

Expertise & Experience

Position in project: PhD student

PRUTEANU MIRABELA AUGUSTINA, 32 years old, researcher in ecology

Current position held: Researcher of Testing Department, INMA Bucharest

Professional experience in project: In the 8 years of activity I worked in research teams within the national and international programs, to the technical documentation preparation: technical sheet, standard of product; testing and commissioning of technical equipment, developing and supporting training, dissemination of research results in national and international congresses and symposiums.

List of most important five achievements in the field project (publications in scientific journals):

1. **Pruteanu A.**, Muscalu A., David L., Paun A., Stefanov C., 2014 - *Research on conditioning of medicinal plants by sorting and separation*, Tractors and power machines, UDK 631.372, ISSN 0354-9496, December 2014, Novi Sad – Serbia.
2. **Pruteanu A.**, David L, Muscalu A., 2015 - *Experimental researches on the vegetal material quality, in order to optimize of some processing processes of the medicinal plants*, JESR Journal of Engineering Studies and Research - Issue Nr. 3 - Volume 21(2015), pag. 79-85
3. **Pruteanu A.**, M. Matache M., David L., Persu C., Duțu M., Vlăduț V., 2015 - *Characterization of medicinal plants sorting process by planar sieving through mechanical oscillations analysis*, Acoustics And Vibration Of Mechanical Structures” (AVMS) Applied Mechanics and Materials, Vol. 801, pp. 213-218, Trans Tech Publications, Switzerland, (doi:10.4028/www.scientific.net/AMM.801.213)
4. **Pruteanu A.**, David L., Muscalu A., Vladut V., 2016 – *.Researches on quality of thymus (thymus vulgaris) screening process in order to obtain bioactive extracts*, Symposium "Actual Tasks on Agricultural Engineering" Opatija

List of research grants, as team member:

1. Programme NUCLEU/ PN 16 - 24 02 03 „ *Technology of post-harvest treatment of horticultural products intended for consumption fresh, using ozone in aqueous solution*”.
2. Programme ADER 7.3.6. „*Mechanization technologies and technical equipment adequate to harvesting, transporting and effective conservation of fodder plants*”.
3. Programme NUCLEU/ PN 09 -15 03 05 „ *Innovative technology conditioning horticultural products for fresh consumption*”.
4. Programme ADER–16.2.1 „ *Research regarding the determination of thermal properties, physical, of coefficients of heat and mass transfer of horticultural products for optimisation freezing technologies applicable on cold chains*”.