

CURRICULUM VITAE

Nume și prenume
Locul și data nașterii
Naționalitate
Date de contact

IORAN Alexandra Raluca

Ploiești (jud. Prahova), 18.08.1957
Română
Universitatea "Alexandru Ioan Cuza" din Iași
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EDUCAȚIE

31.01.1994 **diplomă de Doctor al Universității din Poitiers (Franța), domeniul Chimie Aplicată**, echivalată cu diploma de doctor în chimie ce se acorda în România prin Ordinul Ministrului Învățământului nr. 8070/06.12.1994
1980-1981, Institutul Politehnic Iași, Facultatea de chimie, Secția Chimie, **Diplomă de Specialitate în „Fizico-chimia polimerilor**
1976-1980, Institutul Politehnic "Gh.Asachi" Iași, Facultatea de Tehnologie Chimica, Sectia Chimie, **Diplomă de Licențiat în chimie**
1972-1976, Liceul real-umanist "I. L. Caragiale" Ploiesti, **Diplomă de bacalaureat**

EXPERIENȚA PROFESIONALĂ

- din 01.10.2001 Profesor în cadrul Universității "Alexandru Ioan Cuza" Iași, Facultatea de Chimie, Catedra de Chimie Anorganică
- 16.02.1998-01.10.2001: Conferențiar în cadrul Universității "Alexandru Ioan Cuza" Iași, Facultatea de Chimie, Catedra de Chimie Anorganică
- 01.10.1994-15.02.1998 : Lector în cadrul Universității "Alexandru Ioan Cuza" Iași, Facultatea de Chimie, Catedra de Chimie Anorganică
- 01.04.1990-30.09.1994 : Asistent titular în cadrul Universității "Alexandru Ioan Cuza" Iași, Facultatea de Chimie, Catedra de Chimie Anorganică
- 15.09.1988-31.03.1990 : Asistent suplinitor în cadrul Institutului Politehnic "Gheoghe Asachi" Iași, Facultatea de Tehnologie Chimica, Catedra de chimie Anorganică.
- 01.04.1986-14.09.1988 : Chimist, Institutul de Cerăetări Chimico-Farmaceutice București, Centrul de Cercetări pentru Antibiotice Iași, colectivul de Chimie Analitică.
- 28.12.1983-31.03.1986 : Chimist la Institutul de Cercetări Chimice Bucuresti, Secția Brazi, colectivul de prelucrare polimerilor
- 07.09.1981-27.12.1983 : Chimist la Combinatul Petrochimic Brazi - Uzina de Cauciuc, Atelierul Izomerizare n-pentan și hidrogen

DOMENII DE COMPETENȚĂ

- Chimie anorganică : chimia metalelor, chimia nemetalelor, chimia compușilor coordinativi
- Materiale oxidice : sinteză, caracterizare
- Cataliză eterogenă
- Protecția mediului
- Chimie bioanorganică

DOMENII DE CERCETARE

- Oxizi polimetaliici : sinteză, caracterizare, aplicații în cataliza heterogenă ;
- Oxizi polimetaliici protecția mediului;
- Compozite anorganice-organice pentru eliberarea controlată a medicamentelor

ACTIVITATE ȘTIINȚIFICĂ (ANEXE)

- **din 2009** – Conducător de doctorat, domeniul Știința Mediului (Ordinul Ministrului Educației, Cercetării și Inovării nr.4697 / 14.08.2009)
- 2007 (7 luni, ianuarie - iulie) - Cercetător invitat la Facultatea de Științe, Universitatea din Poitiers (Franța)

➤ PORTOFOLIU ȘTIINȚIFIC

ARTICOLE PUBLICATE ȘI CĂRȚI :

- articole științifice publicate în reviste de specialitate: 82
- 65 articole în reviste cotate ISI
- 5 articol în reviste de specialitate indexe în baze de date internaționale
- Cărți : 6

MANIFESTĂRI ȘTIINȚIFICE

- peste 80 participări / 22 participări la manifestări științifice în străinătate

RECUNOAȘTERE REZULTATELOR ACTIVITĂȚII DE CERCETARE

- Hirsch index: 19, Citări : peste 800 (WOS)
- Hirsch index: 22 (Google Scholar)

DIRECTOR/RESPONSABIL GRANTURI DE CERCETARE / DEZVOLTARE : 9- finanțare națională

MEMBRU ÎN ECHIBE GRANTURI DE CERCETARE : 34 -finanțare națională

ACTIVITATE DE EVALUARE ȘI EXPERTIZĂ

Membru în Comisia "Ingineria Mediului" a CNATDCU (2012-2020)

Referent oficial în comisii de abilitare CNATDCU

- Universitatea "Alexandru Ioan Cuza" Iași



- Universitatea Tehnică "Gheorghe Asachi" Iași
- Universitatea "Vasile Alecsandri" Bacău

Referent oficial în comisii de doctorat :

- Universitatea "Alexandru Ioan Cuza" Iași
- Universitatea Tehnică "Gheorghe Asachi" Iași
- Universitatea de Medicină și Farmacie "Grigore T. Popa" Iași
- Universitatea din Poitiers (Franța)
- Universitatea Paris XI (Franța)
- Institutul Național Politehnic Toulouse (Franța)

Consultant științific de Chimie, Dicționar explicativ ilustrat al limbii române, Editura ARC (Chișinău, Moldova) și Editura GUNIVAS (Chișinău, Moldova), 2007, ISBN 978-9975-61-155-8 (ARC), ISBN 978-9975-908-04-7 (GUNIVAS), 2239 pagini

Referent științific pentru reviste internaționale de specialitate

- Powder Technology (5-Year Impact Factor: 2,437)
- Materials Letters (5-Year Impact Factor: 2,466)
- International Journal of Hydrogen Energy (5-Year Impact Factor: 3,659)
- Materials and Design (5-Year Impact Factor: 3,626)
- Ceramics International (5-Year Impact Factor: 2,540)
- Applied Catalysis A (5-Year Impact Factor: 4,402)
- Materials Science and Engineering: B (5-Year Impact Factor: 2,142)
- Surface Science (including Surface Science Letters) (5-Year Impact Factor: 1,835)
- Materials Chemistry and Physics (5-Year Impact Factor: 2,503)
- Journal of Taibah University for Science

**COORDONATOR
STRUCTURI SOCIO-
PROFESIONALE**

- Director Școala doctorală de Geoștiințe, IOSUD Universitatea "Alexandru Ioan Cuza" din Iași (din decembrie 2018)
- Coordonator Program Erasmus la Facultatea de Chimie (1996 - 2004 și 2008-2021) ;
- Director executiv al Licenței Francofone de Chimie din cadrul RUFAC (2006 - 2010) ;

**MEMBRU ÎN SOCIETĂȚI
ȘTIINȚIFICE**

Membru al Societății Române de Chimie

**LIMBI STRĂINE
CUNOSCUTE**
(Fr=franceză; En=engleză)

Lb.	Înțelegere		Vorbire		Scriere
	Ascultare	Citire	Conversație	Discurs oral	
Fr	C2	C2	C2	C2	C2
En	B2	B2	B2	B2	B2

iunie 2022

Prof. dr. chim. Alexandra Raluca IORDAN



LISTĂRI LUCRĂRI

Autor principal

- 1) **Alexandra Raluca IORDAN**, M, I, Zaki, C, Kappenstein, Interfacial chemistry in the preparation of catalytic potassium-modified Aluminas, *J, Chem, Soc., Faraday Trans.*, 1993, 89 (14), 2527, (Factor Impact = 1,032) DOI: 10.1039/FT9938902527
- 2) **Alexandra Raluca IORDAN**, C, Kappenstein, E, Colnay, M, I, Zaki, Surface contribution to the interfacial chemistry of potassium-modified oxide catalysts, Silica-alumina versus silica and alumina, *J, Chem, Soc., Faraday Trans.*, 1998, 94(8), 1149-1156, (Factor Impact = 1,032) DOI: 10.1039/a708242h
- 3) **Alexandra Raluca IORDAN**, M, N, PALAMARU, C, CIOBANU, M, L, CRAUS, AI, CECAL, A, F, POPA, Dégradation photochimique en phase solide des polymères avec des groupes de type uréthane, Influence des cations du bloc "p" sur le processus de dégradation, *Rev, Roum, de Chimie*, 2002, 47, 10-11, 1137-1146, (Factor Impact = 0,262)
- 4) **Alexandra Raluca IORDAN**, M, Palamaru, M, CRAUS, AI, CECAL, A, F, POPA, Influence of iron to bismuth substitution on the structure and the magnetic properties of nonstoichiometric ferrites system $Ni_{1+x}Fe_{2-x}Bi_yO_{4+y}$, *Rev, Roum, de Chimie*, 2002, 47, 8-9, 851-854, (Factor Impact = 0,262)
- 5) **Alexandra Raluca IORDAN**, M, I, Zaki, C, Kappenstein, Claudine Geron, XPS and in situ IR spectroscopic studies of CO/Rh/Al₂O₃ at high temperature probing the impact of the potassium functionalization of support, *Phys, Chem, Chem, Phys.*, 2003, 5, 1708-1715, (Factor Impact = 3,343) DOI: 10.1039/b300962a
- 6) **Alexandra Raluca IORDAN**, M, I, ZAKI, C, KAPPENSTEIN, Formation of carboxy species at CO/Al₂O₃ interfaces, Impacts of surface hydroxylation, potassium alkalization and hydrogenation as assessed by *in situ* FTIR spectroscopy, *Phys, Chem, Chem, Phys.*, 2004, 6 (9), 2502 – 2512, (Factor Impact = 3,343) DOI: 10.1039/b401367k
- 7) **Alexandra Raluca IORDAN**, M, Airimioaiei, M,N, Palamaru, C, Galassi, A,V, Sandu, C,E, Ciomagad, F, Prihor, L, Mitoseriu, A, Ianculescu, In situ preparation of CoFe₂O₄-Pb(ZrTi)O₃ multiferroic composites by gel-combustion technique, 2009, *Journal of the European Ceramic Society*, 29, 2807–2813 (Factor Impact = 1,562) DOI: 10.1016/j.jeurceramsoc.2009.03.031
- 8) Dumitrescu, A,M,, Samoila, P,M,, Nica, V,, **Alexandra Raluca IORDAN**, Palamaru, M,N, Study of catalytic effect of oxidic compounds of NiFe₂O₄ type in processes of chemical degradation, 2012, *Revue Roumaine de Chimie*, 57(9-10), pp, 843-848 (Factor Impact = 0,418)
- 9) Dumitrescu, A,M,, Samoila, P,M,, Nica, V,, Doroftei, F,, **Alexandra Raluca IORDAN**, Palamaru, M,N,, Study of the chelating/fuel agents influence on NiFe₂O₄ samples with potential catalytic properties, 2013, *Powder Technology*, 243, 9-17 (Factor Impact = 2,024) DOI: 10.1016/j.powtec.2013.03.033
- 10) A,M, Dumitrescu, T, Slatineanu, A, Poiata, **Alexandra Raluca IORDAN**, C, Mihailescu, M,N, Palamaru, Advanced composite materials based on hydrogels and ferrites for potential biomedical applications, 2014, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 455, 185 (Factor Impact = 2,354) DOI: 10.1016/j.colsurfa.2014.04.055
- 11) A,M, Dumitrescu, A,I, Borhan, **Alexandra Raluca IORDAN**, I, Dumitru, M,N, Palamaru, Influence of chelating/fuel agents on the structural features, magnetic and dielectric properties of Ni ferrite, 2014, *Powder Technology*, 268, 95 (Factor Impact = 2,269) DOI: 10.1016/j.powtec.2014.08.022
- 12) A,M, Dumitrescu, V, Jucan, L, Rusu, **Alexandra Raluca IORDAN**, M,N,Palamaru, The peat-template agent for Niferrite obtaining, *Revue Roumaine de Chimie*, 2015, 60(11-12), 1033-1037 (Factor Impact = 0,311)
- 13) S, Cojocar, A,M, Dumitrescu, I,G, Breabăn, A,A, Domocos, **Alexandra Raluca IORDAN**, N, Melniciuc Puică, M,N, Palamaru, Exploiting the natural potential of romanian kaolin clay, Adsorption capacity improvement through heat treatment, *Optoelectronics and advanced materials - Rapid communications*, 2015, 9, 1530 (Factor Impact = 0,394)
- 14) Dumitrescu, A, M,; Lisa, G,; **Alexandra Raluca IORDAN**; Tudorache, F,; Petrila, I,; Borhan, A, I,; Palamaru, M, N,; Mihailescu, C,; Leontie, L,; Munteanu, C,, Ni ferrite highly organized as humidity sensors, *Materials Chemistry and Physics*, 2015, 156, 170 (Factor Impact = 2,259) DOI: 10.1016/j.matchemphys.2015.02.044
- 15) Stefana Cojocar, Adrian Borhan, Vasyl Mykhailovych, Simona Cucu-Man, Nicoleta Melniciuc-Puica, Ovidiu Florin Caltun, Vasile Hulea, Maria Cazacu, Mircea Nicolae Palamaru, **Alexandra Raluca IORDAN**, Nanosized NiFe₂O₄/Kaolinite composite as adsorbent for organic dyes, *Revue Roumaine de Chimie*, 2017, 62, 8-9, 687-689 (Factor Impact = 0,262)
- 16) Borhan, A.I., Gherca, D., Cojocar, Lupu, N., Roman, T., Zaharia, M., Palamaru, M.N., **Alexandra Raluca IORDAN**, One-pot synthesis of hierarchical magnetic porous γ -Fe₂O₃@NiFe₂O₄ composite with solid-phase morphology changes promoted by adsorption of anionic azo-dye, *Materials Research Bulletin*, 2020, 122(1):110664122, (Factor Impact = 4,019) DOI: 10.1016/j.materresbull.2019.110664

Co-autor

- 17) N, CALU, I, SANDU, M, BANGURA, M, CALU, **Alexandra Raluca IORDAN**, Recuperarea componentilor principali din slamul rosu (II), Spectre IR ale compusilor din diferite faze de separare, *Revista de Chimie*, (Bucuresti), 1991, 42 (4-5), 226-228, (Factor Impact = 0,261)
- 18) M, CRAUS, M, PALAMARU, AI, CECAL, I, RUSU, **Alexandra Raluca IORDAN**, Structural charges in the perovskitic compounds series Sr₂Mg_{1-x}Ml_xMoO₆, *J, Phys, IV France*, 1997, 7, C1-375-376, (Factor Impact = 0,291) DOI: 10.1051/jp4:19971154

- 19) Al, Cecal, M, Palamaru, A, PUI, S, ChiȘcĂ, **Alexandra Raluca IORDAN**, Radiometric metode for the study of the nucleation of crystals containing $^{134}\text{Cs}^+$ ions in gelatin, *J, Radioanal, Nucl, Chem.*, 1997, **222**, 39-43, (Factor Impact = 0,499)
- 20) Al, Cecal, S, ChiȘcĂ, M, Palamaru, **Alexandra Raluca IORDAN**, Radiokinetic study on the nucleation in agar and gelatin of some crystals containing $^{55+59}\text{Fe}^{3+}$ ions, *J, Radioanal, Nucl, Chem.*, 1998, **238**, 203-206 (Factor Impact = 0,499)
- 21) M, PALAMARU, M, CRAUS, **Alexandra Raluca IORDAN** Al, CECAL, F, POPA, The synthesis and characterisation of the $\text{Li}_x\text{Cu}_{1-2x}\text{Fe}_{2+x}\text{O}_4$ system compounds, *Solid State Sciences*, 1999, **1**(1), 63-69, (Factor Impact = 1,698) DOI : 10.1016/S1293-2558(00)80065-5
- 22) M, PALAMARU, M, CRAUS, **Alexandra Raluca IORDAN**, Al, CECAL, A, Popa, The influence of the deviation from molar $\text{Sr}:(\text{Mg}+\text{Ni})=2:1$ ratio on the phase composition in the $\text{Sr}_{1,7}\text{Mg}_x\text{Ni}_{1-x}\text{Mo}_{0,5,7}$ system, *Revue Roumaine de Chimie*, 2000, **45** (1), 13-19, (Factor Impact = 0,262)
- 23) Al, CECAL, A, PARASCHIVESCU, A, GULEA, M, N, PALAMARU, **Alexandra Raluca IORDAN**, K, POPA, M, CRAUS, Use of some catalysts in the radiolical split of water, *Rev, Roum, de Chimie*, 2002, **47**, 1-2, 165-172, (Factor Impact = 0,262)
- 24) M, N, PALAMARU, **Alexandra Raluca IORDAN**, C, CIOBANU, M, L, CRAUS, Al, CECAL, A, F, POPA, Dégradation photochimique en phase solide des polymères avec des groupes de type uréthane, Influence des biocations du bloc "d" sur le processus de dégradation, *Rev, Roum, de Chimie*, 2002, **47**, 3-4, 363-372, (Factor Impact = 0,262)
- 25) Al, Cecal, K, Popa, I, I, Crăciun, V, Potoroacă, **Alexandra Raluca IORDAN**, I, Cărauș, Bioaccumulation in macrophytae plants of some microelements from alkaline sludge resulting from uranium ores processing, *Revista de Chimie*, (Bucuresti), 2002, **53** (4), 290-293, (Factor Impact = 0,262)
- 26) Al, CECAL, K, POPA, S, CHISCA, A, BALAN, **Alexandra Raluca IORDAN**, Kinetic study on the nucleation process within the systems $^{204}\text{Tl}^+-\text{CrO}_4^{2-}$, $^{204}\text{Tl}^+-\text{H}_2\text{PO}_4^-$ și $^{204}\text{Tl}^+-\text{IO}_3^-$ in gelatin, *Rev, Roum, de Chimie*, 2003, **48**(5), 357-360, (Factor Impact = 0,262)
- 27) Al, CECAL, A, PARASCHIVESCU, D, COLISNIC, K, POPA, **Alexandra Raluca IORDAN**, Hydrogen production by catalysed radiolysis of water, *Rev, Roum, de Chimie*, 2003, **48**(1), 27-31, (Factor Impact = 0,262)
- 28) M, N, Palamaru, M, L, Craus, **Alexandra Raluca IORDAN**, C, Kappenstein, The synthese and study of the properties of the compounds from $\text{NiSb}_x\text{Fe}_{2-x}\text{O}_4$ system *Rev, Roum, de Chimie*, 2005, **50**(2), 97-102, (Factor Impact = 0,262)
- 29) K, Popa, M, N, Palamaru, **Alexandra Raluca IORDAN**, D, Humelnicu, G, Drochioiu, Al, Cecal, Laboratory analyses of $^{60}\text{Co}^{2+}$, $^{65}\text{Zn}^{2+}$ and $^{55+59}\text{Fe}^{3+}$ radiocations uptake by Lemna minor , 2006, *Isotopes in Environmental and Health Studies*, (1) 87-95, (Factor Impact = 0,585) DOI: 10.1080/10256010500384655
- 30) B, Fournaud, **Alexandra Raluca IORDAN**, S, Rossignol, J,-M, Tatibouet, S, Thollon, Processing and characterization of spherical alumina pellets coated with BaTiO_3 and $\text{Li}_{0,10}\text{Ti}_{0,02}\text{Ni}_{0,88}\text{O}$ dielectric materials, 2008, *European Journal of Inorganic Chemistry*, (33), 5263-5273, (Factor Impact = 2,597) DOI: 10.1002/ejic.200800538
- 31) M, N, Palamaru, **Alexandra Raluca IORDAN**, C, D, Aruxandei, I, A, Gorodea, E, A, Perianu, I, Dumitru, M, Feder, O, F, Caltun, The synthesis of doped manganese cobalt ferrites by auto combustion technique, 2008, *Journal of Optoelectronics and Advanced Materials*, **10** (7), 1853-1856, (Factor Impact = 0,827)
- 32) Ciomaga, C,E., Galassi, C., Prihor, F., Dumitru, I., Mitoseriu, L., **Alexandra Raluca IORDAN**, Airimioaei, M., Palamaru, M,N., Preparation and properties of the $\text{CoFe}_2\text{O}_4\text{-Nb-Pb}(\text{Zr,Ti})\text{O}_3$ multiferroic composites prepared in situ by gel-combustion method, 2009, *Journal of Alloys and Compounds*, **485** (1-2), 372-378 (Factor Impact = 1,455) DOI: 10.1016/j.jallcom.2009.05.101
- 33) Gorodea, I,A., Perianu, E,A., **Alexandra Raluca IORDAN**, Palamaru, M,N, Structural, electrical and magnetic characterization of the double perovskites $\text{Sr}_2\text{Cr}_{(1+x)}\text{W}_{(1-x)}\text{O}_6$, 2010, *Revista de Chimie*, **61**(4), 351-354 (Factor Impact = 0,590)
- 34) Perianu, Elena-Adriana Gorodea, Ioana Aurelia Prihor, Felicia Mitoseriu, Liliana Ianculescu, Adelina Carme,n **IORDAN, Alexandra Raluca**, Palamaru, Mircea Nicolae, Preparation by Citrate Combustion and Characterization of Complex Oxides $\text{Ca}_{2-x}\text{La}_x\text{MnMoO}_6$, *Revista de Chimie*, 2010, **61**, 3, 242-244, (Factor Impact = 0,590) (http://www.revistadechimie.ro/article_eng.asp?ID=2544)
- 35) Ciomaga, C, E, Dumitru, I, Mitoseriu, L, Galassi, C, **Alexandra Raluca IORDAN**, Airimioaei, M, Palamaru, M, N., Magnetolectric ceramic composites with double-resonant permittivity and permeability in GHz range: A route towards isotropic metamaterials, *Scripta Materialia*, 2010, **62**, 8, 610-612, (Factor Impact = 2,806) DOI: 10.1016/j.scriptamat.2010.01.005
- 36) Airimioaei, M., Ciomaga, C,E., Apostolescu, N., Leontie, L., **Alexandra Raluca IORDAN**, Mitoseriu, L., Palamaru, M,N, Synthesis and functional properties of the $\text{Ni}_{1-x}\text{Mn}_x\text{Fe}_2\text{O}_4$ ferrites, 2011, *Journal of Alloys and Compounds*, **509**(31), 8065-8072 (Factor Impact = 2,289) DOI: 10.1016/j.jallcom.2011.05.034
- 37) Perianu, E,-A., Gorodea, I,A., Gheorghiu, F., Sandu, A,V., Ianculescu, A,C., Sandu, I., **Alexandra Raluca IORDAN**, Palamaru, M,N., Preparation and dielectric spectroscopy characterization of $\text{Ca}_2\text{MnMoO}_6$ (A = Ca,Sr and Ba) double 2011, perovskites, *Revista de Chimie*, **62**(1), 17-20 (Factor Impact = 0,590)
- 38) Slatineanu, Tamara, **Alexandra Raluca IORDAN**, Palamaru, Mircea Nicolae, Caltun, Ovidiu Florin, Gafton, Vasilica, Leontie, Liviu, Synthesis and characterization of nanocrystalline Zn ferrites substituted with Ni, *Materials Research Bulletin*, 2011, **46**, 9, 1455-1460
- 39) Slatineanu, T., Diana, E., Nica, V., Oancea, V., Caltun, O,F., **Alexandra Raluca IORDAN**, Palamaru, M,N, The influence of the chelating/combustion agents on the structure and magnetic properties of zinc ferrite, 2012,



- 40) Constantin, C.P., Slatineanu, T., Palamaru, M., **Alexandra Raluca IORDAN**, Caltun, O.F, CoxZnx-1Fe2O4 Nanoparticles ferrite series as magnetic resonance imaging contrast agents, 2012, *Digest Journal of Nanomaterials and Biostructures*, 7(4), 1793-1798 (Factor Impact = 1,200)
- 41) Samoila, P.; Slatineanu, T.; Postolache, P.; **Alexandra Raluca IORDAN**; Palamaru, M, N., The effect of chelating/combustion agent on catalytic activity and magnetic properties of Dy doped Ni-Zn ferrite, 2012, *Materials Chemistry and Physics*, 136(1), 241-246 (Factor Impact = 2,072)
- 42) Aruxandei, Carmen Dorina; Cornei, Nicoleta; Hutanu, Cristina Amalia; Ciomaga, Cristina Elena; Samoila, Petrisor Mugurel; **Alexandra Raluca IORDAN**; Palamaru, Mircea Nicolae, Sol-Gel Synthesis and Characterization of $\text{LiMn}_{2-x}\text{Cu}_x\text{O}_4$ Spinel, 2012, *Revista de Chimie*, 63(1), 14-17 (Factor Impact = 0,590)
- 43) Ciomaga, C.E., Airimioaei, M., Nica, V., Hrib, L.M., Caltun, O.F., **Alexandra Raluca IORDAN**, Galassi, C., Mitoseriu, L., Palamaru, M,N, Preparation and magnetoelectric properties of NiFe 2O 4-PZT composites obtained in-situ by gel-combustion method, 2012, *Journal of the European Ceramic Society*, 32(12), 3325-3337 (Factor Impact = 2,36) DOI : 10.1016/j.jeurceramsoc.2012.03.041
- 44) Druc, A.C., Borhan, A.I., Nedelcu, G.G., Leontie, L., **Alexandra Raluca IORDAN**, Palamaru, M,N, Structure-dielectric properties relationships in copper-substituted magnesium ferrites, 2013, *Materials Research Bulletin*, 48(11), 4647-4654 (Factor Impact = 1,913) DOI: 10.1016/j.materresbull.2013.08.002
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- 46) Feraru, S., Samoila, P., Nica, V., **Alexandra Raluca IORDAN**, Palamaru, M,N., Influence of the B-site cation nature on dielectric properties of Ca_2XBiO_6 (X = Dy, Fe, Al) double perovskite, 2013, *Chemical Papers*, 67(10), 1311-1316 (Factor Impact = 0,879) DOI: 10.2478/s11696-013-0394-9
- 47) Tamara Slatineanu, **Alexandra Raluca IORDAN**, Victor Oancea, Mircea Nicolae Palamaru, Ioan Dumitru, Cristin Petrica Constantin, Ovidiu Florin Caltun, Magnetic and dielectric properties of Co-Zn ferrite, 2013, *Materials Science and Engineering B*, 178, 1040- 1047 (Factor Impact = 1,846) DOI: 10.1016/j.mseb.2013.06.014
- 48) Borhan, A.I., **Alexandra Raluca IORDAN**, Palamaru, M,N, Correlation between structural, magnetic and electrical properties of nanocrystalline Al^{3+} substituted zinc ferrite, 2013, *Materials Research Bulletin*, 48(7), 2549-2556 (Factor Impact = 1,913) DOI: 10.1016/j.materresbull.2013.03.012
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LIDER/RESPONSABIL DE PROIECT/GRANT

1. VALIDAREA UNUI NOU ADSORBANT ANORGANIC CU MORFOLOGIE DE NANO-FIBRE CONECTAT LA CARBON ACTIV PENTRU INDEPARTAREA UNOR PRODUSE FARMACEUTICE DIN APE UZATE, acronim VAL1D, PN-III-P2-2.1-PED-2019-4215, 600.000 lei
2. TEHNOLOGIE NOUA, DE SEPARARE A URANIULUI PRIN EXTRACTIE CU SOLVENTI, IN IN CAMP DE ULTRASUNETE, CU IMPACT BENEFIC ASUPRA REDUCERII CONTAMINARII CU URANIU A AREALULUI INCONJURATOR-UEXUS (Responsabil UAIC - Autoritatea Contractantă: Institutul National de Cercetare Dezvoltare pentru Metale si Resurse Radioactive –ICPMRR Bucuresti) PN II 21-074 / 2007-2010, 186000 lei
3. COMPUSI ANORGANICI CU PROPRIETATI SPECIALE DIN CLASA COMPUSILOR OXIDICI (contract CNCIS cu etape licitate anual : 180/1999;159/2000;13/2001;306/2002) 113.000.000 lei
4. SINTEZE SI CARACTERIZARI DE COMPUSI OXIDICI CU PROPRIETATI MAGNETOREZISTIVE (contract CNCIS 14002/2003-2005) 233.000.000lei

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