

## Expertise and Experience

**Position in project:** Senior researcher

**VLĂDUȚ Nicolae-Valentin**, 42 years, mechanical engineering, PhD in Mechanical Engineering

**Curent position held:** SR I, Scientific Director - INMA Bucharest, 6 Ion Ionescu de la Brad Bd., sect. 1, Bucharest, Romania, 013813;

**Professional experience in project:** From 1998-present working to INMA Bucharest, so: 1998 - 2005, engineer - testing responsible for tillage machines; 2005-2012, head of Testing Department; 2013 - present, Scientific Director, scientific coordinator of research project (basic and applied), technology development and innovation of mechanization and machinery for soil, harvester and renewable energy.

**List of most important five achievements in the field project (publications in scientific journals):**

1. Păun A., **Vlăduț V.**, Marin E., Manea D., Lazăr G., Găgeanu I. - *Energy plants – an alternative for the future production of biofuels*, Fifth International Conference "RESEARCH PEOPLE AND ACTUAL TASKS ON MULTIDISCIPLINARY SCIENCES", pag. 201-208, Lozenec, Bulgaria, 2015;
2. Găgeanu G., **Vlăduț V.**, Păun A. - *Installation for Obtaining of Vegetable Oils, the Alternative Source for Promotion Biofuels for Diesel Engines*, International Conference Proceedings "Energy Efficiency And Agricultural Engineering", pag. 357-362, 2009, Rouse - Bulgaria;
3. Biriș S., **Vlăduț V.**, Ungureanu N. - *Present and future in the field of alternative energy use in Romania*, International Conference Proceedings "Energy Efficiency and Agricultural Engineering", pg. 329-336, 2009, Rouse - Bulgaria;
4. Militaru M., Postelnicu E., Chițoiu M., Vlăduț V. - *Solar Energy Use in Dryers as an Alternative Energy Source in Agriculture*, Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca - AGRICULTURE, nr. 67 (1) / 2010, pg. 187-193, Cluj Napoca - România;
5. Găgeanu P., Vlăduț V., Păun A. - *Vegetable oil, clean energy source for obtaining biofuel*, Journal CONTEMPORARY AGRICULTURAL ENGINEERING, Vol. 36 (2010), No. 4, pg. 428-437, Novi Sad, Octobre 2010;
6. Murad E., Maican E., Biriș S., Vlăduț V. - *Heating Greenhouses with Fluid Biomass Energy Modules, Proceedings of the Third International Conference "Research People And Actual Tasks On Multidisciplinary Sciences"*, vol. 2, pg. 202-208, 2011, Lozenec, Bulgaria;

**List of research grants to which participated:**

1. NUCLEU Program - *Research and technical-scientific substantiation of a modern plant technology and extraction of vegetable oils for primary processing of seeds of agricultural products, to promote the concept of " ENERGY INDEPENDENCE OF ROMANIAN FARMER "*, 2007÷2008, Project manager;
2. PNCDI II Program - *Technology for agricultural and forestry solid biomass valorisation in view of obtaining clean energy and reduce greenhouse gas emissions greenhouse*, 2007÷2010.