

Expertise & Experience

Position within the project: postdoctoral researcher

MATACHE MIHAI GABRIEL, 34 years old, Phd. engineer

Current position held: Head of the Testing Department, Technological development engineer grade III, INMA Bucharest, No. 6 Ion Ionescu de la Brad Blvd., sector 1, Bucharest, Romania, 013813

Professional experience in the field of the project: From 2007 – present, technological development engineer in the „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 (publications in scientific journals):

1. Danciu A., Vlăduț V., **Matache M.**, Mihai M., Lehl C., Mihailov N. - *Experimentation of manufacturing technology and equipments for pellets / agri-pellets*, INMATEH - Agricultural Engineering, vol. 31, no. 2 / 2010, pag. 24-31, Print ISSN: 2068 – 2239, Electronic ISSN: 2068 – 4215, București - România;
2. **Matache M.**, Vlăduț V., Danciu A., Voicea I., Pirnă I., Postelnicu E., Chirilă C. - *Vegetal biomass, a renewable source for obtaining of clean energy*, WSEAS International Conferences on Energy, Environment, Economics, Devices, Systems, Communications, Computers (IAASAT) - Computational Engineering in Systems Applications, vol. II, pag. 96÷100, ISBN: 978-1-61804-014-5, Iasi, Romania, July 1-3, 2011;
3. Voicea I., Vlăduț V., **Matache M.**, Danciu A., Voicu Gh. - *Influence of agricultural and forestry biomass physical characteristics on compacting/pelleting process*, Proceedings of the 42 International Symposium On Agricultural Engineering "Actual Tasks on Agricultural Engineering", pag. 387÷396, 2014, Opatija - Croația [ISI]; <http://atae.agr.hr/>

List of research grants or testing technical services:

1. PNCDI II – Vibro-acoustic diagnose in-situ applicable to machines and industrial equipment in view of creating a predictive maintenance service, contract 71078/18.09.2007, beneficiary UPB-CNCPST, *project responsible*.
2. NUCLEU 2013, Researches regarding mechanization and automation of the manufacturing processes of pellets and agri-pellets, Contract no. 15 N / 27.02.2009; PN 09 – 15 02 03, *project collaborator*.