

**NUME: GABRIELA CARJA**

**POZITIE ACADEMICA ACTUALA:** Profesor universitar, Departamentul de Inginerie Chimica, Facultatea de Inginerie Chimica si Protectia Mediului « Cristofor Simionescu », Universitatea « Gheorghe Asachi » din Iasi.

**AFILIERE:** Universitatea Tehnica « Gheorghe Asachi din Iasi », Departamentul de Inginerie Chimica, Bulevardul D. Mangeron 67, Iasi, Romania. **E-mail:** gcarja@tuiasi.ro.

**STUDII**

1982-1989 Licenta: Facultatea de Chimie Industriala, Institutul Politehnic Iasi.

1990-1996 Doctorat: Universitatea Tehnica "Gheorghe Asachi" din Iasi.

1997-1998 Postdoctoral: Instituto Superior Tecnico, Lisbon, Portugalia.

1999-2000 Postdoctoral " Course for the Advanced Research in Chemistry and Chemical Engineering", Tokyo Institute of Technology, Japonia.

**EXPERIENTA PROFESIONALA & TITLURI ACADEMICE**

1990-1996 Asistent, Universitatea Tehnica "Gheorghe Asachi" din Iasi, Catedra de Chimie-Fizica.

1997-2003 Lector, Universitatea Tehnica "Gheorghe Asachi" din Iasi, Catedra de Chimie Fizica.

2004-2007 Conferentiar, Universitatea Tehnica "Gheorghe Asachi" din Iasi, Catedra de Chimie Fizica.

2008-prezent Profesor de Chimie-Fizica, Universitatea Tehnica "Gheorghe Asachi" din Iasi, Departamentul de Inginerie chimica.

2008 - **Conducator de Doctorat in Domeniul Inginerie Chimica**, confirmat prin Ordinul Ministrului Educației, Cercetării și Tineretului MEdCT nr. 27403/28.02.2008, cu 9 teze de doctorat confirmate, 7 doctoranzi in stagiul și 2 teze in co-tutela cu: Universitatea din **Lille**, Franta si Universitatea din **Antwerp**, Belgia.

1997 Cercetator invitat la Universitatea **Oxford**, Anglia.

1999-2000 postdoctoral UNESCO Research Fellow, **Tokyo** Institute of Technology, Japonia si absolventa a cursului "Course for the Advanced Research in Chemistry and Chemical Engineering", Tokyo, Japonia.

Cercetator invitat **Tokyo** Institut of Technology, Japonia, Septembrie-Noiembrie 2005, Octombrie 2006, Iunie-August 2007, Septembrie 2009.

Profesor invitat angajat de Universitatea **Blaise Pascal**, Franta , Iunie, 2013.

Profesor invitat angajat de **Tokyo** Institute of Technology, Japonia, August-Octombrie 2012.

Profesor invitat la Universitatea **Antwerpen**, Belgia, Iunie 2015.

Cercetator invitat la Instituto Mexicano del Petroleo, , **Mexic** Mai-Iunie 2016.

Cercetator invitat la **Lille** University France, Noiembrie 2020.

**PREMII (selectiv)**

**Premiul Academiei Romane** „Gheorghe Spacu" 2009, pentru grupul de lucrari cu titlul: „Aplicatii multifunctionale ale matricilor anorganice mesoporoase”

Premiul I la Secțiunea Cercetătorul Anului, Gala Premiilor in Educație, București, 2009.

**Centennial Memorial Award of Tokyo Institute of Technology**, Japan, 2005

**Medalia Tokyo Institute of Technology, Japan**, pentru activitatea de cercetare desfasurata la universitatea japoneza.

Diploma **European Materials Research Society** 2014 pentru organizarea Symposium K E-MRS Fall Meeting: Inorganic nanoarchitectonics: from design and fabrication to sustainable solutions

together with Professor Hermelegildo Garcia (University of Valencia, Spain) and dr. Vanessa Prevot (University Blaise Pascal, France).

#### 10 PUBLICATII SELECTATE

1. Darie M., Seftel EM., Mertens M., Ciocarlan RG., Cool P., **Carja G\***. (2019) APPLIED CLAY SCIENCE, 182, 105250, (Elsevier Press, I. F. 3.89), Harvesting solar light on a tandem of Pt or Pt-Ag nanoparticles on layered double hydroxides photocatalysts for p-nitrophenol degradation in water.
2. **Carja G\***, Grosu E., Mureseanu M., Lutic D. (2017) CATALYSIS SCIENCE and TECHNOLOGY, 7 (22), 5402-5412, (Royal Society of Chemistry Press, I.F. 5.726), A family of solar light responsive photocatalysts obtained using  $Zn^{2+}Me^{3+}$  (Me= Al/Ga) LDHs doped with  $Ga_2O_3$  and  $In_2O_3$  and their derived mixed oxides: a case study of phenol/4-nitrophenol decomposition.
3. **Carja G\***, Gilea D., Cool P., Seftel E.M. (2018) CHEMCATCHEM, 10 (7), 1598-1606, (Wiley Press, I.F. 4.803), In-situ synthesis of  $Bi_2O_3$  nanoparticles on ZnMeLDHs (Me:Al/Cr) frameworks for the photocatalytic  $O_2$  evolutions from water under solar-light activation.
4. Mikami G., Grosu E.F., Kawamura S. Yoshida Y., **Carja G\***, Izumi Y. (2016) APPLIED CATALYSIS B ENVIRONMENTAL, 199, 260-271, (Elsevier Press, I. F. 14.229), Harnessing self-supported Au nanoparticles on layered double hydroxides comprising Zn and Al for enhanced phenols decomposition under solar light.
5. **Carja G\***, Grosu E. F., Petrarean C., Nechita N. (2015) NANORESEARCH; 8 (11) pp. 3512-3523 (Springer Press, I.F. 8.893), Self-assemblies of plasmonic gold/layered double hydroxides with highly efficient antiviral effect against the hepatitis B virus.
6. Seftel E.M., Puscasu M.C., Mertens M; Cool P.; **Carja, G\***. (2015) APPLIED CATALYSIS B-ENVIRONMENTAL, 164, pp 251-260, (Elsevier Press, I.F. 14.229), Fabrication of  $CeO_2$ /LDH self-assemblies with enhanced photocatalytic performance: A case study on ZnSn-LDH matrix.
7. Kawamura S., Puscasu MC., Yoshida Y., Izumi Y., **Carja, G\***. (2015) APPLIED CATALYSIS A, 504, 238-247, (Elsevier Press, I. F. 4.67), Tailoring assemblies of plasmonic silver/gold and zinc-gallium layered double hydroxides for photocatalytic conversion of carbon dioxide using UV-visible light.
8. **Carja G.**, Dartu L., Okada K., Fortunato E., (2013) CHEMICAL ENGINEERING JOURNAL, 222 pp. 60-66 (ELSEVIER PRESS, I.F. 8.355), Nanoparticles of copper oxide on layered double hydroxides and the derived solid solutions as wide spectrum active nano-photocatalysts.
9. **Carja, G.**, Birsanu, M., Okada, K., Garcia, H., (2013) JOURNAL OF MATERIALS CHEMISTRY A, 1, (32) pp: 9092-9098, (Royal Society Press, I.F. 10.737), Composite plasmonic gold/layered double hydroxides and derived mixed oxides as novel photocatalysts for hydrogen generation under solar irradiation.
10. **Carja G.**, Nakajima, A., Dranca, S., Dranca C., Okada K.  $TiO_2$ /ZnLDH as a Self-Assembled Nanocomposite with Photoresponsive Properties JOURNAL OF PHYSICAL CHEMISTRY C (American Chemical Society Press) 2010 vol. 114 Issue: 35 pp: 14722-14728.

**Indice Hirsch 27** (Google Scholar), **25** (Web of Science).

#### ALTE RESPONSABILITATI ACADEMICE (selectiv)

2010-2014. DC Raportor al Comisiei Europene COST domeniul: Fizica, materiale si nanostiinte.  
Organizarea de conferinte Internationale: EUROCLAY 2019, Paris, Franta, Nano 2020 Scientific Federation, Noiembrie 2020, Frankfurt, Germany.

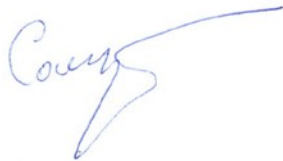
Membra a CNCSIS 2008-2011, CNCS 2011-2013, 2016 Comisia Stiinta Materialelor, Membra CNATDCU, vicepresedinta Comisie Stiinta Materialelor, 2010-2012.

Expert evaluator a programelor Europene FP7 si Horizon 2020.

Imi exprim acordul pentru postarea CV-ului pe pagina web a Facultatii de Chimie a Universitatii din Bucuresti.

27.07.2020

Profesor. Dr. ing. Gabriela Carja

A handwritten signature in blue ink, appearing to read 'Carja', with a long horizontal stroke extending to the right.