

EXPERIANCE AND EXPERTISE

Bogdanof Constantin Gabriel, 63 years old, mechanical engineer.

Position within the project: Project member

Current position held: Technological Development Engineer II rank (IDT II), within INMA Bucharest, Research Development and Innovation Department, Harvesting Laboratory – Technologies and Technical Equipments for Harvesting, Animal husbandry, horticulture, transport and handling (address: no. 6, Bd. Ion Ionescu de la Brad., sector 1, Bucharest Romania, postal cod 013813)

Professional experience in the field of the project: in scientific research experience in the field of agricultural machinery and equipments more than 22 years (1984-2001 and 2012- present) at INMA. Mechanical engineer for technical assistance at SI-AN '95 (2001-2004), auto restoration at OldTimers Studio SA (2004-2005), design engineer at GrivCO SA (2008-2009). During those years I gained experience in managing and development of national technical and research projects in the field of technologies, processes and technical equipment for harvesting; feed preservation, preparation and distribution in livestock farms; as well as for transportation, handling and storage of agricultural products. Also I conducted various activities, as well as: parts, assemblies and machinery design, experimental methodologies, testing and demonstration methodologies, product standard, patent applications, experimental research reports and technical documentation elaboration, and scientific papers at national and international publications, conferences and symposiums.

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

Technical documentation of below projects. Patent applications: no. 1013/12.12.2012- Technical equipment for harvesting and cutting of green fodder, no. 01030/21.12.2016- Mixing Combined System and transportation of treated cereals. Development of scientific papers and documents of dissemination activities (technical sheets, books, posters, etc). Most relevant papers: Experimental determinations of the physical properties of alfalfa and cuscuta seeds - separation methods, 5th International Conference on Thermal Equipment, Renewable Energy and Rural Development TE-RE-RD 2016 Proceeding, pg. 429-434; Development trends of advanced technology for seedling production form small and smaller seeds, ISB-INMATEH 2014 Proceeding, pg. 286-290; Development trends of advanced technology for seedling production form small and very small seed, ISB-INMATEH - AGRICULTURAL AND MECHANICAL ENGINEERING” 2014 Proceeding, pg. 286-290, State-of-the-art seeding equipments used in precision agriculture technologies operated by pneutronics systems, 23rd International Scientific and Technical Conference” CYLINDER 2015 Proceeding, pg. 261-273.

List of research grants or testing technical services, as collaborator

R & D activity of technologies and equipment in the food and feed industry: 1. Optimization of the trailed feed combine CTFM; 2. Development and designed of trailed combine ETSE – Partnership Program; 3. Development of an integrated production system of seeds and seedlings, ecologic certificated, for field of: cereal crops; vegetable beans crops; oleaginos crops, technical plants and fooder crops, aromatic and medicinal plant crops- ADER 2020 Program; 4. Innovative technology and intalation for the capitalisation of soy beans in animal feed – NUCLEU Program; 5. Innovative technology and realisation of a complex technical equipment for sacking of agricultural products finished in milling units for low an dmedium capacity – NUCLEU Program.