

Programme / Project	NUCLEU Programme; Project code: PN 09 - 13 01 14
Project title (ENG):	Identification and determination of some genotoxic and carcinogenic pollutants from nitrosamine group in treated water
Project title (RO):	Identificarea si determinarea unor poluanti organici genotoxici si cancerigeni din clasa nitrozaminelor, in apa supusa potabilizarii
Duration	2014 - 2015
Team Leader	PhD Chem. Toma Galaon
Summary (short description) ENG	<ul style="list-style-type: none"> - Development, validation and application of specific, sensitive, and accurate LC-MS and GC-MS methods to determine nitrosamines at ultra-trace levels in drinking water (ng/L); - Database regarding treated water and drinking water contamination with nitrosamines in several cities from Romania: Bucharest, Timisoara, Braila, Ramnicu-Valcea, Brasov, Bragadiru (raw water sources, finished drinking water, drinking water from municipal distribution system, pumping stations, consumer's tap);
Summary (short description) RO	<ul style="list-style-type: none"> - Dezvoltarea, validarea si aplicarea a unor metode LC-MS si GC-MS specifice, sensibile si exacte care sa permita determinarea unor nitrosamine la nivel de concentratii foarte scazute din apa potabila (ng/L); - Baza de date privind contaminarea cu nitrozamine a apei tratate si a apei potabile din diferite orase ale Romaniei: Bucuresti, Timisoara, Braila, Ramnicu-Valcea, Brasov, Bragadiru (surse de apa bruta, apa potabila tratata, apa potabila din sistemul de distributie, statii de pompare, consumator final);
Dissemination of results	
Full-paper ISI	<i>T. Galaon, L. Cruceru, J. Petre, L.F. Pascu, V.I. Iancu, M. Niculescu, New LC-MS/MS method for the determination of eight nitrosamines in drinking water, J. Environ. Prot. Ecol., 17(1), 74-82 (2016)</i>
Full-paper (conference/BDI)	<i>T. Galaon, L. Constantin, J. Petre, L. Pascu, C.B. Lehr, Nitrosamines determination in drinking water using a new GC-MS/MS method coupled with automated solid phase extraction, 16th International Multidisciplinary Scientific GeoConference SGEM 2016, SGEM2016 Conference Proceedings, ISBN 978-619-7105-65-0 / ISSN 1314-2704, June 28 - July 6, 2016, Book 5, Vol. 1, 471-478.</i>