

<b>Program</b>	<b>Program NUCLEU PN 16 25 01 15</b>
<b>Project title (ENG):</b>	<b>Detection and quantification of indoor air organic pollutants in residential and non-industrial buildings</b>
<b>Project title (RO):</b>	<b>Detectia si cuantificarea unor poluanti organici prezenti in aerul din interiorul cladirilor rezidentiale si non-industriale</b>
<b>Duration</b>	2016-2017
<b>Team Leader</b>	Researcher/PhD Student Raluca Diodiu
<b>Summary</b> (short description) ENG	<p>The first phase of the project included a documentary on organic compounds present in the air inside buildings and potential health effects.</p> <p>In the second stage was conducted a case study to assess the air quality inside residential buildings. It involved using a dedicated passive cartridges sampling for the organic pollutants of interest involving also a derivation and storage of pollutants. Also in this stage it was achieved an improvement of existing methods in the laboratory for these pollutants following new studies from the literature.</p> <p>The third stage of the project involves a case study to assess the air quality inside buildings non industrial by passive sampling to determine the air pollutants of interest at work.</p>
<b>Summary</b> (short description) RO	<p>Prima etapa a proiectului a cuprins o documentare privind prezenta compusilor organici in aerul din interiorul cladirilor si potentialele efecte asupra sanatatii.</p> <p>In a doua etapa s-a realizat un studiu de caz pentru evaluarea calitatii aerului in interiorul cladirilor rezidentiale. Acesta a presupus realizarea unei prelevari pasive pe cartuse dedicate poluantilor organici de interes care presupun o derivatizare si stocare a poluantilor. Tot in cadrul acestei etape s-a realizat o imbunatatire a metodelor existente in laborator pentru acesti poluanti urmarind noile studii din literatura de specialitate.</p> <p>Etapa a treia a acestui proiect presupune realizarea unui studiu de caz pentru evaluarea calitatii aerului in interiorul cladirilor nonindustriale prin prelevare pasiva in vederea determinarii poluantilor de interes din aerul de la locul de munca.</p>
<b>Dissemination of results</b>	
Full-paper ISI	<b>RALUCA DIODIU, TOMA GALAON, ELENA BUCUR, LUOANA FLORENTINA PASCU</b> , Aldehydes and Acetone in Indoor Air of 19 Houses from Bucharest (Romania), Revista de Chimie 67 nr. 8, pg. 1466-1468 (2016)
Conferences (platform, poster, abstract / full-paper)	<b>RALUCA DIODIU, TOMA GALAON, ELENA BUCUR, LUOANA FLORENTINA PASCU</b> , Aldehydes and Acetone in Indoor Air of 19 Houses from Bucharest (Romania), The 19th International Symposium "Environment and Industry București, 13 – 14 Octombrie, 2016