Program	**Program NUCLEU PN 19 04 04 01**
Project title (ENG):	**Research regarding new methods, techniques and procedures for waste assessment and management, acronym DESEVAL**
Project title (RO):	**Cercetari privind noi metode, tehnici si procedee de evaluare si gestionare a deseurilor, acronim DESEVAL**
Duration	2019-2022
Team Leader	Dr. Chem Scientific Researcher Lidia Kim
Summary (short description) ENG	The general objective of the project is to make waste management more efficient by applying new methods, techniques and procedures for evaluating and managing waste in the context of applying the waste hierarchy for sustainable management of resources and the environment. The general objective of the project will be achieved through three specific objectives (targets), as presented below: - complete the harmonized list of waste with new types of waste from the category of unspecified encountered in current practices; - developing a conceptual model of adequate management and characterization of large categories of liquid, solid and mixed waste streams in the Romanian economy in relation to the useful components of the waste, exemplified by relevant case studies; - making new secondary raw materials resulting from the processing of waste that can be used in various industrial activities replacing natural raw materials.
Summary (short description) RO	Obiectivul general al proiectului este de eficientizare a gestionarii deseurilor prin aplicarea de noi metode, tehnici si procedee de evaluare si gestionare a deseurilor in contextul aplicarii ierarhiei deseurilor pentru un management durabil al resurselor si mediului. Obiectivul general al proiectului va fi realizat prin intermediul a trei obiective specifice (tinte), dupa cum sunt prezentate mai jos: - completarea listei armonizate de deseuri cu noi tipuri de deseuri din categoria celor nespecificate intalnite in practica curenta; -realizarea unui model conceptual de gestionare adecvata si caracterizare a unor categorii mari de fluxuri de deseuri lichide, solide si mixte la nivelul economiei romanesti in legatura cu componentele utile din deseu cu exemplificare pe studii de caz relevante; -realizarea unor noi materii prime secundare rezultate din procesarea deseurilor ce vor putea fi folosite in diverse activitati industriale inlocuind materii prime naturale.
Dissemination of the results	
Full-paper ISI	Lidia Kim, Georgeta Madalina Arama. Liquid waste management methodology - a waste-to-energy approach. *Environmental Engineering and Management Journal*, in-press
Full-paper BDI	Gina Alina Catrina (Traistaru), Bogdan Stanescu, Lidia Kim, Agnes Serbanescu, Georgiana Cernica. *Optimised Method for Determination of Minor Elements from Romanian Biomass Ash*, 19th International Multidisciplinary Scientific GeoConference SGEM 2019, Conference Proceedings, Vol.19, Energy and Clean Technologies, Issue 4.1, Albena, Bulgaria, 28 june - 7 iuly 2019, ISSN: 1314-2704, pp.741-748, DOI: 10.5593/sgem2019/4.1. S18.094
Conference	Gina Alina Catrina (Traistaru), Lidia Kim, Luoana Florentina Pascu, Agnes Serbanescu, Georgiana Cernica, Ionut Cristea, Mona Barbu. *Optimized method for the determination of arsenic, cadmium and lead from the biomass wastes*, 22th International Symposium „The Enviroment and the Industry, SIMI 2019, 26-27 september, Bucharest. pp.78, DOI: http://doi.org/10.21698/simi.2019.ab32