

Program	Program NUCLEU PN 09-13 02 01
Project title (ENG):	Risk assessment of some priority hazardous chemicals in the aquatic environment, as required by European regulation REACH - determination of acute and chronic toxic effects of aniline and aromatic nitroderivate compounds
Project title (RO):	Evaluarea riscului generat de unele substante chimice prioritare periculoase asupra mediului acvatic, conform cerintelor Regulamentului European REACH – determinarea efectelor toxice acute si cronice ale unor substante din clasa anilinelor si nitroderivatilor aromatici
Duration	2012-2015
Team Leader	Irina Lucaciu / Stefania Gheorghe
Summary (short description) ENG	The project addressed a topic of great interest both at national and European level and proposed researches to characterize aquatic toxicity risk of chemical priority hazardous substances (chloroaniline, 1-chloro-4-nitrobenzene, 4-chloro-2-nitrotoluene bentazon, azinphos methyl) - subjected to REACH Regulation – on aquatic environment and risk characterization, based on experimental data obtained in the laboratory, scientific data and the Annexes of REACH Regulation.
Summary (short description) RO	Proiectul abordeaza o tematica de mare actualitate si noutate atat la nivel national, cat si al Uniunii Europene si propune realizarea de experimente de toxicitate acvatica pentru caracterizarea riscului generat de substantele chimice prioritare periculoase (cloranilina, 1-clor-4-nitrobenzenului, 4-clor-2-nitrotoluenului, bentazon, azinfos metil) - care se supun Regulamentului REACH - asupra mediului acvatic si caracterizarea riscului generat de acestea, pe baza datelor experimentale obtinute in laborator, a datelor de literatura si a reglementarilor din Anexele Regulamentului REACH.
Dissemination of results	
Full-paper ISI	S. Gheorghe, I. Lucaciu, I. Paun, C. Stoica, E. Stanescu, <i>Environmental exposure and effects of some micropollutants found in Romanian surface waters</i> , Journal of Environmental Protection and Ecology, 15(3):878-889, 2014.
	S. Gheorghe, I. Lucaciu, E. Stanescu, C. Stoica, <i>Romanian aquatic toxicity testing strategy under REACH</i> , Journal of Environmental Protection and Ecology, 14(2):601-611, 2013.
Conferences (platform, poster, abstract / full-paper	Gheorghe Stefania, Lucaciu Irina, Paun Iuliana, Catalina Stoica, Stanescu Elena, Alina Catrangu, Aquatic ecological risk assessment of chemical pollutants, The Environment and Industry (SIMI) 29-30.10. 2013.
	I. Lucaciu, M. Niță-Lazăr, E. Stănescu, I.Păun, S. Gheorghe, C.Stoica, A.R. Banciu, Strategii de evaluare a biodiversității sistemelor acvatice aplicate în Laboratorul Bioteste-Analize Biologice, Inventika - Salonul Cercetării Romanesti, 14-17.10.2015, Bucuresti.
	St. Gheorghe, I. Lucaciu, E.Stanescu, C. Stoica, Romanian aquatic toxicity testing strategy under REACH, Partea 1, International BENA Conference, Sustainable Landscape Planning And Safe Environment, 21 - 24.06.2012, Istanbul, Turcia, PREZENTARE ORALA.
	Irina Lucaciu, Stefania Gheorghe, Elena Stanescu, Catalina Stoica, Romanian aquatic toxicity testing strategy under REACH, Partea 2, 3 rd SETAC CEE Annual Meeting, 17-19 September 2012, Cracovia, Polonia, publicată în Proceedings “Ecotoxicology revisited”, POSTER