

Program	Program NUCLEU PN 16 25 03 09
Project title (ENG):	Technology for the treatment by sonolysis of active sludge resulted from the treatment of municipal wastewater
Project title (RO):	Tehnologie de pretratere prin sonoliza a namolurilor active rezultate din tratarea apelor uzate orasenesti
Duration	2016-2017
Team Leader	Mihai STEFANESCU
Summary (short description) ENG	The performed researches in the first phases of the project in order to elaborate a technology for biological sludge treatment led to the achievement of a study about ultrasound application in the field and both to establishing of the optimal parameters of active sludge sonolysis and their influence on soluble organic load (COD-Cr) and on biogas generation.
Summary (short description) RO	Cercetarile efectuate in primele faze ale proiectului pentru realizarea unei tehnologii de tratare namol biologic au condus la realizarea unui studiu despre utilizarea ultrasunetelor in acest scop si la determinarea parametrilor optimi ai sonolizei namolului activ si la stabilirea influentei acestora asupra incarcarii organice solubile (CCOCr) si a capacitatii de obtinere biogaz.