

Expertise & Experience

Position within the project: PostDoctoral Researcher

Sorica Cristian, 38 years old, PhD. Eng., Scientific Researcher gr. II, CNP: 1780328341721

Current position held: Head of Laboratory 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: During 2002 – present, scientific researcher: research and testing activities in the field of technologies and equipment for agriculture and food industry; over 17 scientific research papers which have resulted in 17 notifications patents, over 68 articles, project responsible for 5 national research grants. PhD Thesis: *Contributions to the study of grain conditioning process*

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

1. Ingeaua M., Prisecaru T., Pirna I., **Sorică C.** - *Analysis of a convective drying process of apples*, UPB SCIENTIFIC BULLETIN Series D: Mechanical Engineering, Vol. 78, Iss. 1, ISSN (print): 1454-2358 / (online): 2286-3699, 2016, [Indexed to: *Ulrichs, Scopus, Inspec, Metadex, Elsevier Sciences Bibliographic Databases, Engineering Village, Cambridge Scientific Abstracts, Compendex*], page 241 – 252;
2. Ingeaua M., Prisecaru T., **Sorică C.** - *Sizing convective drying chambers designed to fruits and vegetables dehydration*, ANNALS of Faculty Engineering Hunedoara – International Journal of Engineering, Tome XIII [2015] – Fascicule 3 [August], ISSN: 1584-2673 [CD-Rom, online], pag. 233-238, <http://annals.fih.upt.ro/>;
3. **Sorică C.**, Bracăcescu C., Manea D., Sorică E., Epure M., Covaliu C. - *Considerations regarding the optimization of the mechanical conditioning process of grain into the indented cylinder separators*, ANNALS of Faculty Engineering Hunedoara – International Journal of Engineering, Tome XII [2014] – Fascicule 3 [August], ISSN: 1584-2673 [CD-Rom, online], pag. 335-338.

National patent notifications: -

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

1. Programme NUCLEU / Innovative technology and implementation of a complex technical equipment for packaging in bags of finished agricultural products within the milling units of small and medium capacity, 2013;
2. Programme RELANSIN / Researches regarding the achievement of a turbo cleaning equipment compatible with the harmonized technology for the precleaning of cereal and technical plants seeds, 2005 – 2006.