

<b>Program</b>	<b>Program NUCLEU PN 06 12 01 09</b>
<b>Project title (ENG):</b>	<b>Research on the determination of priority substances type organophosphorus insecticides in water (mevinphos, triazophos, methamidophos, phoxim) according to the requirements of environmental legislation in force.</b>
<b>Project title (RO):</b>	<b>Cercetări privind determinarea unor substanțe prioritare periculoase de tip insecticide organofosforice din ape (Mevinfos, Triazofos, Metamidofos, Foxim), conform cerințelor legislației de mediu în vigoare.</b>
Duration	2006-2008
Team Leader	Jana Petre
Summary (short description) RO	Metode dezvoltate și propuse spre utilizare în controlul nivelului de poluare a apelor cu Mevinfos, Triazofos, Metamidofos și Foxim caracterizate prin performanțe analitice ridicate care asigură atingerea concentrațiilor limitate de determinare a acestor compuși la nivelul valorilor de referință impuse de legislația în vigoare.
Summary (short description) ENG	Methods developed and proposed for use in controlling the pollution of water with mevinphos, triazophos, methamidophos and phoxim characterized by high analytical performance that ensure the limits for determining concentrations of these compounds to the reference values imposed by legislation.
Dissemination of results	
PhD Thesis – Title RO, ENG	Corelații între retenția LC și structura unor poluanți organici din apă și sol, Jana Petre, 2011  Correlation between LC retention and the structure of some organic pollutants from water and soil
Full-paper ISI	Petre, J., S. Ionescu, S., M. Hillebrand, M., David, V., Quantitative correlation between reversed-phase LC data and molecular parameters for some weakly related pesticides, <i>Journal of Liquid Chromatography &amp; Related Technologies</i> , 2010, 33, 1529-1541.
	Petre, J., Nașcu-Briciu, R.D., Iancu, V., David, V., Sârbu, C., The lipophilicity of some hazardous substances estimated by high performance liquid chromatography and computed by various methods, <i>Journal of Liquid Chromatography &amp; Related Technologies</i> , 2011, 34, 1-18.
	Casoni, D., Petre, J., David, V., Sarbu, C., Prediction of pesticides chromatographic lipophilicity from the computational molecular descriptors, <i>Journal of Separation Science</i> , 2011, 34, 247-254.
	Iancu, V.I., Petre, J., Cruceru, L., Determination of some organophosphorus insecticides and urea herbicides from water by HPLC. <i>Journal of Environmental Protection and Ecology</i> , 2011, 12(3), 833-840.
	Petre, J., Iancu, V., David, V., Thermodynamic study of the liquid chromatography retention process for some pesticides on C8 and C18 silica-based stationary phases, <i>Revue Roumaine de Chimie</i> , 2013, 58(4-5), 425-432.
Conferences (platform, poster, abstract / full-paper)	Mitriță, M., Cruceru, L., Petre, J., Iancu, V., Cruceru, I., (2006), Posibilități de determinare a substanțelor prioritare periculoase de tip Clorpirifos și Mevinfos din diferite categorii de apă, <i>XXIX-th Romanian Chemistry Conference, Călimănești-Căciulata, Vâlcea, 4-6 October</i> .