

**Dr. Alexandru ROTARU, Senior Researcher**

**Scientific Researcher (CSII): 2012** – present: Centre of Advanced Research in Bionanoconjugates and Biopolymers, group leader.

**Research mobilities:** L'Institut Européen des Membranes, Montpellier, France: **2014, 2013**.

**Education: PhD: 2000 – 2005:** “Al. I. Cuza” University of Iasi, Romania; **MS: 2000:** Moldova State University, Chisinau, Moldova; **BS: 1999:** Moldova State University, Chisinau, Moldova.

**Post-doctoral: 2008 – 2011:** Centre for DNA Nanotechnology (CDNA), Aarhus University, Aarhus, Denmark; **2006 – 2008:** “Ruprecht-Karls University” of Heidelberg, Germany.

**Project leader/manager:** PN-II-RU-TE-2014-4-1444 ”Prepararea nanostructurilor functionale pe baza de ADN si nanoparticule de aur pentru terapie genica tintita”,

**Project team member: 2018-2022;** SupraChem Lab – ERA CHAIR initiative H2020-WIDESPREAD-2014-2015, **2015 – 2020;** P\_37\_707.

**Expertise fields:** Organic synthesis, supramolecular chemistry, nucleic acids chemistry, DNA nanostructures, metal nanoparticles and nanoparticles conjugates, surface analysis of nanostructures and nanoparticles.

**Scientific achievements:** co-author of 34 articles in international journals; 1 book chapter, h-index (web of science): 14, ORCID: <https://orcid.org/0000-0002-1280-9515>