

Expertise & Experience

Position in project: Senior researcher

Milea Dumitru, 59 years old, mechanical engineer, experience in project (31 years)

Current position held: Scientist researcher II gr., within INMA Bucharest National Research Institute, Research Development Innovation Department, Harvesting Laboratory - Technologies and Technical Equipments for Harvesting, Animal Husbandry, Horticulture, Transport and Handling, (Address: Ion Ionescu de la Brad Blv. No. 6, Sector 1 Bucharest, Romania, 013813).

Professional experience in the field of the project:

Starting with 1983-1985, trainee engineer at Seed Conditioning Station - Barlad. From 1985- 1997, scientist researcher gr. II at ICSITMUA, named now INMA Bucharest. From 1997- 2008, head of Design and Development Compartment, at TEHNOPAM S.A. Bucharest. From 2008 - present, I am Scientist Researcher II gr. within INMA Bucharest National Research Institute. I have a wide professional experience in all phases of national research projects, elaboration in activities such: technological research, design, manufacturing and testing technical support, drawing of manufacturing documentations for milling, cleaning and sorting seeds (cereals, technical plants) machines and other agriculture and food industry machinery, technical support and putting in operation of above items.

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

1. Păun A., Ciobanu V., **Milea D.**, Stud. Gageanu I., Bunduchi G., Epure M., *Modern technologies destined for cleaning and sorting grain seeds for storage at agricultural producers*, Proceedings of the Union of Scientists – Ruse, VIth INTERNATIONAL SCIENTIFIC CONFERENCE, ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING, Angel Kanchev” University of Ruse, 2015, ISSN 1311-9974, pag. 348 – 355.
2. A. Păun, E. Marin, **D. Milea**, G Bogdanof, Gh Ionita, G Bunduchi *Installation for producing organic certified seeds and planting material for field crops*. International Symposium of ISB-INMA TEH. Agricultural and mechanical engineering, 27-29 October 2016, Bucharest, Romania, Proceedings, pag. 731-736.
3. Dr. ing. Vișan A.L., **Ing. Milea D.**, *Theoretic consideration regarding the pneumatic transport system design meant for small and very small seeds alveolar pneumatic sowing equipment*, volumul simpozionului international „ISB-INMATEH - AGRICULTURAL AND MECHANICAL ENGINEERING” 2015, Universitatea POLITEHNICA București, 29 -31 octombrie 2015, ISBN 978-83-60708-88-0.
4. **Milea D.**, Matache M., Brăcăcescu C., Păun A., Żelaziński T., Csatlos C., Găgeanu I. - *Researches on automation of weighing and sacking process of finished agricultural products / Cercetări privind automatizarea procesului de cântărire și ambalare în saci a produselor agricole finite*, INMATEH - Agricultural Engineering, vol. 42, no. 1 / 2014, ISSN: 2068 – 4215 pag. 61-69.

List of most relevant research projects involved:

1. *Programme ADER 2020 / Project title:* Development of an integrated production system of seeds and seedlings, ecologic certificated, for field of: cereal crops, vegetable beans crops, oleaginous crops, technical plants and fodder crops, aromatic and medicinal plant crops.
2. *Programme NUCLEU / Project title:* **1.** Innovative technology and realization of a complex technical equipment for the sacking of agricultural products finished in milling units for low and medium capacity (*Project Responsible*). **2.** Innovative technology and installation for the superior use of soy beans in animal feed. **3.** Innovative technology for continuous dosing process of feed with granular and powdered food products to ensure food quality and security
3. *Programme PARTENERIATE/ Project title:* *Promoting in Romania of energy willow cultivation technology (SALIX VIMINALIS) as an alternative source of clean energy (TCSE)* .