

Program	Program NUCLEU PN 09-13.01.18
Project title (ENG):	Development of analytical methods for the determination and evaluation of air quality inside buildings
Project title (RO):	Metode si metodologii performante de determinare si evaluare a calitatii aerului din interiorul cladirilor
Duration	2015
Team Leader	Researcher/PhD Student Raluca Diodiu
Summary (short description) ENG	The project began with the presentation of data present in the literature regarding the determination of organic acids in indoor air. The project carried out development of advanced analytical methods to determine the concentration of organic acids present in indoor air. The second phase of the project consisted in the determination of acetic and formic acid concentrations in air samples taken from indoor spaces used as offices; also ambient air samples were taken for comparison the concentrations of the two acids in indoor and outdoor air. Also, a statistical analysis and an interpretation of data were obtained.
Summary (short description) RO	Proiectul a pornit de la prezentarea datelor prezente in literatura cu privire la determinarile de acizi organici in aerul de interior. In cadrul proiectului s-a realizat dezvoltarea unei metode analitice performante pe ion cromatograf care sa permita determinarea cu exactitate a concentratiei de acizi organici prezenti in aerul interior. Cea de-a doua faza a proiectului a cuprins determinarea concentratiilor de acid acetic si formic in probe de aer reale prelevate din aerul ambiental cat si din aerul din interiorul unor spatii utilizate ca birouri, analiza statistica si interpretarea datelor obtinute.
Dissemination of results	
Full-paper ISI	RALUCA DIODIU, TOMA GALAON, ELENA BUCUR, LUOANA FLORENTINA PASCU , Aldehydes, Acetone, Formic and Acetic Acids in Indoor Air of an Office Building, Revista de Chimie 67 nr. 12, pg. 2396-2399, (2016)
Conferences (platform, poster, abstract / full-paper	RALUCA DIODIU, ELENA BUCUR , Determination of formic and acetic acids in indoor air, International Symposium SIMI 2015 "The Environment and Industry" București, 29 – 30 Octombrie, 2015