

PERSONAL  
INFORMATION**Monica Mihaela Popa**

✉ pmonica@icf.ro

Date of birth 14/09/1969 | Nationality Romanian

## WORK EXPERIENCE

From 1998 to present 2022	Senior Scientific Researcher CS III from 1998; CSII from 2009; CSI from 2014 Institute of Physical Chemistry "Ilie Murgulescu"-Bucharest, Romanian Academy
From 2003 to 2007	Ramón y Cajal Scientific Researcher / from 2004: Associate Profesor Polytechnic University of Barcelona-Spain
From 1999 to 2004	Fellow of the Japan Society for the Promotion of Science /EU Potdoctoral Scientific Fellow Tokyo Institute of Technology-Japan
From 1998 to 1999	Potdoctoral Scientific Researcher National Institute for Carbon-Spain
1999	Royal Society Fellow (EU) Queen Mary College, University of London-UK

EDUCATION AND  
TRAINING

From 1991 to 1995	Ph D: in Chemistry, specialty Physical Chemistry Institute of Physical Chemistry "Ilie Murgulescu"
From 1988 to 1993	Chemical Engineer University Politecnica Bucharest, Romania

## PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user					
Spanish	C2	C2	C2	C2	C2
French	C2	C2	C1	C1	C2
Japanese	A2	A2	A2	A2	A2

ADDITIONAL  
INFORMATION

- Publications** ▪ More than **100 scientific publications** in prestigious Web of Science publications:  
:// [www.researcherid.com](http://www.researcherid.com): C-4370-2011
- Presentations**  
**Projects** ▪ More than 20 scientific oral presentations in International Conferences  
▪ Member in more than 30 scientific research projects, in Spain, UK, Japan and Romania
- Conferences**  
**Seminars** ▪ Director of 4 international research projects  
**Patents** ▪ More than 150 presentatoinis in national and international conferences  
▪ Invited conferences in Spain, Japan, South Korea.
- Honours and awards** ▪ 6 accepted and published patents
- Fellow of the Japan Society for the Promotion of Science  
▪ Royal Society Postdoctoral Fellow of the European Union (UK: 1999)  
▪ Gheorghe Spacu award from the Romanian Academy for researches in “Oxide nanoparticles by new synthesis routes”.
- Scientific skills:** Synthesis of ceramic powders with high homeogeneity by soft solution chemistry (sol- gel, coprecipitation, Pechini method, hydrothermal, etc)  
Nanopowders and policomponent oxide depositions with controlled properties  
Evaluation, modelling, characterization and monitoring of the stability of some bioalloys for implants and of some multilayered and multifunctional thin films  
Design, technology and structural characterization at micro and nano levels of functional surfaces  
Investigation and modification of biomedical alloys surface  
**Experimental techniques:** Characterization Measurements of SEM, TEM, XRD, Raman and IR, EDX spectroscopies, DTA/TG, BET, UV-Vis spectroscopy; mechanical testing methods -tension, compression, indentation single edge notch and V-notch beam” (SENB, SEVNB)
- Citations** ▪ ~more than **2000 citations** in Web of Science Journals database; with a **Hirsch index h=25**
- Referee** Referee at scientific journals: J. Therm. Anal. Calorimetry (JTAC), Surface Coatings and Technology (SURFCOAT), J. Sol-Gel Sci.Technol. (JSST), Mat. Sci. Eng. B - Solid (MSB), Applied Surface Science (APSUSC), J. Chem. Eng. Mater. Sci. (JCEMS); J. Solid State Chemistry (JSSC); J Alloy Compd. (JALCOM), Ceramics International (CERI), Mater. Chem. Phys. (MATCHEMPHYS), J. Mater. Sci. (JMISC), European Journal of Chemistry (J Eur Chem), Materials Letters (MLBLUE), Powder Technology (POWTEC), Processing and Application of Ceramics (PAC). J. Power Sources, Mat. Lett.; J. Nanomat.; Surf. Coat. Technol.;