

CURRICULUM VITAE

INFORMAȚII PERSONALE

Nume și prenume

Adresă

Telefon / Fax

E-mail

Naționalitate

Locul și data nașterii

Naționalitate

Miță Carmen

Bd. N. Iorga, nr. 32A, bl. G4, sc. B, et. III, ap. 69, Iași

0302-201288

cmita@uaic.ro

carmen11mita@yahoo.com

Română

13/04/1963, Dorohoi, jud. Botoșani

Română

EXPERIENȚA PROFESIONALĂ

ACTIVITATE DE EVALUARE ȘI EXPERTIZĂ

DOMENII DE COMPETENȚĂ

Didactica:

1986-1991 profesor –repartitie guvernamentala, specialitatea Chimie, (Liceul) Colegiul Pedagogic “N. Iorga” Botosani.

invatamintul superior: laboratoare si seminarii la Facultatea de Chimie , Universitatea "Al.I. Cuza" Iasi, (Catedra) Colectivul de Chimie anorganica.

Cursuri tinute: Chimia nemetalelor (1998-1999), Chimie anorganica (1999-2005), Biomimetizare si biologie moleculara (2004-2006), Chimia compusilor coordinativi cu proprietati biomimetice (2005-2013), Chimia apei si a solului (2010-)

Cercetare:

- sinteza si caracterizarea structurala a compusilor cordinativi prin spectroscopie UV-VIS (in solutie si in stare solida), spectroscopie IR, , difractie de raze X, analiza termica prin TG-DTG-DTA, determinari magnetice, spectrometrie de masa (curs specializare– octombrie 2003, Universitatea Konstanz, Germania), conductometrice, pH-metrice, etc.

- reactivitatea compusilor coordinativi din clasa β -dicetonatilor metalici $M(\beta\text{-diketone})_n$, $n=2, 3$ in care $M = Mn, Fe, Co, Ni, Cu, Zn$;

- determinarea capacitatii de complexare a schimbatorilor de ioni acrilici si a derivatilor sililcelulozici ;

- determinarea diferitilor parametri si a mecanismelor ce influenteaza precesele de sorptie si desorptie a cationilor metalelor grele ($Zn^{2+}, Ni^{2+}, Co^{2+}, UO_2^{2+}$) pe schimbatori de ioni de tip gel sau cu structuri rigide, in regim static si dinamic;

- caracterizarea structurala a sistemelor complexe cation metalic – rasina prin spectroscopie UV-VIS, FTIR, metode termice de analiza, etc.;

-sinteza compusilor oxidici prin metoda MOCVD, sol-gel si prin reactii in faza solida in atmosfera de dioxidigen, aer si vid;

- caracterizarea structurala a compusilor de tipul manganitilor $(Ln_{1-x} Ln'_x)_y A_{1-y} MnO_{3\pm\delta}$, in care $Ln-Ln' = La-Yb(Ho); Yb(Nd)-Ho; Nd-In; Tb(Gd)-Sm$ si $A = Ca, Sr, Ba$

ACTIVITATEA ȘTIINȚIFICĂ (vezi ANEXE)

CĂRȚI / ARTICOLE PUBLICATE:

- **Cărți**, cursuri universitare și manuale de lucrări practice: 3
- **articole științifice** publicate în reviste de specialitate: ..34., din care: .4. cu **ISI** in reviste din **străinătate**, 10 cu **ISI** in reviste din **țară**, ...20.. in reviste non ISI din tara.
- **participări** la manifestări științifice ..60., din care internationale 30...

Citări lucrări indexate/recenzate în baze de date internaționale: ..2..; în SCOPUS, CAPLUS and MEDLINE, de Institute for Scientific Information (ISI), Chemical Abstracts, Current Contents etc. **Indice Hirsh** =

COORDONATOR ȘTIINȚIFIC: lucrări de licență (.30.), lucrări de disertație (.4.), lucrări metodic-științifice pentru obținerea gradului I în învățământul preuniversitar (..22..).

EXPERIENȚĂ DE LUCRU ÎN
CERCETARE ȘI INSTRUIRE

DIRECTOR / RESPONSABIL GRANTURI DE CERCETARE / DEZVOLTARE: cu
finanțare internă: .1.; cu finanțare externă: ..3.

COLABORATOR ÎN GRANTURI DE CERCETARE: cu finanțare internă: 6; cu finanțare
externă: 7

1998– 2013: lector universitar, prin concurs, la Universitatea „Alexandru Ioan Cuza” din
Iași, Facultatea de Chimie;

1991 – 1998: asistent universitar, prin concurs, la Universitatea „Alexandru Ioan Cuza”
din Iași, Facultatea de Chimie;

.**1999** - Diploma de doctor in stiinte-specialitatea Chimie, Universitatea “Al.I. Cuza” Iasi. **Titlul
tezei:** “Studii asupra structurii si reactivitatii complexilor ionilor metalici din prima serie de
tranzitie cu β -dicetone”; conducator stiintific: Prof. Dr. I. Berdan.

1986 Diploma de licență, Facultatea de Chimie, Institutul Politehnic Iasi, sectia Chimie-
Fizica: “Compusi coordinativi utilizati drept transportori sintetici de dioxigen”; conducator
stiintific: Prof. Dr. Ioan Berdan.

.**1982** - iunie, examen de bacalaureat; Liceul de Matematica-Fizica ”Gr,Ghica vv.”
Dorohoi, jud Botosani

..**1978** - Școala primară și gimnazială: Școala generala nr. 4, Dorohoi, jud. Botosani.

SPECIALIZĂRI
POSTUNIVERSITARE

EDUCAȚIE

STAGII DE PREGĂTIRE ȘI
MOBILITĂȚI

MEMBRU ÎN SOCIETĂȚI
ȘTIINȚIFICE

CUNOȘTINȚE UTILIZARE
COMPUTERE

LIMBI STRĂINE
CUNOSCUTE

Membri al Societatii Romane de Chimie,

Operare bună PC (Microsoft Office Word; Microsoft Office Power Point; Microsoft Office
Excel; Origin, Internet (Explorer, Mozila, Opera), Chem Office, Isis draw), soft
operare aparate (Spectra manager, Opus, Mastrec, Cintral etc). ș.a.

Engleză (citit, scris, vorbit),

Lucrari publicate

1. I.Berdan, N.Calu, A. Pui, C.Miță, “Realizări ale chimiei anorganice în domeniul transportorilor sintetici de oxygen”, *Rev.Șt.”V.Adamachi” Iași*, 1(1), 34 (1993);
2. Al.Cecal,D.Humelnicu, C.Miță, A.Iordan, D.Colosnic, “Use of some synthetic zeolites for the recovery of uranyl ions from residual waters”, *Anal.Șt.Univ.”Al.I.Cuza”Iași*,IV, s Chimie, 83 (1996);
3. A.Gulea, Al.Cecal, V.Rudic, I.Palamaru, C.Miță, “Hydration of uranyl ions in aqueous solution”, *Anal.Șt.Univ.”Al.I.Cuza”Iași*,V, s Chimie, 53 (1997);
4. I.Berdan, T.Antonescu, T.Farcaș, I.Ilea, C.Miță, “L’influence des varieties d’oxyde de plomb sur la formation des sulfates basiques de plomb”, *Anal.Șt.Univ.”Al.I.Cuza”Iași*,V, s Chimie, 57 (1997);
5. C.Miță, I.Berdan, “Study of substitution reactions in the series of metallic acetylacetonates”, *Anal.Șt.Univ.”Al.I.Cuza”Iași*,V, s Chimie, 181 (1997);
6. T.Onofrei, C.Arsene, C.Mita, “Sorption and separation of Co(II), Cu(II) and Ni(II) on 1(4’-azobenzylvellulose)-2-naphtol”, *South.Braz.J.Chem.*,5 (5), 79 (1997);
7. T.Onofrei, M.Albu, C.Mita, *Sorption and concentration of Ag(I) on celluloses with ayo and thiourea groups*, *Cellulose Chem.Techn.*, 35, 5-6, 429-433 (2001)

8. T.Onofrei, C.Arsene, C.Mita, C.Agache, *Sorption of elements from group II A on 4-(benzylcellulose)-5-azo-8-hydroxyquinoline*, Cellulose Chem.Techn., 35, 1-2, 15-23 (2001)
9. T.Onofrei, C.Arsene, M.Albu, C.Mita, *Sorption of Pb(II) on chemically-modified celluloses*, Anal.St.Univ."Al.I.Cuza" Iasi, tom VIII, 2, 275-280 (2000)
10. T.Onofrei, C.Arsene, C.Mita, *Sorption of Cu(II), Cd(II) and Zn(II) on 4-(benzylcellulose)-5-azo-8-hydroxyquinoline*, Anal.St.Univ."Al.I.Cuza" Iasi, tom XI, 69-74 (2003)
11. I.Berdan, N.Cornei, M.-L.Craus, C.Mita, *Synthesis, structure and magnetic properties of sol-gel $(Sm_{1-x}Tb_x)_{0.6}Ba_{0.4}MnO_{3-\delta}$ perovskite*, Anal.St.Univ."Al.I.Cuza" Iasi, tom X, 2, 167-174 (2002)
12. N.Cornei, M.-L.Craus, C.Mita, I.Berdan, M.-N.Palamaru, *New magnetoresistive materials in the $(Ho_{0.6}Yb_{0.4})_{1-x}Sr_xMnO_{3-\delta}$ system*, Anal.St.Univ."Al.I.Cuza" Iasi, tom XI, 41-45 (2003)
13. M.-L.Craus, N.Cornei, C.Mita, I.Berdan, *The influence of the sintering conditions on the transport properties of $La_{0.44}Ho_{0.11}Sr_{0.45}MnO_{3-\delta}$ and $Nd_{0.44}Ho_{0.11}Sr_{0.45}MnO_{3-\delta}$ compounds*, J.Optoelectr.Adv.Mat., 5(4), 963-969 (2003)
14. N.Cornei, M.-L.Craus, I.Berdan, C.Mita, *Magnetoresistivity of $(La,Nd)_{0.44}Ho_{0.11}Sr_{0.45}MnO_{3-\delta}$ manganites*, 13th Romanian International Conference on Chemistry and Chemical Engineering, Bucuresti, 3, 1-7 (2003)
15. N.Cornei, M.L.Craus, C.Mita, M.N.Palamaru, I.Berdan, *The influence of Tb substitution on the transport properties of $(Tb_{1-x}Sm_x)_{0.6}Sr_{0.4}MnO_{3-\delta}$ manganites*, International of Physics Advanced Materials and Structures, Timisoara, Romania, 68-70, (2002)
16. M-L Craus, Nicoleta Cornei, C. Miță, I. Berdan, și M. N. Palamaru, "The magnetoresistance of some $(Tb_{1-x} Sm_x)_{0.6}Sr_{0.4}MnO_{3-\delta}$ manganites", Ceramics International, 30(3), 447-452 (2004).
17. M.-L. Craus, N.Cornei, C. Mita, I. Berdan; "The influence of the sintering conditions on the transport properties of $La_{0.44}Ho_{0.11}Sr_{0.45}MnO_{3-\delta}$ and $Nd_{0.44}Ho_{0.11}Sr_{0.45}MnO_{3-\delta}$ compounds", *J.Optoelectronics and Advanced Materials*, 5 (4), 963-969, 2003.
18. N. Cornei, M.-L. Craus, I. Berdan, C. Mita "Magnetoresistivity of $(La, Nd)_{0.44}Ho_{0.11}Sr_{0.45}MnO_{3-\delta}$ Manganites" 13th Romanian International Conference on Chemistry and Chemical Engineering" - University "Politehnica" of Bucharest - Faculty of Industrial Chemistry, 3, 1-7, 2003.
19. L. Craus, Nicoleta Cornei, I. Berdan, C. Miță și M. N. Palamaru, "The influence of the Sm substitution with Gd on the transport properties of some $(Gd_{1-x}Sm_x)_{0.6}Sr_{0.4}MnO_{3-\delta}$ manganites", Rev. Roum. Chim., 49(1), 55-60 (2004).
20. N. Cornei, M. L. Craus, C. Mita, I. Berdan, M. N. Palamaru, *New magnetoresistive materials in the $(Ho_{0.6}Yb_{0.4})_{1-x}Sr_xMnO_{3-\delta}$ system*, Ann. St. Univ. "Al. I. Cuza" Iasi, série chimie, XI (1), 41-45, 2003.
21. M.L.Craus, C.Mita, N.Cornei, M.Loizovanu, "Extrinsic magnetoresistance of some $(Tb,Gd)_{1-x}Sm_x)_{0.6}Sr_{0.4}MnO_3$ manganites" 14th Romanian International Conference on Chemistry and Chemical Engineering" - University "Politehnica" of Bucharest - Faculty of Industrial Chemistry, 1, 231-240, 2005.
22. D.Bontea, C.Mita, D.Humelnicu, "Removal of uranyl ions from wastewaters using cellulose and modified cellulose materials" *J.Radioanalytical and Nuclear Chemistry*, 268 (2), 305-311 (2006).
23. M.-L. Craus, M. Lozovan, N. Cornei, C Mita "Structure and magnetic properties of some Cr-substituted manganites", *Journal of Optoelectronics and Advanced Materials*, 9(4), 907 - 910 (2007)
24. N. Cornei, C. Mita, M.-L. Craus "Structure and magnetic properties in $La_{0.54}Ho_{0.11}Sr_{0.35}Co_xMn_{1-x}O_3$ system", - *Buletinul Universitatii "Transilvania" Brasov*, vol II, 363-366 (2007)
25. M.-L. Craus, N.Cornei, C.Mita, M.Loizovan "Magnetic structure of $La_{0.54}Ho_{0.11}Sr_{0.35}Mn_{1-x}Co_xO_3$ manganites" - *Buletinul Institutului Politehnic din Iasi*, Tomul LIII (LVII), f.I, 39-44 (2007)
26. C.Mita, N.Cornei, M.-L. Craus, M.Loizovan "Synthesis, structural analysis and magnetic properties of $La_{0.54}Ho_{0.11}Sr_{0.35}Mn_{1-x}Cr_xO_3$ manganites", *Buletinul Institutului Politehnic din Iasi*, Tomul LIII (LVII), f.I, 85-92 (2007)
27. 1. M. L. Craus, M. Lozovan, N. Cornei, *Electronic diagram modification in $La_{0.54}Ho_{0.11}Ca_{0.35}Mn_{1-x}(Co/Cr)_xO_3$ manganites*, JOAM, 10 (2), 348-351 (2008) (I.F. 1.106).
28. 2. M. L. Craus, M. Lozovan, N. Cornei, C. Mita, *Transport and magnetic properties of Fe substituted manganites*, JOAM, 10(2) 269-272 (2008) (I.F. 1.106).
29. 3. M. L. Craus, N. Cornei, C. Mita and M. Lozovan, *Microstructure of $La_{0.54}Ho_{0.11}Ca_{0.35-y}K_yMn_{1-y}Cu_yO_3$ manganites*, Optoelectronics and Advanced Materials – rapid communications, 2(1),33-36 (2008).
30. 4. N. Cornei, M.L. Craus and C. Mita "Synthesis and structural analysis of *La-Sr manganites doped with Ho*", Romanian Journal of Physics, Volume 53, Nos. 1-2, P.271-276, Bucharest (2008) (CNCSIS- categoria B)
31. D. Luca, M.L. Craus, M. Lozovan, N. Cornei, C. Mita, G. Paicu, *Magnetic/temperature sensors and their electrical transport properties*, ATOM-N 2008, procedeng SPIE
32. D. Luca, C. Fosolau, M.L. Craus, C. Mita, N. Cornei, M. Lozovan, *The $La_{0.54}Sm_{0.11}Ca_{0.35}MnO_3$ perovskites doped with Cu for the magnetoresistive sensor*, ATOM-N 2008, procedeng SPIE
33. 5. D. Sibiescu, M.D.Tutulea C. Miță, C. Corneliu, I. Rosca. M. Mihaela, *The Obtaining and The Stability in Aqueous Medium of New Complex Compounds of Ni (II) and Co (II) with N- hydroxy- succinimide with optoelectronics transitions*, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies, Proc. of SPIE Vol. 7821, 78210M-1-9 (2009),
34. L. Iftime, D.G. Cozma, C. Mita, *Perfectionarea metodelor de evaluare prin utilizarea interpretării statistice*, vol. "Aspecte cantitative privind raportul formative-informativ in predarea chimiei in invatamantul preuniversitar", Ed. UAIC, Iasi, 2012, ISBN-978-973-703-844-9.

Carti si manuale de laborator:

1. C.Miță, M.Goanță, D.Humelnicu, „Lucrari practice de chimia nemetalelor” Ed. "Al.I.Cuza"Univ. Iasi, 1998
- 2.D.Cozma, M.Goanță, D.Humelnicu, C.Miță, A.Pui, „ Exerciții și probleme de Chimie anorganică”, Iasi 1996
- 3.M.N.Palamaru, C.Mita, D.Humelnicu, A.F.Popa, M.Goanță, N.Cornei, "Bazele Chimiei anorganice. Lucrari practice si aplicatii", Iasi, 2003

Participari conferinte:

1. I.C.Mita, I.Bunia, I.Berdan, *Sorption of some metallic cations on acrylic ion exchangers with low basicity. I. Kinetics study, structure and thermic behavior of the support-metallid cation combinations*, 12th Romanian International Conference on Chemistry and Chemical Engineering, , 13-15.09.2001, Bucuresti. Romania (comunicare)
2. M.-L.Craus, N.Cornei, I.Berdan, M.-N.Palamaru, C.Mita, *Electical Properties and structure of some $(Ln_{1-x}Ln'_x)Sr_{1-x}MnO_{3-\delta}$ Manganites*, National Physics Conference,
3. Nicoleta Cornei, M. L. Craus, C. Mita, M. N. Palamaru, I. Berdan, "The influence of Tb substitution on the transport properties of $(Tb_{1-x}Sm_x)_{0.6}Sr_{0.4}MnO_{3+\gamma}$ manganites", *International of physics: "Advanced Materials and structures"*, Timișoara, Romania,
4. M.-L.Craus, N.Cornei, C.Mita, I.Berdan, *The influence of the sintering conditions on the transport properties of $La_{0.44}Ho_{0.11}Sr_{0.45}MnO_{3-\delta}$ and $Nd_{0.44}Ho_{0.11}Sr_{0.45}MnO_{3-\delta}$ compounds*, VIth International Edition of Romanian Conference on Advanced materials ROCAM, Constanta, Romania, 10/2003
5. N.Cornei, M.L.Craus, I.Berdan, C.Mita, *Magnetoresistivity of $(La,Nd)_{0.44}Ho_{0.11}Sr_{0.45}MnO_{3-\delta}$ manganites*, 13th Romanian International Conference on Chemistry and Chemical Engineering, 09/2003, Bucuresti. Romania
6. C.Mita, I.Bunia, M.Popa, I.Berdan, *Sorption du zinc sue des polymeres chelatants a caractere faiblement basiques et amphoteres*, 6^{eme} CFR sur les Polymeres, 09/2003, Rouen, France
7. C.Mita, I.Bunia, *Study of retention of $UO_2(VI)$ and $Co(II)$ on acrylic copolymers*, Zilele Academice Iesene, Ed XV, 4-6.10.2001, Iasi
8. I.Bunia, C.Mita, M.Popa, *Three-dimensional acrylic structures with hydrazinic groups*, Zilele Academice Iesene, Ed XV, 4-6.10.2001, Iasi
9. C.Mita, D.Bontea, *Studiul retinerii unor cationi metalici divalenti pe derivati sililcelulozici*, Zilele Academice Iesene, Ed XVI, 3-5.10.2002, Iasi
10. C.Mita, D.Bontea, *Comportarea deivatilor sililcelulozici la retinerea ionilor de $Zn(II)$* , Zilele Academice Iesene, Ed XVII, 25-27.09.2003, Iasi
11. C.Mita, I.Berdan, *Cercetari privind reactivitatea unor β -dicetonati metalici* Zilele Universitatii "Al.I.Cuza" Iasi, 10/1999
12. N.Cornei, M.L.Craus, C.Mita, I.Berdan, M.N.Palamaru *Sinteza si caracterizarea compusilor perovskitici de tipul $Ln_{1-x}Sm_xMnO_3$* , Zilele Universitatii "Al.I.Cuza" Iasi, 10/2000
13. D.Bontea, D.Humelnicu, C.Mita, *Comportarea derivatilor sililcelulozici tratati cu solutii de uranil*, Zilele Universitatii "Al.I.Cuza" Iasi, 10/2001
14. N.Cornei, M.L.Craus, I.Berdan, C.Mita, M.N.Palamaru, *Influenta concentratiei ionului de pamant rar asupra mecanismului de conductie la perovkitii din sistemul $(Ln_{1-x}Sm_x)_{0.6}Sr_{0.4}MnO_{3+\delta}$* , Zilele Universitatii "Al.I.Cuza" Iasi, 10/2001
15. N.Cornei, M.L.Craus, C.Mita, I.Berdan, M.N.Palamaru, *Fenomenen de transport in oxizi complecsi de tip $(Mo_{1-y}Nd_y)_{1-x}Sr_xMnO_3$* , Zilele Universitatii "Al.I.Cuza" Iasi, 10/2002
16. N.Cornei, M.L.Craus, I.Berdan, C.Mita, *Efectul magnetorezistiv in compusi de tip $(Ln_{1-x}Yb_x)_{1-y}Sr_yMnO_{3+\delta}$* , Zilele Universitatii "Al.I.Cuza" Iasi, 11/2003
17. M.L.Craus, N.Cornei, C.Mita, „Magnetoresistance and structure of $((Tb,Gd)_{1-x}Sm_x)_{0.6}Sr_{0.4}MnO_3$ manganites”, Conferinta Nationala de Fizica, Pitesti, 09/2004.
18. N.Cornei, M.L.Craus, C.Mita, On the structural and magnetic modification induced by thermal treatment at some $(La_{0.5}Yb_{0.5})_{1-x}Sr_xMnO_3$ manganites, Zilele Universitatii "Al.I.Cuza" Iasi, 10/2004
19. C. Mita, I.Berdan, *Combinatii coordinative ale $Co(II)$ cu β -dicetone*, Zilele Universitatii "Al.I.Cuza" Iasi, 10/2004
20. L.Budes-Mercaș, A.R.Iordan, C.Mita, M.N.Palamaru, *Compusi coordinativi ai $Cr(III)$ cu carbamatul de etil*, Zilele Universitatii "Al.I.Cuza" Iasi, 10/2004
21. C.Mita, N.Cornei, M.L.Craus, *The influence of Sr substitution with K on magnetoresistance and structure of some $(La_{0.5}Yb_{0.5})_{1-x}Sr_xK_yMnO_3$ -RICCCE XVI 22-24.09.2005*
22. M.L.Craus, C.Mita, N.Cornei, M.Loizovanu, *Extrinsic magnetoresistance of some $((Tb,Gd)_{1-x}Sm_x)_{0.6}Sr_{0.4}MnO_3$* , RICCCE XVI 22-24.09.2005
23. I.Berdan, C.Mita, E.D. Codreanu, *Studii privind sinteza si caracterizarea unor compusi coordinative ai $Ag(II)$* . ZU »Al.I.Cuza » Iasi oct 2005
24. Mihail-Liviu CRAUS, Mihai LOZOVAN, Nicoleta CORNEI and Carmen MATA, "Structure and Magnetic Properties of Some Cr-Substituted Manganites" 7thIBWAP, 5-7 iulie 2006:
25. Mihail-Liviu CRAUS, Mihai LOZOVAN, Nicoleta CORNEI and Carmen MATA „Magnetoresistance and Structure in $La_{0.54}Ho_{0.11}Sr_{0.35}Co_xMn_{1-x}O_3$ System”, 7thIBWAP, 5-7 iulie 2006
26. Mihail-Liviu Craus, Nicoleta Cornei and Carmen Mita „Effect of Cu on the structural and magnetic properties of $La_{0.54}Ho_{0.11}Sr_{0.35}Mn_{1-x}Cu_xO_3$ ” 7thIBWAP, 5-7 iulie 2006:
27. Nicoleta Cornei, Mihail-Liviu Craus and Carmen Mita "Synthesis and structural analysis of La-Sr manganites doped with Ho", iunie 2006. Conferinta Nationala de Fizica, Galati, Romania, iunie 2006
28. Carmen Mita, Mihail-Liviu Craus and Nicoleta Cornei, "The influence of Na cations on the structure of $La_{0.54}Ho_{0.11}Ca_{1-x}Na_xMnO_3$ manganites", iunie 2006. Conferinta Nationala de Fizica, Galati, Romania, iunie 2006:
29. N. Cornei, C. Mita, M.-L. Craus, "Structure and magnetic properties in $La_{0.54}Ho_{0.11}Sr_{0.35}Co_xMn_{1-x}O_3$ system" *International Conference on Materials Science and Engineering –BRAMAT- 22-24/02/2007, Brasov, Romania*
30. M.-L. Craus, N.Cornei, C.Mita, M.Loizovan, „Magnetic structure of $La_{0.54}Ho_{0.11}Sr_{0.35}Mn_{1-x}Co_xO_3$ manganites” *The VIth International Congress in Materials Science and Engineering, 24-27 mai, Iasi, Romania*
31. C.Mita, N.Cornei, M.-L. Craus, M.Loizovan, "Synthesis, structural analysis and magnetic properties of $La_{0.54}Ho_{0.11}Sr_{0.35}Mn_{1-x}Cr_xO_3$ manganites", *The VIth International Congress in Materials Science and Engineering, 24-27 mai, Iasi, Romania*
32. N. Cornei C. Mita, O. Mentre, N.Tancret, F. Abraham, M.-L. Craus, "Synthesis, structural analysis and magnetic properties of Sc-doped $Nd_{0.8}Sr_{0.2}Mn_{1-y}Sc_yO_3$ manganites", *IEEE ROMSC 2007, 28- 29 mai 2007, Iasi, Romania*
33. M.-L. Craus, M. Loizovan, N. Cornei and C. Mita, "Magnetic/crystalline disorder and transport phenomena in $La_{0.54}Ho_{0.11}((Sr, Ca)(K, Na))_{0.35}MnO_3$ manganites", *IEEE ROMSC 2007, 28- 29 mai 2007, Iasi, Romania*

34. N. Cornei, C.Mita, M.L.Craus, O. Mentre, N.Tancret and F. Abraham, "Phase separation in $\text{La}_{0.54}\text{Sm}_{0.11}\text{Ca}_{0.35}\text{Mn}_{1-x}\text{Cu}_x\text{O}_3$ manganites", 11-13 sept. 2007. *European Conference on Solide State Chemistry, ECSSC XI,, Caen, Franta*
35. C. Mita, M.L.Craus, N. Cornei, M. Lozovan, "Extrinsic/Intrinsic magnetoresistance in $\text{La}_{0.54}\text{Ho}_{0.11}\text{Sr}_{0.35}\text{Mn}_{1-x}\text{Co}_x\text{O}_3$ ", 4th *International Workshop on Amorphous and Nanostructured Magnetic Materials, Iasi, Romania, 29-31 august, 2007*
36. N. Cornei, C. Mita, M.-L. Craus, M. Lozovan, F. Abraham, N. Tancret, O. Mentre, "Synthesis, Structure and Properties of Potassium-Doped $\text{La}_{0.54}\text{Ho}_{0.11}\text{Sr}_{0.35-y}\text{K}_y\text{MnO}_3$ manganites", *National Conference on Nanostructured Multifunctional Materials , NMM07, 19-20 octombrie 2007, Sinaia,Romania.*
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Contracte de cercetare

Programul/Proiectul	Funcția	Perioada: de la... până la...
Sinteza și caracterizarea unor compusi coordinați cu proprietăți optice, termice și electrice speciale, Acad.Rom., nr 3557	colaborator	1996-1997
Separarea și valorificarea unor componente utile din minereuri indigene și subproduse industriale, CNCSU 7011/1997	colaborator	1997-1999
Cercetări privind reactivitatea și mecanismele de reacție ale compusilor coordinați, CNCSIS 951	colaborator	2001-2003
Compuși oxidici cu proprietăți speciale din clasa compusilor oxidici, CNCSIS	colaborator	2002-2004
Perovskiti simpli magnetorezistivi și nanocristalini cu substituții de pământ rar CERES 3-3/55.11.2003	colaborator	2004-2005
Cercetări privind magnetorezistența extrinsecă și intrinsecă la manganiti simpli de compoziție LLAMnTO cu adaosuri de Alk, CERES 4-207/2004	colaborator	2004-2006
The extrinsic magnetoresistance of some $(Nd_{1-x}(In, Sc)_x)_{1-x}Sr_xMnO_3$ manganites, tema 07-4-1031-99/2008, colab LNF-JINR Dubna-Rusia	colaborator	2004-2005
Magnetic structure, electronic phases and transport mechanisms in $(La, Ho)_{0.887}(Ca, Sr)_{0.333-x}(K/Na)_xMnO_3$ manganites, Proiect ANEA-JINR 18283	Responsabil proiect	2005-2006
Faze electronice și mecanisme de transport în $(Ln, Ln')_{1-x}A_xMn_{1-y}M_yO_{3+x}$ (Ln, Ln' = pământuri rare, $A = Sr, Ca, Ba, Pb, K$; $M = Cu, Cr, Co, V, Sc$), CEEX 84-1/2006	Responsabil proiect	2006-2008
Correlation between transport phenomena and structure in some rare-earth doped nonstoichiometric manganites, Proiect ANEA-JINR 20937	colaborator	2006-2007
„Nonstoichiometric manganitocobaltites: structure and transport phenomena”, tema nr. 07-4-1031-99/2008 Grant FLNP JINR Dubna-Russia și Facultatea de Chimie – Universitatea “Al.I.Cuza” Iași	colaborator	2008-2009
„Synthèse et contrôle de la stoechiométrie en oxygène de nouveaux oxydes magnétiques; microstructure et applications pour l'énergie » -3 țări partenere: Franța, România, Moldova; director de proiect: Olivier Mentré (Franța), Proiect ECO-NET nr.18825 VB/2008	colaborator	2008-2010
Magnetic/crystalline structure of some $(Ln, Ln')_{1-x}Alk_xMn_{1-y}T_yO_3$ manganites (Ln, Ln' – reare earth; T- transition metal), Grant FLNP JINR Dubna-Russia și Facultatea de Chimie – Universitatea “Al.I.Cuza” Iași- România, Grant nr. 18 din devizul IUCN 329 din 29.05.2009/tema 04-4-1069-2009/2011	colaborator	2009-2010
<i>Influence of the oxygen concentration on the structure and transport properties of some perovskitic nanomaterials used in energy conversion (SOFCs)</i> -tema din planul tematic al IUCN Dubna: Investigations of Nanosystems and Novel Materials by Neutron Scattering Methods Numar: 04-4-1069-2009/2011	-responsabil proiect	2011-2012
$Ln_{0.88}(Sr, Pb)_{0.33}(Mn, Co_{1-y})O_{3+x}$ type nanomanganites ($Ln = La, Nd$). The influence of chemical composition and of the thermal treatment on the crystallites size, electronic phase diagram and transport mechanism)-tema din planul tematic al IUCN Dubna: Investigations of Nanosystems and Novel Materials by Neutron Scattering Methods Numar: 04-4-1069-2009/2011	colaborator	2011-2012
<i>Poly- and nanocrystalline $Re_xAlk_{1-x}Co_yT_{1-y}O_3$ Cobaltites</i> , tema din planul tematic al IUCN Dubna: Investigations of Nanosystems and Novel Materials by Neutron Scattering Methods, Numar 4178-4-2011/2013	responsabil proiect	2012-2013
LnT_2O_5 ($Ln = Dy, Y$; $T = Mn, Fe$). <i>Multiferroics: Synthesis and properties</i> . tema din planul tematic al IUCN Dubna: Investigations of Nanosystems and Novel Materials by Neutron Scattering Methods, Numar: 4178-4-2011/2013	colaborator	2012-2013

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