

# CURRICULUM VITAE

## INFORMAȚII PERSONALE

Nume și prenume  
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Locul și data nașterii

## Apostu Mircea-Odin

Aleea Tudor Neculai, nr. 131, bl. 1003D, sc. B, Iași, jud. Iași, cod 700714, România  
0232-412053  
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**Sascut, jud. Bacău, 26 iunie 1973**

## EXPERIENȚA PROFESIONALĂ

### ACTIVITATE DE EVALUARE ȘI EXPERTIZĂ

### Expert evaluator AUF

### DOMENII DE COMPETENȚĂ

### Chimie fizică

### ACTIVITATEA ȘTIINȚIFICĂ (vezi ANEXE)

### CĂRȚI / ARTICOLE PUBLICATE:

- **Cărți**, cursuri universitare și manuale de lucrări practice: 2
- **articole științifice** publicate în reviste de specialitate: 52, din care: **38** in reviste **ISI** din **străinătate**, **2** in reviste **ISI** din **țară**, 12 in reviste non ISI din țara.
- **participări** la manifestări științifice 8, din care în străinătate 3

**Citări** lucrări indexate/recenzate în baze de date internaționale: **320 conform Thomson Reuters (cunoscut anterior ca Institute for Scientific Information - ISI) Web of Knowledge, Scopus. Indice Hirsch = 11.**

**COORDONATOR ȘTIINȚIFIC:** lucrări de licență (3).

**REFERENT ȘTIINȚIFIC:** M. Dumitraș, A. Bîrzu, Cetică chimică. Capitoles speciale, Matrix ROM, București, 2010.

### EXPERIENȚĂ DE LUCRU ÎN CERCETARE ȘI INSTRUIRE

**COLABORATOR ÎN GRANTURI DE CERCETARE:** cu finanțare internă: 7; cu finanțare externă: 1.

**2009 – prezent**, conferențiar universitar, prin concurs (Ordinul Ministrului Educației și Cercetării nr. 3610/03.04.2009), la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie, Departamentul de Chimie, colectivul de chimie fizică și teoretică;

**2003 – 2009: lector universitar**, prin concurs, la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie; Catedra de chimie fizică și teoretică;

**2000 – 2003: asistent universitar**, prin concurs, la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie; Catedra de chimie fizică și teoretică;

**1996-2000: preparator**, la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie; Catedra de chimie fizică și teoretică;

### SPECIALIZĂRI POSTUNIVERSITARE

**1998** (5 luni, februarie - iunie), **1999** (6 luni, februarie - iulie), **2000** (6 luni, februarie - iulie), bursier al Guvernului Francez (BGF) - bursa de cercetare doctorat, laboratorul "Chimia fizică a stării solide", Universitatea Paris-Sud 11, Franța.

**2001** (6 luni, februarie - iulie), bursier al Société de secours des Amis des sciences - bursa de cercetare doctorat, laboratorul "Chimia fizică a stării solide",

Universitatea Paris-Sud 11, Franța.

## EDUCAȚIE

1997-2001 doctorat în Chimie, Specialitatea Chimie (Univ. „Al. I. Cuza” din Iași și Univ. Paris-Sud 11, Franța); mai 2002 – Diploma de doctor.

1996 - 1997, Studii aprofundate, Facultatea de Chimie, Univ. “Al.I.Cuza”, Iași, România; iulie 1997 – Diploma Studii aprofundate.

1991 – 1996, studii licență, Facultatea de Chimie, Univ. “Al.I.Cuza”, Iași, România; iulie 1997 - Diploma de licență.

1987 – 1991 Liceul “G.Bacovia”, Bacău, România; iunie 1991 - Diploma de bacalaureat.

## STAGII DE PREGĂTIRE ȘI MOBILITĂȚI

- dec. 2012- februarie 2013 cercetător invitat la IFW Institute for Solid State and Materials Research Dresden, Germania.

- 2010 (mai-iulie) cercetător invitat la IFW Institute for Solid State and Materials Research Dresden, Germania.

- 2008 (iunie-iulie) profesor invitat la Universitatea Paris-Sud, Orsay, Franța, pentru a susține studenților Școlii Doctorale de Chimie cursul intitulat „Introduction à la thermodynamique des nanomatériaux ”.

- 2007 (martie-mai) cercetător invitat la IFW Institute for Solid State and Materials Research Dresden, Germania.

- 2005 (ianuarie-martie, iulie-septembrie) cercetător invitat la IFW Institute for Solid State and Materials Research Dresden, Germania.

- 2003 (octombrie - decembrie) cercetător invitat la IFW Institute for Solid State and Materials Research Dresden, Germania.

- 1997 martie - Modul de învățământ francofon - Inorganic technical substances with special properties: preparation and characterization.

- 1993 august: Școala de vară - Jahn - Teller effect and vibronic interactions in physics and chemistry, Univ. Bucuresti, Romania.

## MEMBRU ÎN SOCIETĂȚI ȘTIINȚIFICE

**Membru** al Societatii Romane de Chimie.

## CUNOȘTINȚE UTILIZARE COMPUTERE

**Operare bună PC** (Microsoft Office Word; Microsoft Office Power Point; Microsoft Office Excel; Origin, Turbo Pascal, Internet (Explorer, Mozilla, Opera), Chem draw, Isis draw), etc.

## OPERARE APARATURĂ ȘTIINȚIFICĂ

difractometre de raze X pentru probe monocristaline sau policristaline, măsuratori electrice și magnetice, automatizare experimente (protocol GPIB, Keithley), obținere de monocristale în dispozitive de tip “floating zone”, etc.

## LIMBI STRĂINE CUNOSCUTE

Engleză (citit, scris, vorbit) – bine

Franceză (citit, scris, vorbit) – bine

Iași  
15.12. 2013

**a) Teza de Doctorat:**

Mircea-Odin Apostu: “Sinteza și studiul proprietăților structurale, electrice și magnetice ale manganaiților de tip perovskit”, Iași, 2002 - acord de cotutelă între Universitatea “Al. I. Cuza” Iași și Universitatea Paris-Sud Orsay Franța.

**b) Cărți publicate:**

- Ana Onu, Mircea-Odin Apostu, “Chimia fizică a stărilor de agregare”, Editura Matrix Rom, București, 2004

- Mircea-Odin Apostu, Viorel Melnig, “Bazele termodinamice ale transportului prin membrane”, Editura Universității “Al. I. Cuza”, Iași, 2008

**c) Articole in reviste din strainatate indexate ISI:**

1. Thiyagarajan R, Manivannan N, Arumugam S, Muthu SE, Tamilselvan NR, Sekar C, Yoshino H, Murata K, Apostu MO, Suryanarayanan R, Revcolevschi A, Pressure-induced colossal piezoresistance effect and the collapse of the polaronic state in the bilayer manganite (La<sub>0.4</sub>Pr<sub>0.6</sub>)(1.2)Sr<sub>1.8</sub>Mn<sub>2</sub>O<sub>7</sub>, Source: JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 24 Issue: 13 Article Number: 136002 DOI: 10.1088/0953-8984/24/13/136002 Published: APR 4 2012
2. Trinckauf, J; Hanke, T; Zabolotnyy, V; Ritschel, T; Apostu, MO; Suryanarayanan, R; Revcolevschi, A; Koepernik, K; Kim, TK; von Zimmermann, M; Borisenko, SV; Knupfer, M; Buchner, B; Geck, J, Electronic Confinement and Ordering Instabilities in Colossal Magnetoresistive Bilayer Manganites, Source: PHYSICAL REVIEW LETTERS Volume: 108 Issue: 1 Article Number: 016403 DOI: 10.1103/PhysRevLett.108.016403 Published: JAN 4 2012
3. Tackett R, Lawes G, Suryanarayanan R, Apostu M, Revcolevschi A, The zero-field glassy ground state and field-induced ferromagnetic transition in (La<sub>0.4</sub>Pr<sub>0.6</sub>)(1.2)Sr<sub>1.8</sub>Mn<sub>2</sub>O<sub>7</sub>, Source: JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 23 Issue: 15 Article Number: 156004 DOI: 10.1088/0953-8984/23/15/156004 Published: APR 20 2011
4. Yavas H, van Veenendaal M, van den Brink J, Ament LJP, Alatas A, Leu BM, Apostu MO, Wizen N, Behr G, Sturhahn W, Sinn H, Alp EE, Observation of phonons with resonant inelastic x-ray scattering, Source: JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 22 Issue: 48 Article Number: 485601 DOI: 10.1088/0953-8984/22/48/485601 Published: DEC 8 2010
5. Behr, G; Loser, W; Wizen, N; Ribeiro, P; Apostu, MO; Souptel, D, “Influence of heat distribution and zone shape in the floating zone growth of selected oxide compounds”, Source: JOURNAL OF MATERIALS SCIENCE Volume: 45 Issue: 8 Special Issue: SI Pages: 2223-2227 DOI: 10.1007/s10853-009-4075-6 Published: APR 2010
6. Yamato, Y; Matsukawa, M; Nimori, S; Suryanarayanan, R ; Murano, Y; Nakanishi, Y; Apostu, M; Revcolevschi, A; Koyama, K; Kobayashi, N, “Effect of pressure on lattice distortion, transport and magnetic properties of Pr-substituted La<sub>1.2</sub>Sr<sub>1.8</sub>Mn<sub>2</sub>O<sub>7</sub> bilayered manganite”, Source: JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 21 Issue: 48 Article Number: 486001 DOI: 10.1088/0953-8984/21/48/486001 Published: DEC 2 2009

7. Yamato, Y ; Matsukawa, M; Murano, Y; Suryanarayanan, R; Nimori, S; Apostu, M; Revcolevschi, A; Koyama, K; Kobayashi, N, “Colossal electroresistance and colossal magnetoresistive step in paramagnetic insulating phase of single crystalline bilayered manganite  $(\text{La}_{0.4}\text{Pr}_{0.6})(1.2)\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ ” Source: APPLIED PHYSICS LETTERS Volume: 94 Issue: 9 Article Number: 092507 DOI: 10.1063/1.3095598 Published: MAR 2 2009
8. Yamato, Y; Nakanishi, Y; Matsukawa, M; Suryanarayanan, R; Nimori, S; Apostu, M; Revcolevschi, A; Koyama, K; Kobayashi, N, “Anomalous pressure effect on steplike magnetostriction of  $(\text{La}_{0.4}\text{Pr}_{0.6})(1.2)\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$  bilayered manganese oxide”, Journal of Physics Conference Series Volume: 150 Article Number: 042121 DOI: 10.1088/1742-6596/150/4/042121 Part: 4 Published: 2009
9. Melnig, V., Apostu, M.-O., Foca, N., „Polymer-assisted synthesis of water-soluble PbSe quantum dots”, Journal of Nanoparticle Research 10 (SUPPL. 1), pp. 171-177 (2008).
10. Y. Yamato, M. Matsukawa, T. Kumagai, R. Suryanarayanan, S. Nimori, M. Apostu, A. Revcolevschi, K. Koyama, N. Kobayashi, „Effect of pressure on the steplike magnetostriction of single crystalline bilayered manganite  $(\text{La}_{0.4}\text{Pr}_{0.6})(1.2)\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ ”, PHYSICAL REVIEW B 78 (13): Art No: 132411 (2008)
11. F. Moussa, M. Hennion, A. Gukasov, S. Petit, L. P. Regnault, A. Ivanov, R. Suryanarayanan, M. Apostu, A. Revcolevschi, „Intralayer and interlayer exchange tuned by magnetic field in the bilayer manganite  $(\text{La}_{0.4}\text{Pr}_{0.6})(1.2)\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$  probed by inelastic neutron scattering”, PHYSICAL REVIEW B 78 (6) Art No: 060406 (2008)
12. G. Allodi, M. Bimbi, R. De Renzi, C. Baumann, M. Apostu, R. Suryanarayanan, A. Revcolevschi, „Magnetic order in the double-layer manganites  $(\text{La}_{1-z}\text{Pr}_z)_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$  : Intrinsic properties and role of intergrowth” Phys. Rev. B 78, 064420 (2008).
13. Matsukawa, M; Tamura, A; Nimori, S; Suryanarayanan, R; Kumagai, T; Nakanishi, Y; Apostu, M; Revcolevschi, A; Koyama, K; Kobayashi, N, „Anomalous pressure effect on the remanent lattice striction of a  $(\text{La},\text{Pr})(1.2)\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$  bilayered manganite single crystal”, PHYSICAL REVIEW B 75 (1): Art No. 014427 (2007)
14. Cao, J; Rai, RC; Brown, S; Musfeldt, JL; Tackett, R; Lawes, G; Wang, YJ; Wei, X; Apostu, M; Suryanarayanan, R; Revcolevschi, A, „Title: Observation of 300 K high energy magnetodielectric contrast in the bilayer manganite  $(\text{La}_{0.4}\text{Pr}_{0.6})(1.2)\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ ”, APPLIED PHYSICS LETTERS 91 (2): Art No. 021913 (2007)
15. Matsukawa, M; Yamato, Y; Kumagai, T; Tamura, A; Suryanarayanan, R; Nimori, S; Apostu, M; Revcolevschi, A; Koyama, K; Kobayashi, N, „Steplike lattice deformation of single crystalline  $(\text{La}_{0.4}\text{Pr}_{0.6})(1.2)\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$  bilayered manganite”, PHYSICAL REVIEW LETTERS 98 (26): Art No. 267204 (2007)
16. Nakanishi, Y; Shimomura, K; Kumagai, T; Matsukawa, M; Yoshizawa, M; Suryanarayanan, R; Thakur, JS; Apostu, M; Revcolevschi, A; Nakamura, S, „Elastic and magnetic properties of the bilayer manganese oxide  $(\text{Pr}_{0.6}\text{La}_{0.4})(1.2)\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ ”, PHYSICAL REVIEW B 76 Art No. 094416 (2007)

17. Cao, J; Haraldsen, JT; Rai, RC; Brown, S; Musfeldt, JL; Wang, YJ; Wei, X; Apostu, M; Suryanarayanan, R; Revcolevschi, A, „Magneto-optical investigation of the field-induced spin-glass-insulator to ferromagnetic-metal transition in the bilayer manganite (La<sub>0.4</sub>Pr<sub>0.6</sub>)(1.2)Sr<sub>1.8</sub>Mn<sub>2</sub>O<sub>7</sub>”, PHYSICAL REVIEW B 74 Art No. 045113 (2006)
18. Nakanishi, Y; Tanizawa, T; Oikawa, M; Matsukawa, M; Yoshizawa, M; Apostu, M; Suryanarayanan, R; Revcolevschi, A; Kosaka, M; Mori, N, „Magnetic properties of the bilayer manganese oxide (Pr<sub>0.6</sub>La<sub>0.4</sub>)(1.2)Sr<sub>1.8</sub>Mn<sub>2</sub>O<sub>7</sub> under pressure”, SOLID STATE COMMUNICATIONS 138 (9):441-443 Art No. 10.1016 (2006)
19. Behr, G; Loser, W; Apostu, MO; Gruner, W; Hucker, M; Schramm, L; Souptel, D; Teresiak, A; Werner, J, „Floating zone growth of CuO under elevated oxygen pressure and its relevance for the crystal growth of cuprates”, CRYSTAL RESEARCH AND TECHNOLOGY 40 (1-2):21-25 Art No. 10.1002 (2005)
20. Matsukawa, M; Akasaka, K; Noto, H; Suryanarayanan, R; Nimori, S; Apostu, M; Revcolevschi, A; Kobayashi, N, „Resistive relaxation in the field-induced insulator-metal transition of a (La<sub>0.4</sub>Pr<sub>0.6</sub>)(1.2)Sr<sub>1.8</sub>Mn<sub>2</sub>O<sub>7</sub> bilayer manganite single crystal”, PHYSICAL REVIEW B 72 (6): Art No. 064412 (2005)
21. Matsukawa, M; Chiba, M; Kikuchi, E; Suryanarayanan, R; Apostu, M; Nimori, S; Sugimoto, K; Kobayashi, N, „Effect of suppression of local distortion on the magnetic, electrical, and thermal transport properties of the Cr-substituted bilayer manganite LaSr<sub>2</sub>Mn<sub>2</sub>O<sub>7</sub>”, PHYSICAL REVIEW B 72 (22): Art No. 224422 (2005)
22. Melnig, V; Apostu, MO; Tura, V; Ciobanu, C, „Optimization of polyurethane membranes - Morphology and structure studies” JOURNAL OF MEMBRANE SCIENCE 267 (1-2):58-67 Art No. 10.1016 (2005)
23. Choi, J; Woodward, JD; Musfeldt, JL; Haraldsen, JT; Wei, X; Apostu, M; Suryanarayanan, R; Revcolevschi, A „Directionally dependent magneto-optical response of (La<sub>0.4</sub>Pr<sub>0.6</sub>)(1.2)Sr<sub>1.8</sub>Mn<sub>2</sub>O<sub>7</sub>: Understanding the high-field ferromagnetic metallic state”, PHYSICAL REVIEW B 70 (6): Art No. 064425 (2004)
24. Moussa, F; Hennion, M; Wang, F; Gukasov, A; Suryanarayanan, R; Apostu, M; Revcolevschi, A „Field-induced ferromagnetic metallic state in the bilayer manganite (La<sub>0.4</sub>Pr<sub>0.6</sub>)(1.2)Sr<sub>1.8</sub>Mn<sub>2</sub>O<sub>7</sub>, probed by neutron scattering”, PHYSICAL REVIEW LETTERS 93 (10): Art No. 107202 (2004)
25. Woodward, JD; Choi, J; Musfeldt, JL; Haraldsen, JT; Apostu, M; Suryanarayanan, R; Revcolevschi, A, „Disorder-induced localization in (La<sub>0.4</sub>Pr<sub>0.6</sub>)(1.2)Sr<sub>1.8</sub>Mn<sub>2</sub>O<sub>7</sub> as investigated by variable-temperature optical techniques”, PHYSICAL REVIEW B 69 (10): Art No. 104415 (2004)
26. Matsukawa, M; Chiba, M; Akasaka, A; Suryanarayanan, R; Apostu, M; Revcolevschi, A; Nimori, S; Kobayashi, N, „Stretched exponential behavior in remanent lattice striction of a (La,Pr)(1.2)Sr<sub>1.8</sub>Mn<sub>2</sub>O<sub>7</sub> bilayer manganite single crystal”, PHYSICAL REVIEW B 70 (13): Art No. 132402 (2004)
27. Matsukawa, M; Kikuchi, E; Yoshizawa, M; Apostu, M; Suryanarayanan, R; Revcolevschi, A; Kobayashi, N, „Thermal transport of Cr-doped double-layered LaSr<sub>2</sub>Mn<sub>2</sub>O<sub>7</sub>”, PHYSICA B-CONDENSED MATTER 329900-901 Art No. 10.1016 Part 2 (2003)

28. Nakanishi, Y; Shimomura, K; Matsukawa, M; Nakamura, S; Apostu, M; Suryanarayanan, R; Revcolevschi, A; Yoshizawa, M, „Magnetic phase diagram  $(\text{La}_{1-z}\text{Pr}_z)(1.2)\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$  for  $z=0.6$ ”, PHYSICA B-CONDENSED MATTER 329817-819 Art No. 10.1016 Part 2 (2003)
29. Wang, F; Gukasov, A; Moussa, F; Hennion, M; Apostu, M; Suryanarayanan, R; Revcolevschi, A, „Field-induced ferromagnetic metallic state of bilayer manganite  $(\text{La}_{0.4}\text{Pr}_{0.6})(1.2)\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ : A polarized neutron diffraction study”, PHYSICAL REVIEW LETTERS 91 (4): Art No. 047204 (2003)
30. Matsukawa, M; Narita, M; Nishimura, T; Yoshizawa, M; Apostu, M; Suryanarayanan, R; Revcolevschi, A; Itoh, K; Kobayashi, N, „Anisotropic phonon conduction and lattice distortions in colossal-magnetoresistance bilayer manganite  $(\text{La}_{1-z}\text{Pr}_z)(1.2)\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$  ( $z=0, 0.2, 0.4,$  and  $0.6$ ) single crystals”, PHYSICAL REVIEW B 67 (10): Art No. 104433 (2003)
31. Matsukawa, M; Ogasawara, H; Sasaki, T; Yoshizawa, M; Apostu, M; Suryanarayanan, R; Revcolevschi, A; Itoh, K; Kobayashi, N, „Anomalous lattice distortion in Pr-substituted double-layered perovskite manganite  $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$  single crystals: II”, JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN 71 (6):1475-1480 Art No. 10.1143 (2002)
32. Wagner, P; Gordon, I; Moshchalkov, VV; Bruynseraede, Y; Apostu, M; Suryanarayanan, R; Revcolevschi, A, „Spin-dependent hopping in the paramagnetic state of the bilayer manganite  $(\text{La}_{0.4}\text{Pr}_{0.6})(1.2)\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ ”, EUROPHYSICS LETTERS 58 (2):285-291 (2002)
33. Apostu, M; Suryanarayanan, R; Revcolevschi, A; Ogasawara, H; Matsukawa, M; Yoshizawa, M; Kobayashi, N, „First-order field-induced transition, magnetoresistance, and giant magnetostriction in single crystals of  $(\text{La}_{0.4}\text{Pr}_{0.6})(1.2)\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ ”, PHYSICAL REVIEW B 64 (1): Art No. 012407 (2001)
34. Gordon, I; Wagner, P; Moshchalkov, VV; Bruynseraede, Y; Apostu, M; Suryanarayanan, R; Revcolevschi, A, „Temperature dependent memory effects in the bilayer manganite  $(\text{La}_{0.4}\text{Pr}_{0.6})(1.2)\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ ”, PHYSICAL REVIEW B 64 (9): Art No. 092408 (2001)
35. Ogasawara, H; Matsukawa, M; Yoshizawa, M; Apostu, M; Suryanarayanan, R; Dhahlenne, G; Revcolevschi, A; Itoh, K; Kobayashi, N, „Giant magnetostriction in Pr-substituted double-layered perovskite manganite  $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$  single crystals”, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS 226990-992 SI Part 1 (2001)
36. Vasil'ev, A; Voloshok, T; Apostu, M; Suryanarayanan, R; Revcolevschi, A „Spin-reorientation transition at isoelectronic substitution in double-layer manganites  $(\text{La}_{1-z}\text{Pr}_z)(1.2)\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ ”, JETP LETTERS 73 (11):630-632 (2001)
37. Ogasawara, H; Matsukawa, M; Hatakeyama, S; Yoshizawa, M; Apostu, M; Suryanarayanan, R; Dhahlenne, G; Revcolevschi, A; Itoh, K; Kobayashi, N, „Anomalous lattice distortion in Pr-substituted double-layered perovskite manganite  $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$  single crystals”, JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN 69 (5):1274-1277 (2000)

38. Patanjali, PV; Theule, P; Zhai, Z; Hakim, N; Sridhar, S; Suryanarayanan, R; Apostu, M; Dhalenne, G; Revcolevschi, A, „High-frequency magnetoimpedance of double perovskite  $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ : Secondary transitions at high temperatures”, PHYSICAL REVIEW B 60 (13):9268-9271 (1999)

**d) Articole in reviste din tara indexate ISI:**

1. Apostu, MO; Melnig, V, „Tunable temperature behaviour of water-soluble polyamidhydroxyurethane”, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS 8 (3):1044-1047 (2006)
2. Melnig, Viorel; Apostu, Mircea-Odin; Foca, Neculai “Cadmium Selenide Nanoparticles Synthesis in Water-Soluble Polymer System”, Source: MATERIALE PLASTICE Volume: 46 Issue: 3 Pages: 274-278 Published: SEP 2009

