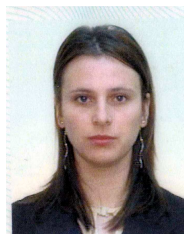


Curriculum vitae

Europass

Personal information



Name: Petronela Horlescu (Gospei)

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🌐 Webpage: https://www.researchgate.net/profile/Petronela_Gospei_Horlescu

📅 Birth date 13.12.1980 | 🇷🇴 Nationality : romanian

Professional experience

Period	October.2012 - onwards
Function	PhD student
PhD thesis title	New <i>f</i> and <i>d</i> block transition metal complexes with organic ligands
Activities and responsibilities	Research activities (experimental activities, use of laboratory techniques, results interpretation etc). Investigations through FT-IR, Fluorescence (steady state,, PLQY), Thermal Analysis, XRD. Preparation and investigation of photoluminescent compounds and related materials. Exploitation of results through participation in the development of scientific papers, participation in national and international conferences etc.
Name of the employer	Faculty of Chemical Engineering and Environmental Protection, Gheorghe Asachi Technical University of Iasi, Romania
Sector of the activity	Research

Education

Period	2003 - 2004
Qualification/diploma	Master of Science
Principal subjects / occupational skills covered	Clean engineering processes Integrated Pollution Prevention and Control Integrated Environmental Management Advanced oxidation processes of pollutants Catalytic processes for effluents remediation
Name of institution	Faculty of Chemical Engineering and Environmental Protection, Gheorghe Asachi Technical University of Iasi, Romania

Period	1999 - 2003
Qualification/diploma	Chemist
Disciplines approach/competence	Theoretical Chemistry
Name of institution	Faculty of Chemistry, "Alexandru Ioan Cuza" University, Iasi, Romania

Aptitudes and professional competence

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B1	B1	B1
Russian	C1	B1	A2	A2	A2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user, Common European Reference for Languages

Competence and organizing aptitudes Able to plan, organize, and handle a heavy workload. Work well independently or in a team. Self-educated regarding the research, publishing activity, national and international collaborations.

Computer skills MS Office, ChemBioOffice, Origin, Panalytical Expert High Score Plus, X-Powder, Infometrix Bio-Rad, Horiba Fluorescence etc.

Job-related skills Investigation techniques including FT-IR, P-XRD, Thermal Analysis, Fluorescence spectroscopy, UV-VIS spectroscopy etc. Experienced in laboratory related equipments and experimental activities.

Recommendations could be provided by:

- Prof.dr. eng. Daniel M. Sutiman, Chem. Engineering Dept., Faculty of Chemical Engineering and Environmental Protection, Gheorghe Asachi Technical University of Iasi, Romania. Email: sutiman@tuiasi.ro
- Prof.dr. eng. Marcel Popa, Natural and Synthetic Polymers Dept., Faculty of Chemical Engineering and Environmental Protection, Gheorghe Asachi Technical University of Iasi, Romania. Email: marpopa@ch.tuiasi.ro
- Prof.dr. eng. Theodor Malutan, Natural and Synthetic Polymers Dept., Faculty of Chemical Engineering and Environmental Protection, Gheorghe Asachi Technical University of Iasi, Romania. Email: thmalu@ch.tuiasi.ro

Scientific activity

Published/accepted ISI papers

1. Photoluminescent Red, Green and Blue Monoliths of New Eu(III), Tb(III) and Y(III) Complexes Embedded in Silica Matrix, *Electronic Materials Letters*, Vol. 10, No. 4 (2014), pp. 827-835, DOI: 10.1007/s13391-014-3240-5
2. Photoluminescent properties of novel Y(III), Sm(III), Eu(III), Gd(III) and Tb(III) complexes with 2-(1H-1,2,4-Triazol-3-yl)pyridine, *Inorganica Chimica Acta* 429 (2015) 160–167.
3. New complexes of 2-(1h-1, 2, 4-triazol-3-yl) pyridine with Co(II), Cd(II), rh(III), ions: synthesis, structure, properties and potential applications. *Environmental Engineering and Management Journal* 14(2), (2015).
4. Synthesis, structure and luminescent properties of new Ce(III), Dy(III), Ho(III) and Tm(III) complexes with 2-(1h-1,2,4-Triazol-3-yl)-Pyridine, *Asian Journal of Chemistry*, accepted Jun.2015 (in press).

Patents

1. C. S. Stan, M. Popa, Petronela Gospei (Horlescu), Materiale compozite fotoluminescente pe bază de polimeri hidrosolubili si complecși ai gadoliniului cu 2-(1h-1,2,4-Triazol-3-Il)piridina, A/00421/19.06.2015.

Communicated papers

1. C. S. Stan, M. Popa, Petronela Gospei (Horlescu), Photoluminescent polymer embedded Eu³⁺, Tb³⁺ and Y³⁺ complexes with R, G, B emission, The 5th International Symposium on Organic and Inorganic Electronic Materials and Related Technologies- EM-NANO, Niigata, Japan, June 16 - 19, 2015.
2. Luminescent properties of Ce(III) and Dy(III) complexes : structural and spectral characterization of lanthanide complexes with 2-(1h-1,2,4-triazol-3-yl)-pyridine, 10th International Conference on Physics of Advanced Materials (ICPAM-10), Iasi, Romania 22 - 28 September 2014.
3. New complexes of 5-(3-pyridyl)-4h-1,2,4-triazole-3-thiol with Co(II), Ni(II), Mn(II), Cu(II) ions: synthesis, structure and magnetic properties, "Alexandru Ioan Cuza" University Days, Iasi, Romania, October 31 – November 1st, 2014.
4. New complexes of 2-(1H-1,2,4-triazol-3-yl) pyridine with Co(II), Rh(III) and Cd(II) ions: Synthesis, structure and magnetic properties, 2nd International Conference on Chemical Engineering, Innovative Materials and Processes, Iasi, Romania, November 5 - 8, 2014.
5. Structural, spectral and magnetic properties of Co(II), Rh(III) and Cd(II) complexes with 2 - (1h-1,2,4-triazol-3-yl) pyridine, "Alexandru Ioan Cuza" University Days, Iasi, Romania, October 31 – November 02.2013.

2015

Petronela Gospei Horlescu