Program	**Program NUCLEU PN 09 13 02 26**
Project title (ENG):	**Research on the assessment of pollution of soil and vegetation with heavy metals in the vicinity of road traffic zones**
Project title (RO):	**Cercetări privind evaluarea poluării solului și vegetației cu metale grele din vecinătatea zonelor cu trafic rutier**
Duration	2015
Team Leader	Researcher Lidia Kim
Summary (short description) ENG	The project refers to level assessment pollution with heavy metals (Cd, As, Pb, Cu, Ni, Zn) of soil and vegetation in the vicinity of road traffic zones. In the project was developed and implemented a conceptual model for the assessment of soil pollution with heavy metals and vegetation near the road traffic zones. Were also developed methodologies for estimating induced pollution on soil and vegetation in areas with road traffic. From the results, it is found that in most of samples analyzed the metal concentrations fitting in normal values imposed by Romanian Legislation. By relating to control samples, metal concentrations in both soil and vegetation samples is higher than in control samples, inducing a significant pollution on soil and vegetation investigated.
Summary (short description) RO	Proiectul se refera la evaluarea nivelului de poluare cu metale grele (Cd, As, Pb, Cu, Ni, Zn) a solului si vegetatiei din vecinatatea zonelor cu trafic rutier. In cadrul proiectului a fost elaborat si implementat un model conceptual de evaluare a poluarii solului si vegetatiei cu metale grele din vecinatatea zonelor cu trafic rutier. De asemenea au fost dezvoltate metodologii de estimare a gradului de poluare indus asupra solului si vegetatiei din zone cu trafic rutier. Din rezultatele obtinute, se constata ca in majoritatea probelor analizate concentratia metalelor se incadreaza in valorile normale impuse de legislatia in vigoare. Prin raportare la probele martor, concentratia metalelor, atat in probele de sol cat si in probele de vegetatie este mai mare decat in probele martor, inducand o poluare semnificativa asupra solurilor si vegetatiei investigate.
Dissemination of results	
Conferences (platform, poster, abstract / full-paper	Anghelache, A-M., **Kim, L**., Cuciureanu, A., Batranescu, G., Pascu, L.F., Heavy metal contamination of roadside soil near sun highway in Romania, 13-14 October **2016**, *The International Symposium Environment and Industry*, Bucuresti