

## CV: Profesor Gabriela Carja

Nume: GABRIELA CARJA

Studii si pozitii academice ocupate in cadrul Facultatii de Inginerie Chimica si Protectie a Mediului,

Universitatea Tehnica Ghe Asachi din Iasi:

1982-1987 Facultatea de Chimie Industrială,  
Institutul Politehnic din Iasi - sectia TSO.

doctor inginer din 1996; asistent 1990-1996, sef lucrari 1997-2003, conferentiar 2004-2007, profesor 2007-

1991-1996 studii doctorale la Universitatea Tehnica "Gheorghe Asachi" din Iasi.

1997-1998 studii postdoctorale: Instituto Superior Tecnico, Lisboa, Portugal.

1999-2000 studii postdoctorale: UNESCO fellow, Tokyo Institute of Technology, Japan.

**EXPERIENTA PROFESIONALA PRIN SPECIALIZARI LA NIVEL INTERNATIONAL (SELECTIV):**

Invited professor, Tokyo Institute of Technology, Tokyo, Japan, June 2009 September – November 2012.

Visiting scientist, Tokyo Institute of Technology, Tokyo, Japan, September-November, 2005, October 2006, June-July 2007.

Visiting scientist, ENSCM, Ecole Nationale Supérieure de Chimie de Montpellier, Lab. Mat. Catalytiques et Catalyse, Montpellier, France, under a grant of French Environmental Agency- EGIDE, Montpellier, France, 2003-2004.

- Oxford University-visiting fellow for East-European Countries, September, Oxford, London, 1997.

**PREMII, DISTINCTII (SELECTIV):**

Premiul Academiei Romane "Gheorghe Spacu" pentru lucrarea: "Aplicatii multifunctionale ale matricilor anorganice poroase", 2009.

Premiul I, Gala Premiilor in Educatie a Fundatiei Dinu Patriciu, categoria cercetatorul anului, 2009.

Silver Medal EUREKA Brussels, 2010.

Medalia Tokyo Institute of Technology 2001.

**RESPONSABILITATI ACADEMICE COMPLEMENTARE (SELECTIV):**

Raportor DC al Romaniei - „European Cooperation in Science and Technology (COST)” pentru perioada 2010-2014- domeniul: **Fizica, materiale si nanostiinte.**

-Expert Evaluator pentru: FP6 si FP7 grants (programul People), CNCSIS, ARACIS.

Membru al Consiliului Cercetarii Stiintifice din Invatamantul Superior (CNCSIS) 2008-2012.

Conducator de doctorat in domeniul Inginerie Chimica din 2008- 10 teze de doctorat finalizate.

Coordonatorul la nivel national al panelului Stiinta si Ingineria Materialelor - platforma de evaluare SISEC.

Membru in comisii internationale de doctorat: India, Africa de Sud, Franta.

Referent stiintific la jurnale internationale din domeniile de interes (e.g. Applied Catalysis B, Journal of Catalysis, Chemistry of Materials, Chemical Communication etc).

**PUBLICATII IN JURNALE COTATE ISI:**

HIRSCH FACTOR h-index - 26 (conform Google scholar)

94 lucrari publicate in jurnale cotate ISI- granturi de cercetare, 15

Norma majoritara la Facultatea de Inginerie Chimica si Protectia Mediului.

**5 LUCRARI REPREZENTATIVE:**

1. **Carja G.**, Grosu, E. F., Petrarean C., Nechita N.

Self-assemblies of plasmonic gold/layered double hydroxides with highly efficient antiviral effect against the hepatitis B virus

NANORESEARCH; Impact Factor= 8.515 (Springer Press), 2015, 8 (11) pp. 3512-3523.

2. Seftel E.M., Puscasu M.C., Mertens M; Cool P.; **Carja, G.** (corresponding author)

Fabrication of CeO<sub>2</sub>/LDHs self-assemblies with enhanced photocatalytic performance: A case study on ZnSn-LDH matrix

APPLIED CATALYSIS B-ENVIRONMENTAL; Impact Factor= 14.229 (Elsevier Press) 2015, vol 164, pp 251-260.

3. **Carja, G.**, Dartu, L., Okada, K., Fortunato, E.,

Nanoparticles of copper oxide on layered double hydroxides and the derived solid solutions as wide spectrum active nano-photocatalysts

CHEMICAL ENGINEERING JOURNAL; Impact Factor= 8.355 (Elsevier Press) 2013, vol. 222 pp. 60-66.

4. **Carja, G.**, Birsanu, M., Okada, K., Garcia, H.,

Composite plasmonic gold/layered double hydroxides and derived mixed oxides as novel photocatalysts for hydrogen generation under solar irradiation

JOURNAL OF MATERIALS CHEMISTRY A, Impact Factor= 10.733 (Royal Society Press) 2013, vol.1, no 32, pp: 9092-9098.

5. Mikami Gaku, Grosu Florentina, Kawamura Shogo, Yoshida Yusuke, **Carja**

**Gabriela**, Izumi Yasuo, Harnessing self-supported Au nanoparticles on layered double hydroxides comprising Zn and Al for enhanced phenol decomposition under solar light.

APPLIED CATALYSIS B-ENVIRONMENTAL, 199, 260-271, (2016) Impact Factor= 14.229 (Elsevier Press)

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Profesor dr. ing. Gabriela Carja

