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ROMANIA

INVITED BY

LPPI LABORATORY

LABORATORY OF PHYSICO-CHEMISTRY
OF POLYMERS AND INTERFACES

Currently, Aurica Farcas is a Senior Researcher PhD-Eng, “P.Poni” Institute of Macromolecular Chemistry from Iasi-Romania.

CURRENT RESEARCH INTERESTS

- ▶ Supramolecular chemistry (molecular recognition, conjugated polyrotaxane synthesis)
- ▶ Photophysical of conjugated polyrotaxanes for optoelectronic applications (PLEDs and photovoltaics)

EDUCATION

- ▶ PhD Thesis: Polyrotaxanes with Conjugated Polymers.
- ▶ Postdoctoral Research Fellows:
 - Synthetic approaches to new calixarene derivatives, Heinrich-Heine University Düsseldorf, Germany;
 - Supramolecular self-assembly: chain extension, star and block polymers via pseudorotaxane formation from well-defined end-functionalized polymers, Virginia Polytechnic Institute & State University Blacksburg, USA;
 - Conjugated polymers for electrochemical cells, Fraunhofer Institute for Angewandte Polymerforschung, Golm, Germany.

AWARDS & RECOGNITION

- ▶ C. D. Nenitzescu Prize of the Romanian Academy (2010).
- ▶ Invited professor or researcher, Université d'Evry Val d'Essonne from Evry, France (since 2006).
- ▶ Visiting Scientist in Organic Chemistry, Jacobs University Bremen, Germany (since 2008).
- ▶ Attendance Certificate in a Technology Transfer Training, from Wirtschaftsförderung und Technologietransfer Schleswig Holstein GmbH (WTSH) Kiel, Germany (2005).
- ▶ German Academic Exchange Service (DAAD) Research Fellowship in Electroconducting Polymers, Fraunhofer Institute for Angewandte Polymerforschung Golm, German (2004).
- ▶ Certificate of Achievement in recognition of the successful work from Fraunhofer Institute for Angewandte Polymerforschung Golm, Germany (2001).

PUBLICATIONS WITH LPPI GROUP

- ▶ A. Farcas, S. Janietz, V. Harabagiu, P. Guegan, P.-H. Aubert. Synthesis and electro-optical properties of polyfluorene modified with randomly distributed electron-donor and rotaxane electron-acceptor structural units in the main chain, *J. Polym. Sci. Part A: Polym. Chem.* 51, 1672–1683, 2013.
- ▶ S. Taleb-Dehkordi, G. Tregnago, P.-H. Aubert, S. Cantin-Riviere, F. Goubard, V. Harabagiu, F. Cacialli, A. Farcas. Effect of permodified β -cyclodextrin on the photophysical of poly[2,7-(9,9-dioctylfluorene)-alt-(5,5'-bithiophene)] main-chain polyrotaxanes, which will be shortly submitted to *Langmuir*.