

Expertise & Experience

Muscalu Adriana, 56 years old, mechanical engineer

Position within the project: Project Responsible

Current position held: A II-nd grade Technological Development Engineer (IDT 2), Testing Department - DI, INMA, No. 6 Ion Ionescu de la Brad Blvd., sector 1, Bucharest, Romania, 013813

Professional experience in the field of the project: experience in scientific research in the field of agricultural machinery and equipment over 30 years at INMA Bucharest. From 2004-- up to present, Technological Development Engineer 2: scientific research activities materialized in projects of execution and parts, experimental research and elaboration of technical documentation, position by specialist / research, responsible or manager for many R & D national projects and international projects; from 2009-present at „Testing Department” of INMA Bucharest: research and testing activities in the field of technologies and equipment for agriculture and food industry.

List of the most important achievements in the field of the project:

1. New techniques for conservation of vegetal agricultural products, “Sustainable agriculture. Solutions and Perspectives” INMATEH 2007 –II- Nr.20, Bucuresti martie 2007; ISSN 1583-1019; *2.; Researches regarding the drying process of medicinal and aromatic plants in microwave installations under continous flow*, 33rd International Conference Departaments of Transportation Handling, Building and Agricultural Machines 2007, 12-14 Septembrie 2007, Smolenice Slovacia, ISBN978-80-227-2709-9, pg.76-82; *3. Modern technical application for extending the domain of sericultural exploitation and of medicinal plants cultivation in Romania*, INMATEH, București, 2010, vol 32, Nr.3; *4. Technology of drying the medicinal plants designed to improving the useful vegetal matter quality*, Journal of EcoAgriTourism Sanogeneous, Brasov 2011, Vol 7, no. 2,pg. 54-58; *5. Technological line for primary processing of medicinal and aromatic plants*, Annals of the University of Craiova - Agriculture, Montanology, Cadastre Series) Vol. XLII 2012/2, pg. 377-381;

Books: *1. Drying tehnologies of vegetables and fruits* PublishingHouse, TERRA NOSTRA Iași 2012, ISBN 978-973-1888-98-9; *2. Drying technologies of medicinal and aromatics plants* PublishingHouse, TERRA NOSTRA Iași 2012, ISBN ISBN 978-973-1888-97-2;

List of research grants or testing technical services, as colaborator:

Programme AGRAL 1. Ecological technology for dehydration of fruits and vegetables in the microwave regime controlled; 2. Solar drying installation combined with microwave for medicinal and aromatic plants; *Programme CEEEX*: Research on the development of modern technical applications for cultivation of valuable species of medicinal and aromatic plants, including processing of primary and valorization; *Programme NUCLEU*: Extension of sericulture farms in Romania by creating a new innovative technologies and a technical equipment competitive (*Project Responsible*).