Activitatea științifică și de cercetare
Lista proiectelor de cercetare:

1) Perfecting of mechanization technology of fertilizing in hill region, by realization of a machine for administrating chemical granulated fertilizer in assembly with 45 HP tractor on wheels, for small and middle lots from hill region, Research Program AGRAL No. 364/2004.


3) Development of a method and technical means for testing the characteristic of equipment for chemical treatments in wine-yards and orchards aiming evaluation and maintaining the technical parameters, at a high quality level, Research program CALIST, No. 5156/2004.

4) Researches regarding technology for realization of sintering machine parts with high resistance for agricultural and food industry equipment’s, by bringing in environmental protection measures, Research program CEEX, No. 74/2005.

5) Research and development of sustainable technologies for agro-chemical applications, with favorable impact on environment and on quality of the agricultural products, Research program CEEX, No. 67/2006.

6) Research and development of innovative techniques and application equipment for the maintenance of potato cultures, in a conservative system, Research program CEEX, No. 66/2006.

7) The ecological products development out of biodegradable materials, for packages and protection elements, CNMP No. 31/2007.

Lista lucrărilor stiintifice publicate:


2) „The influence of the lubrication on the durability of the high resistance sintered bushings of the cardan joints within the agricultural equipment”; Buletin of University for Agricol Science and Veterinary Medicine Cluj-Napoca, Volume 63-64/2006.


4) „The conduct in simulator and accelerated mode of the driven cogwheel in sinterized execution, part of the D-110 engine’s oil pump”; University for Agricol Science and Veterinary Medicine, Dr Ionescu de la Brad”, Iasi, Volume 50, nr. 2 /2007.

5) „Bioplastics – implications and opportunities for agriculture”; INMATEH 2007- Processing and Efficient Capitalization of Agricultural Products in order to Increase Quality of Life in Rural Environment, Bucharest, November, 2007.


9) „The role of water on structure formation to extrusion of corn starch based plastic foams” ; The international symposium “Prospects for the 3rd millennium agriculture”, 29 Septembrie – 1 October 2011.


11) "Considerations regarding the current state of coupling devices existing on the agricultural tractors.”; International Symposium of ISB-INMA TEH. Agricultural and Mechanical Engineering, Bucharest, Romania, 29-31 October 2015.


Gabriel Fodor,  
1 septembrie 2016