

<b>Program</b>	<b>Program NUCLEU PN 16 25 02 12</b>
<b>Project title (ENG):</b>	<b>Research on the effect of electromagnetic, phonic and vibrational waves on the environment and the health</b>
<b>Project title (RO):</b>	<b>Cercetari privind efectul undelor electromagnetice, fonice si al vibratiilor asupra mediului si sanatatii</b>
<b>Duration</b>	2016 – 2017
<b>Team Leader</b>	Researcher Eng. Bratu Mihai
<b>Summary</b> (short description) ENG	Through this project we aim to address a topical issue regarding the influence of mechanical vibrations, electromagnetic waves and the noise level on the environment and the health of the population. For this purpose it has been achieved: a) updating information in the field of noise pollution, electromagnetic waves and vibrations in the environment as well as their effect on health b) research on the assessment of the level of pollution by carrying out some case studies organized on the correlation between noise and vibration, the effect of electromagnetic waves on the environment and on the health of the population c) dissemination of project results by participating in scientific events and publishing articles in specialized journals.
<b>Summary</b> (short description) RO	Prin intermediul acestui proiect ne propunem abordarea unei tematici de actualitate privind influența vibrațiilor mecanice, a undelor electromagnetice precum și a nivelului de zgomot asupra mediului și sănătății populației. In acest scop s-a realizat a) actualizarea informațiilor din domeniul poluării fonice, a undelor electromagnetice și vibrațiilor din mediu precum și efectul acestora asupra sanatatii b) cercetări privind evaluarea nivelului de poluare prin derularea unor studii de caz organizate privin corelarea nivelului de zgomot cu cel al vibratiilor, efectul undelor electromagnetice asupra mediului si sanatatii populatiei c) diseminare rezultatelor proiectului prin participarea la manifestari stiintifice și publicarea de articole în reviste de specialitate.
<b>Dissemination of results</b>	
Conferences (platform, poster, abstract / full-paper)	<b>Mihai Bratu</b> , Ovidiu Vasile, Elena Bucur, Valeriu Danciulescu, Mihaela Petrescu, Correlations between noise level and mechanical vibrations emitted by vibroacoustic sources, 13-14 October <b>2016</b> , <i>International Symposium “The Environment and the Industry” SIMI 2016</i> , Bucharest, 28-29 October 2016.
Full-paper ISI	<b>Mihai Bratu</b> , Elena Bucur, Danciulescu Valeriu, Ileana Nicolescu, Mihaela Petrescu, Tanase Gheorghita, Study on electromagnetic waves and their effect on the environment and population health, sources, September <b>2017</b> , <i>International Symposium “The Environment and the Industry” SIMI 2017</i> , Proceedings Book, Bucharest, pp. 182-188