**, N. Leopold, W. Kiefer,  
Talanta, 57/4, pp 625-631, 2002.
17. Raman microspectroscopic study on low-pH-induced DNA structural transitions in the presence of magnesium ions,  
C. Muntean, G. J. Puppels, J. Greve, G. M. J. Segers-Nolten, **S. Cîntă Pînzaru**,

J. Raman Spectrosc., 33, 10, p. 784-788, 2002.

18. Theoretical and pH dependent surface enhanced Raman spectroscopy study on caffeine

I. Pavel, A. Szeghalmi, D. Moigno, **S. Cîntă Pînzaru**, W. Kiefer,  
Biopolimers (Biospectrosc). 72, P.25-37, 2003

19. Raman study of B<sub>2</sub>O<sub>3</sub>-CaO glasses,

D. Maniu, T. Iliescu, I. Ardelean, **S. Cîntă Pînzaru**, N. Tarcea, W. Kiefer,  
J. Mol. Struct., 651-653 (2003) 485-488.

20. Vibrational properties of the free and adsorbed acridone

**S. Cîntă Pînzaru**, C. Morari,  
Spectrochim. Acta A, 60/1-2 (2003) 337-342.

21. Raman, SERS and Theoretical Studies of Papaverine Hydrochloride and its Neutral Species.

**S. Cîntă Pînzaru**, N. Leopold, I. Pavel and W. Kiefer,  
Spectrochim. Acta A, 60/8-9 pp. 2021-2028, (2004).

22. Identification and characterisation of pharmaceuticals using Raman and surface enhanced Raman scattering

**S. Cîntă-Pînzaru**, I. Pavel, N. Leopold and W. Kiefer,  
J. Raman Spectrosc., 35 (2004) 338-346.

23. Adsorption of 6-Mercaptopurine and 6-Mercaptopurine-Riboside on Silver Colloid: A pH Dependent Surface Enhanced Raman Spectroscopy and Density Functional Theory Study. Part I. 6-Mercaptopurine

A. V. Szeghalmi, L. Leopold, **S. Pînzaru**, V. Chis, I. Silaghi-Dumitrescu, M. Schmitt, J. Popp, W. Kiefer\*  
J. Mol. Struct. 735-736 (2005) 103-113.

24. Adsorption of 6-Mercaptopurine-Riboside on Silver Colloid: A pH Dependent Surface Enhanced Raman Spectroscopy and Density Functional Theory Study. II. 6-Mercaptopurine -Ribose

A. V. Szeghalmi, L. Leopold, **S. Pînzaru**, V. Chis, I. Silaghi-Dumitrescu, M. Schmitt, J. Popp, W. Kiefer  
Biopolymers, 78, 298-310, 2005.

25. Vibrational Characterization of thiamine. The pH influence monitored by Raman and SERS spectroscopy”

Nicolae Leopold, **Simona Cîntă-Pînzaru**, Monica Baia, Elisabeta Antonescu, Onuc Cozar, Wolfgang Kiefer, Jürgen Popp,  
Vibr. Spectrosc. (2005).39, 2, 169-176

26. Vibrational characterization of E102 food additive by Raman and surface-enhanced Raman spectroscopy and theoretical studies

N. Peica, I. Pavel, S. Cîntă Pînzaru, V. K. Rastogi and W. Kiefer,  
J. Raman Spectrosc. 2005; **36**: 657–666.

27. Raman, surface enhanced Raman spectroscopy and DFT calculations- a powerful approach for the identification and characterization of 5-fluorouracil anticarcinogenic drug species

I. Pavel, S. Cota, **S. Cîntă Pînzaru**, W. Kiefer  
J. Phys. Chem. A, 2005; *109*(44) pp 9945 – 9952.

28. FT-Raman and NIR-SERS characterization of the chloroquine and mefloquine antimalarial drugs and their interaction with hematin

**S. Cîntă Pînzaru**, N. Peica, B. Küstner, S. Schlücker, M. Schmitt, T. Frosch, J. H. Faber, G. Bringmann and J. Popp,  
J. Raman Spectrosc., 2006; **37**: 326–334.

29. Hydroxyllestadite From Cioclovina Cave (Romania): Microanalytical, Structural, And Vibrational Spectroscopy Data

Bogdan P. Onac, Herta Effenberger, Karl Ettinger and **Simona Cîntă Pînzaru**

American Mineralogist, 91, 1927-1931, 2006.

30. SERS substrate-dependent interaction of the anticarcinogenic drug, 5-fluorouracil with silver, I. Pavel, S. Cota, **S. Cîntă-Pînzaru**, Wolfgang Kiefer  
Particulate Science and Technology, 24, 3, 301-309. 2006.

31. FT-IR, FT-Raman and TLC Densitometry Analysis of some Plane Tree Extracts Concerning their Content in Betulinic Acid and Betulin, Cristina Adriana Dehelean, Camelia Peev, **Simona Cîntă-Pînzaru**, Codruta Soica, Adriana Kaicsa, Revista de Chimie, Bucharest, Nr. 11, 2006.

32. In vitro studies on mesenchymal stem cells of a dry birch tree bark extract  
Cristina A. Dehelean, C. Tatu, S. Cîntă-Pînzaru, C. Peev, Soica Codruta, Tanasie Gabriela, S. Anghel, Tox. Lett. 164S, S228; 2006

33. Characterization of birch tree leaves, buds and bark dry extracts with antitumor activity  
C. A. Dehelean, **S. Cîntă Pînzaru**, C. I. Peev, C. Soica, D. S. Antal  
J. Optoelectr. Adv. Mat. 9, 3, 2007, 783-787.

34. **S. Cîntă Pînzaru**, N. Peica, U. Schmidt, W. Kiefer  
New substrate sample handling and micro-Raman sensing methods for biomolecular analysis  
J. Optoelectr. Adv. Mat. 9, 3, 2007, 764- 768.

35. S. Cavalu, **S. Cîntă Pînzaru**, N. Peica, G. Damian, W. Kiefer  
Adsorption behavior of hyaluronidase onto silver nanoparticles and PMMA bone substitute  
J. Optoelectr. Adv. Mat. 9, 3, 2007, 689-693.

36. I. Kostova, N. Trendafilova, **S. Cîntă Pînzaru**, W. Kiefer, G. Momekov,  
Spectroscopic evidence of La(III) complex of coumarin-3-carboxylic acid with cytotoxic activity,  
J. Optoelectr. Adv. Mat. 9, 3, 2007, 532-539.

37. New Metal Complexes of Monoanionic (3*H*-2-Thioxo-1,3,4-Thiadiazol-5-yl)-Thioacetic Acid. X-Ray Structure Of [Na(C<sub>2</sub>N<sub>2</sub>HS<sub>3</sub>CH<sub>2</sub>COO)(H<sub>2</sub>O)<sub>4</sub>]<sub>2</sub>·2H<sub>2</sub>O  
Monica M. Venter, Vasile N. Bercean, Maria Ilici and **Simona Cîntă Pînzaru**  
Rev. Roum. Chim, 2007, 52(1-2), 75-79.

38. Preliminary in vitro studies on mesenchymal stem cells and melanoma cells of dry birch tree bark extract  
CA Dehelean, C Peev, C Soica, CA Tatu, **S Cîntă-Pînzaru**, AT Gruia  
Farmacia-Bucuresti- 55 (6), 696, 2007.

39. Bridging biomolecules with nanoparticles: surface-enhanced Raman scattering from colon carcinoma and normal tissue  
**S. Cîntă Pînzaru**, L. M. Andronie, I. Domsa, O. Cozar, S. Astilean  
J. Raman Spectrosc. 2008; **39**: 331-334

40. Raman study of natural berlinite from a geological phosphate deposit  
**Simona Cîntă Pînzaru**, B. P. Onac,  
Vib. Spec., 49 (2) pp. 97-100, 2009. [doi:10.1016/j.vibspec.2008.05.003](https://doi.org/10.1016/j.vibspec.2008.05.003)

41. Theoretical and vibrational spectral investigation of sodium salt of acenocoumarol  
I. Hubert Joe, Irena Kostova, C. Ravikumar, M. Amalanathan, and **Simona Cîntă Pînzaru**,  
J. Raman Spectrosc., 40, 8 (2009) 1033 - 1038.  
DOI: 10.1002/jrs.2226

42. Book Review: Raman and Sers Investigations of Pharmaceuticals, Authors: Monica Baia, Simion Astilean, Traian Iliescu, Springer-Verlag, Berlin, Heidelberg, 2008, XIV, 214 pp. ISBN: 978-3-540-78282-7. DOI 10.1002/jrs.2291,  
**Simona Cîntă Pînzaru**

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J. Raman Spectrosc., 40, 6 (2009) 709.

43. Raman and SERS study of metoclopramide at different pH values

Nicolae Leopold, **Simona Cinta -Pînzaru**, László Szabó, Daniela Ile an, Vasile Chi , Onuc Cozar, Wolfgang Kiefer,

J. Raman Spectrosc., 41, 3, 248-255, 2010. DOI: 10.1002/jrs.2437

44. Polyvinylpyrrolidone as carrier to prepare solid dispersion-pros and cons

Ambrus, R, Nacsá, A, Szabó-RéVész, P, Aigner, Z, **Cinta-Panzaru, S.**

Revista de Chimie, 60, 6, 2009, 539-543

45. In vivo toxicological evaluation and FT-Raman spectroscopy correlations on a photochemical melanoma model

C. A. Dehelean, **S. Cinta-Pinzaru**, D. Ionescu, C. Soica, C. Peev

Toxicology Letters, 189, Suppl., 13, 2009, S59

46. SERS technique and its applications for toxicological evaluations in experimental breast cancer

S. A. Ciurlea, C. Dehelean, D. Ionescu, A. Muresan, **S. Cinta Pinzaru**, F Loghin

Toxicology Letters, Volume 189, Suppl. 13, 2009, S132

47. Exploration of Epinephrine Activated Living Platelets by Fourier Transform-Raman Spectroscopy

Bulboaca, AEI; **Pinzaru, SC**; Bulboaca, AC et al.

Journal of Physiological Sciences 59, 441, 2009

48. In vivo toxicological evaluations for betulinic acid and ramified cyclodextrins applied on experimental melanoma models

CA Dehelean, C Peev, C Soica, **S Cinta-Pinzaru**, Z Aigner

Planta Medica 75 (09), PE49, 2009

49. Raman Imaging of In Vivo Damaged Skin Tissues from Mice Specimens,

A. Falamas, **S. Cinta Pinzaru**, C. A. Dehelean, M. M. Venter.

Studia UBB seria Chemia, 2, 273-283, 2010.

50. Cancer tissue screening using surface enhanced Raman scattering,

**S. Cinta Pinzaru**, C. A. Dehelean, A. Falamas, N. Leopold and C. Lehene,

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51. Betulin and its natural resource as potential anticancer drug candidate seen by FT-Raman and FT-IR spectroscopy,

A. Falamas, **S. Pinzaru**, C. Dehelean, C. Peev, C. Soica,

J. Raman Spectroscopy, 42(1), 97-107, 2011, DOI: 10.1002/jrs.2658, 2010.

52. Evaluations of murine melanoma models by tissue histology and FT-Raman spectroscopy

C. A. Dehelean, S. Ganta, **S. Cîntă-Pînzaru**, A. Fălămaş, S. Ciurlea, E. Alexa, M. Amiji

Toxicology Letters, 196, Suppl. 1, 2010, S177.

53. Spectroscopic investigations of newly formed betulin-cyclodextrin guest-host type complexes as potential anti skin cancer candidates,

A.Falamaş, **S. Cînta Pinzaru**, V. Chiş, C. Dehelean,

J. Mol. Struct., 993 (2011) 297–301.

54. Annealing study of two-dimensional patterned Ge nanostructures via nanosphere lithography

Ulmeanu, M., Iordache, I., Filipescu, M., Craciun, V., **Pinzaru, S.C.**, Hörner, A.

Central European Journal of Physics, 9, 5, 2011, 1280-1287

55. Surface Enhanced Raman Spectroscopy Used for the Identification and Characterization of Melanoma Mice Skin Tissues

Falamas, A, Dehelean, C. Chis, V. **Pinzaru, S. C.**

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56. Raman and Sers Characterization of Normal Pathological Skin

A. Falamas, C.A. Dehelean, **S. Cinta Pinzaru**,

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57. Evaluation and differentiation of the Betulaceae birch bark species and their bioactive triterpene content using analytical FT-vibrational spectroscopy and GC-MS

**Simona Cîntă-Pînzaru**, Cristina A Dehelean, Codruta Soica, Monica Culea and Florin Borcan

Chemistry Central Journal 2012, 6:67 doi:10.1186/1752-153X-6-67

58. Raman Spectroscopy Investigations of the Cd1 Nu/Nu Mouse Skin Pre-Carcinoma Damages

S. Ciurlea, C. A. Dehelean, S. Cîntă Pînzaru, A. Fălămaş, A. Mureşan, F. Loghin,

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59. Study of the betulin enriched birch bark extracts effects on human carcinoma cells and ear inflammation

C. A Dehelean, C. Şoica, I. Ledeti, M. Aluaş, I. Zupko, A. Găluşcan, S. Cinta-Pinzaru, and M. Munteanu,

Chemistry Central Journal, 6, 137, 2012; doi: 10.1186/1752-153X-6-137.

60. Double Amino Functionalized Ag Nanoparticles as SERS Tags in Raman Diagnostic

**S. Cinta Pinzaru**, A Falamaş, C Dehelean, C Morari, M Venter

Croatica Chemica Acta 86 (3), 233-244

61. Detection of thiabendazole applied to organic fruit by near infrared surface-enhanced Raman

spectroscopy, Cs. Muller, L. David, **Simona Cinta Pinzaru**

Spectroscopy Europe 25 (4), 2013

62. A characterization of four B16 murine melanoma cell sublines molecular fingerprint and proliferation behavior

Corina Danciu, Alexandra Falamas, Cristina Dehelean, Codruta Soica, Heinfried Radeke, Lucian Barbu-

Tudoran, Florina Bojin, **Simona Cîntă Pînzaru**, Melania F Munteanu,

Cancer Cell International, 2, 1, 2013, doi:10.1186/1475-2867-13-75

63. Surface-enhanced Raman scattering (SERS) and complementary techniques applied for the investigation of an Italian cultural heritage canvas

OM Gui, A Fălămaş, L Barbu-Tudoran, M Aluaş, B Giambra, **S. Cinta Pinzaru**

Journal of Raman Spectroscopy, 44 (2), 277-282, 2013

64. Molecular conformation changes along the malignancy revealed by optical nanosensors

**S Cinta Pinzaru**, A Falamas, CA Dehelean

Journal of Cellular and Molecular Medicine 17 (2), 277-286, 2013

65. Detection of thiabendazole applied on citrus fruits and bananas using surface enhanced Raman scattering,

Cs. Müller, L. David, V. Chiş, **S. C. Pînzaru**

Food Chemistry, 145, 814-820, 2014.

66. Amnesic shellfish poisoning biotoxin detection in seawater using pure or amino-functionalized Ag nanoparticles and SERS

Müller C, Glamuzina B, Pozniak I, Weber K, Cialla D, Popp J, **Cîntă Pînzaru S**

Talanta, 130, 108-116, 2014; doi: 10.1016/j.talanta.2014.06.059.

67. New SERS feature of  $\beta$ -carotene: consequences for quantitative SERS analysis

**S. Cîntă Pînzaru**, Müller, Cs., Tomšić, S., Venter, M. M., Cozar, B. I., and Glamuzina, B.

J. Raman Spectrosc., 46 (7) 2015, 597–604. doi: 10.1002/jrs.4713.

68. Analytical Study of Gallstones in Patients From Transylvania, Romania.

I. Brezestean, N. Har, A. Tantău, M. Gorea, M. M. Venter, **S. Cîntă Pînzaru**

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**S. Cîntă Pinzaru**, Cs. Müller, I. S. Tódor, B. Glamuzina, V. Chis  
J. Raman Spectrosc., 47: 636–642, 2016, doi: 10.1002/jrs.4870.

70. Live diatoms facing Ag nanoparticles: surface enhanced Raman scattering of bulk cylindrotheca closterium pennate diatoms and of the single cells  
**S. Cîntă Pinzaru**, Cs. Müller, S. Tomšić, M. M. Venter, I. Brezestean, S. Ljubimir, B. Glamuzina,  
RSC Advances, 2016, 6, 42899-42910, DOI: 10.1039/C6RA04255D

71. Hydrophobic painting materials fast detection using temperature dependence SERS on simple or PEGylated Ag nanoparticles  
Oana-Mara Gui, **Simona Cîntă Pinzaru**  
Dyes and Pigments, 146, 2017, 551-557.

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### III. Publications in national and international journals, indexed in other international databases (BDI)

1. Aspects in Spectroelectrochemical Raman Analysis  
I. Marian, T. Iliescu, M. Caragiu, S. Ghizdavu, **S. Cîntă**  
Studia Univ. Babes-Bolyai, Seria Chemia, nr. 1, 14, (1994).
2. Surface-enhanced Raman Scattering of 9, (10H) Acridone on Silver Sols  
**S. Cîntă**, T. Iliescu and S. Crăciun  
Studia Univ. Babes-Bolyai, seria Physica, 1, (1995), 25,
3. Pentacene doped benzoic acid crystal - a model for nonphotochemical holeburning of impurity electronic transition in organic glasses  
S. Astilean, T. Iliescu, Z. Tanko, **S. Cîntă**, D. Maniu, I. Bratu;  
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4. The pH influence on the PP vitamin Raman spectra,  
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5. Raman, IR and SERS studies of 2,4-diamino-6-phenyl-1,3,5- triazine  
**S. Cîntă**, T. Iliescu, M. Vlassa, M. Venter, I. Beldean  
Studia Univ. Babes-Bolyai, Seria Physica, 1, 1995, 3-10.
6. Surface Enhanced Raman Scattering of KSCN on the Covered Redox Glass Electrodes,  
I. Marian, **S. Cîntă**, E. Veress, M. Venter  
Studia Univ. Babes-Bolyai, Seria Physica, 41, 54, 1996.
7. Surface enhanced Raman Scattering of PP vitamin on Different Au and Ag substrate,  
**S. Cîntă**, E. Vogel, D. Maniu, T. Iliescu, W. Kiefer,  
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**S. Cîntă**, M. Venter, W. Kiefer, P. Scholtz, T. Iliescu, O. Cozar,  
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9. Optical properties of nanostructures,  
S. Astilean, P. Stetiu, T. Iliescu, **S. Cîntă**, D. Maniu, and M. Palamaru,  
Advanced Materials and Structures, (1998), Universitatea "Politehnica", Timisoara.

10. Metallic nanostructures in surface enhanced Raman spectroscopy,  
T. Iliescu, **S. Cîntă**, D. Maniu, S. Astilean,  
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11. Metallic Nanostructures probed in surface enhanced Raman scattering,  
**S. Cîntă-Pînzaru**, E. Vogel, A. Manciulea, T. Iliescu, W. Kiefer, Analele Universitatii Oradea, Fizica B,  
Tom 10, p.61-69, 2000.
12. Nature and Pollution Degree of Water Assets Studies through the Inductively Coupled Plasma-Optical  
Emission Spectroscopy,  
I. Chindea, **S. Cîntă-Pînzaru**, Camelia Minzat,  
Analele Universitatii Oradea, Fizica A, Tom 10, p 31-41 2000.
13. Vibrational Raman study of free and adsorbed tempyo labelled cytochrome c on silver colloidal surface  
S. Cavalu, **S.Cîntă Pînzaru**, N. Leopold, W. Kiefer  
Studia Univ. Babeş-Bolyai, Physica, XLVI, 1, 2001, 31.
14. Vibrational study of thiamine  
N. Leopold, **S. Cîntă Pînzaru**, M. Bolboaca, O. Cozar, W. Kiefer, J. Popp  
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M. Bolboaca, **S. Cîntă Pînzaru**, O. Cozar, T. Iliescu, P. Rösch, W. Kiefer,  
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17. Hemoglobin and human blood adsorption on silver colloidal particles: surface enhanced resonance  
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18. Food Additives Study: Vibrational Approach,  
**S. Cîntă Pînzaru**, N. Peica, I. Pavel, W. Kiefer,  
Studia Univ. Babeş-Bolyai, Physica, Special Issue 2, XLVIII (2003) 504-507.
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