

Expertise & Experience

Position within the project: Researcher

Persu Ioan Catalin, 29 years old, phd. engineer

Current position held: Scientific researcher for Testing Tractors and Technical Equipment for Agriculture and Food Industry – DITRMA, Testing Department - DI, INMA Bucharest, No. 6 Ion Ionescu de la Brad Blvd., sector 1, Bucharest, Romania, 013813

Professional experience in the field of the project: From 2010 – present, scientific researcher in the „Testing Department” of INMA Bucharest: research and testing activities in the field of technologies and equipment for agriculture and food industry.

Phd. student, with thesis entitled: "*Study on optimization of operator protection structures for mobile self-propelled machinery*", Polytechnic University of Bucharest.

Representative projects developed

- command equipment for pneutronics equipment for sowing small seeds and very small in the alveoli Contract nr.: 15 N / 27.02.2009 / Act. ad. nr. 2/2015, paper command 643.

- command, monitoring and control device, for weighing and processing equipment, Contract nr.: 15 N / 27.02.2009, paper command 590.

- command equipment of an intelligent system for maintenance of crops corresponding to the concept of precision agriculture, Nr.și agreement date 15N / 27.02.2009 / Act.ad.nr.1 and 3/2015, Beneficiary MECSA, paper command 636,

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

Persu C., Matache M, Vlăduț V.,Biriș S., Cujbescu D., Paraschiv G.,Voicea I., Ivancu B, Ivan Gh. - *Checking the mechanical resistance of an operator protecti on structures* , PROCEEDINGS OF THE 42 INTERNATIONAL SYMPOSIUM ON AGRICULTURAL ENGINEERING "Actual Tasks on Agricultural Engineering", ISSN 1848-4425, 2015, Opatija – Croatia

Manea I. , Gîrnită I., Matache M. , Eng. Muscalu A., **Persu C.**, Voicea I. "*Research for modal analysis utilization as a tool for fatigue and structural change assessment of mechanical structures*" ,**International Symposium ISB-INMATEH 2013, vol 41,no.3, pag. 17-26.**

Chapters published in specialized books:

Vladut V., M. Matache, Voicea I., **Persu C.**, et al. *Assisted testing for biotechnical systems*, Publisher Terra Nostra Iasi 2012 ISBN 978-606-623-011-7.