



Ovidiu RANTA

Data nașterii: 13/06/1973 | **Cetățenie:** română | **Gen:** Masculin |

(+40) 744800608 | ovidiu.ranta@usamvcluj.ro |

3-5 Calea Mănăstur Street, 400372, Cluj-Napoca, Romania, 400372, Cluj-Napoca, România

Despre mine:

About me:

Field of activity: Mechanization of agricultural works / energy sources.

Didactic degree: Professor.

Scientific title: Doctor of Engineering

Area of expertise: Soil tillage machines, tillage machines

sowing machines, phytosanitary treatment machines, harvesters, tractors

agricultural, depollution facilities.

● EXPERIENȚA PROFESIONALĂ

28/02/2022 – ÎN CURS – Cluj-Napoca, România

PROFESSOR – UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE OF CLUJ-NAPOCA

Courses in the following subjects: Automation of technological processes, Mechanization of forestry works, Forestry machinery and equipment, Agricultural machinery 1 and 2, Technical thermodynamics, Energy base for agriculture, Machinery and transport systems, Testing and diagnostics of machinery and equipment.

28/12/2021 – ÎN CURS – Cluj-Napoca, România

PHD COORDINATOR, AGRONOMY, SPECIALIZATION MECHANIZATION , DOCTORAL SCHOOL OF AGRICULTURAL SCIENCES – UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE OF CLUJ-NAPOCA

20/10/2016 – ÎN CURS – Cluj-Napoca, România

DIRECTOR OF DEPARTMENT I TECHNICAL SCIENCES AND SOIL SCIENCES – UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE OF CLUJ-NAPOCA

24/02/2014 – 28/02/2022 – Cluj-Napoca, România

ASSOCIATE PROFESSOR – UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE OF CLUJ-NAPOCA

Courses and practical work in the subjects: Agricultural machinery, Tractor driving, Machinery and transport systems, Technical thermodynamics, Automation of technological processes, Testing and diagnostics of machines and equipment, Reliability of agricultural and food industry machinery, Applied electronics, Descriptive geometry and technical drawing, Mechanization of forestry works.

19/11/2011 – ÎN CURS – Cluj-Napoca, România

MEMBER OF THE SENATE – UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE OF CLUJ-NAPOCA

23/02/2004 – 24/02/2014 – Cluj-Napoca, România

LECTURER, FACULTY OF AGRICULTURE, DEPARTMENT OF MECHANIZATION – UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE OF CLUJ-NAPOCA

Courses and practical work in the following subjects: Agricultural machines and environmental impact, Depollution technologies and installations, Energy base for agriculture, Energy base for horticulture, Agricultural machines, Horticultural machines, Tractor driving, Agricultural mechanization, Energy sources, Mechanics, Descriptive geometry and technical drawing, Strength of materials

01/10/2011 – ÎN CURS – Cluj-Napoca, România

COORDINATION OF THE PRACTICE DEPARTMENT – UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE OF CLUJ-NAPOCA

ÎN CURS – Cluj-Napoca, România

SCIENTIFIC COORDINATION OF DIPLOMA / DISSERTATION – UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE OF CLUJ-NAPOCA

21/02/2000 – 23/02/2004 – Cluj-Napoca, România

UNIVERSITY ASSISTANT, FACULTY OF AGRICULTURE, DEPARTMENT OF MECHANIZATION – UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE OF CLUJ-NAPOCA

Practical works, seminars, practical activity at the Mechanization Department

19/02/1998 – 21/02/2000 – Cluj-Napoca, România

PREPARING ASSISTANT, FACULTY OF AGRICULTURE, DEPARTMENT OF MECHANICS – UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE OF CLUJ-NAPOCA

Practical works, seminars, practical activity at the Mechanization Department

01/10/1998 – 01/03/2008 – Cluj-Napoca, România

PHD STUDENT, MECHANICAL ENGINEERING – TECHNICAL UNIVERSITY OF CLUJ NAPOCA

Mechanization of soil works, sowing technologies, direct sowing technology.

Thesis title: Research on the mechanization of direct sowing of corn in uncultivated land.

01/10/1997 – 19/02/1998 – Cluj-Napoca, România

INVITED LECTURE, FACULTY OF AGRICULTURE, DEPARTMENT OF MECHANIZATION – UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE OF CLUJ-NAPOCA

Practical works, seminars, practical activity at the Mechanization Department

● **EDUCAȚIE ȘI FORMARE PROFESIONALĂ**

06/2021 – 3-5 Calea Manastur Street, 400372, Cluj-Napoca, România

CERTIFICATE OF ABILITY (AGRONOMY DOMAIN) – University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca

01/10/1998 – 17/03/2008 – 103-105 Bulevardul Muncii Street, Cluj-Napoca, România

DOCTORAL DEGREE IN MECHANICAL ENGINEERING SERIES F NO.0002018 – Technical University of Cluj Napoca

01/10/1998 – 30/06/1999 – 103-105 Bulevardul Muncii Street, Cluj-Napoca, România

DIPLOMA OF IN-DEPTH STUDIES SERIES D NO.0017148 – Technical University of Cluj Napoca

01/10/1997 – 18/06/1999 – 103-105 Bulevardul Muncii Street, Cluj-Napoca, România

DIPLOMA OF POSTGRADUATE ACADEMIC STUDIES SERIES G NR. 0001428 – Technical University of Cluj Napoca

15/06/1996 – 13/06/1999 – 103-105 Bulevardul Muncii Street, Cluj-Napoca, România

TEACHER TRAINING DEPARTMENT – Technical University of Cluj Napoca

01/10/1992 – 30/06/1997 – 103-105 Bulevardul Muncii Street, Cluj-Napoca, România

DIPLOMA IN ENGINEERING, FACULTY OF MECHANICS, SPECIALIZATION IN AGRICULTURAL MECHANICS – Technical University of Cluj Napoca

15/09/1988 – 30/06/1992 – 1 Mai Street, no. 10, Dej, România

BACCALAUREATE DIPLOMA SERIES K NO. 131839 – Liceul Teoretic Andrei Mureșanu Dej

● **COMPETENȚE LINGVISTICE**

Limbă(i) maternă(e): **ROMÂNĂ**

Altă limbă (Alte limbi):

	COMPREHENSIUNE		VORBIT		SCRIS
	Comprehensiune orală	Citit	Exprimare scrisă	Conversație	
ENGLEZA	B2	B2	B2	B2	B2
GERMANA	B2	B2	B2	B2	B2

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

● **COMPETENȚE DIGITALE**

Navigare Internet | Utilizare buna a programelor de comunicare(mail messenger skype) | buna utilizare a rețelelor de socializare | Zoom | Microsoft Word | Microsoft PowerPoint | facebook page | Google Drive

PUBLICAȚII

Published books, courses, guides

1. Drocaș, I., Mihaiu, I., **Ranta, O.**, Molnar, A., *Reglarea mașinilor agricole de lucrat solul, semănat, plantat, fertilizat și protecția plantelor*, Editura RISOPRINT, Cluj-Napoca, 1999, 170 pag. ISBN 973-9464-05X
2. Stănilă, S., Roș, V., Mihaiu I., **Ranta, O.** *Tehnici și tehnologii de mecanizare a lucrărilor în sistem de conservare a solului*, Ed. Alma Mater, Cluj-Napoca, 2003, 175 pag. ISBN 973-8397-03-0
3. Mihaiu, I., Drocaș, I., **Ranta, O.**, Molnar, A. *Reglarea mașinilor agricole*, Editura Risoprint, Cluj-Napoca, 2004, 317 pag. ISBN 973-656-560-2
4. **Ranta, O.**, *Conducere tractoare*, 2021 Curs, AcademicPres Cluj-Napoca, 151 pag ISBN 978-973-744-885-9
5. Rusu M., Roxana Vidican, **Ranta Ovidiu**, *Reguli de aplicare corectă a fertilizanților*, Editura Colorama, Cluj-Napoca, 2017, 165 pag ISBN 978-606-8778-28-0
6. **Ranta O.**, *Mecanizarea semanatului direct*, 2021 Editura AcasemicPress, ISBN 978-973-744-890-3, 253 pag.
7. **Ranta O.** Ovidiu Marian, Valentin Crișan, Alexandru Ghețe, 2021, *Bază energetică pentru agricultură (Îndrumător de lucrări practice)* 2021, Editură AcademicPress, Cluj-Napoca 233 pag ISBN 978-973-744-891-0
8. **Ranta O.**, 2021, *Utilaje și sisteme de transport curs*, Editură AcademicPress, Cluj-Napoca 228 pag ISBN 978-973-744-888-0
9. **Ranta O.**, Ovidiu Marian, Valentin Crișan, Alexandru Ghețe, 2021, *Curs Baza Energetica pentru Agricultura*, editura Editura AcademicPres 2021 cu e- ISBN: 978-973-744-883-5

Representative works

ISI: 41, of which 7 in impact factor journals, BDI: 110, WOS 75 citations, h-index: 4.

1. **Ranta O.**, Drocaș I., Haitau V., Buzogany A., Stanila S., Molnar A., *Optimization of technologic process at fodder kitchen using computer devices*, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2005. **(ISI proceedings)**
2. **Ovidiu RANTA**, Adrian MOLNAR, Mircea GHEREȘ, DEAC Teodora, *The agriculture-as energy producer (B)*, ProEnvironment 2 (2008) 39 – 41
3. **Ranta Ov.**, K. Koller, V. Ros, I. Drocaș, Ov. Marian, *Study regarding the forces that occurs in a no-till technology process in relation with geometrical parameters of the coulter discs* Buletinul USAMV-CN, 65/2008(-) ISSN 1843-5246 (Index Copernicus, CAB, EBSCO, Scopus)
4. **Ranta, O.**, Drocaș, I., Stănilă, S., Molnar, A., Marian, O. *Influence of disc kinematic regime used in no-tillage technology on germinative bed cone index*; Revista, an, numar, pagini: Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, vol. 66(1)/2009, Editura AcademicPres, Cluj-Napoca, 2009
5. **Ovidiu RANTA**, Ioan DROCAȘ, Sorin STĂNILĂ, Adrian MOLNAR, Mircea Valentin MUNTEAN, *Analysis of Working Qualitative Parameters for No-Till Machines*, Bulletin UASVM Agriculture, 68(1)/2011 (Index Copernicus, CAB, EBSCO, Scopus)
6. **Ovidiu RANTA**, Ioan DROCAȘ, Ovidiu MARIAN, Adrian MOLNAR, Sorin STANILĂ, Mircea MUNTEAN, *variation of transversal distribution uniformity for eep-600me in corelation with boom stability*, Research Journal of Agricultural Science, 44 (1), pag.289, Timisoara, 2012, (CAB Abstracts)
7. **Ovidiu RANTA**, Ioan Drocaș, Sorin Stănilă, Adrian Molnar, Mircea Muntean, Ovidiu Marian, *The main advantages of E-drive system used for precision seeding*, Bulletin UASVM serie Agriculture 69(1)/2012, 238-243, Print ISSN 1843-5246; (CAB Abstracts)
8. **RANTA Ovidiu**, Ioan DROCAȘ, Sorin STĂNILĂ, Adrian MOLNAR, Mircea MUNTEAN, Ovidiu MARIAN *Influence the Coulter Type on the Seed - Soil Contact in No-till Technology*, Bulletin UASVM serie Agriculture 70(1)/2013, 173-179, Print ISSN 1843-5246; Electronic ISSN 1843-5386

1. **Ranta, O.**, Mihaiu I., Stănilă S., Molnar A., Devices for improvement of Qualitative Index for no Till Drilling Machines, Buletinul USAMV-CN, 57/2002(-) ISSN 1454-2382. **(ISI Proceedings)**
2. Rusu, Teodor, Bogdan, Ileana, Moraru, Paula, Pop, Adrian, Oroian, Ioan, Marin, Doru **Ranta Ovidiu**, Stanila, Sorin, Gheres Marinela, Duda Marcel, Mogosan Cristina, 2013, Influence of minimum tillage systems on the control of *Convolvulus arvensis* L. on wheat, maize and soybean, JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT Volume: 11 **(F=0,435)**
3. Muntean Mircea-Valentin, Marian, Ovidiu, Barbieru, Victor, Catunescu, Giorgia M., **Ranta Ovidiu**, Drocas, Ioan, Terhes, Sorin, Assessment Method of Coverage Degree for Pneumatic Sprayers Used in Orchards 2016, Agriculture and Agricultural Science Procedia, Volume: 10 DOI: 10.1016/j.aaspro.2016.09.077. **(Indexata ISI)**.
4. Marian Ovidiu, Muntean, Mircea Valentin, Drocas, Ioan, **Ovidiu Ranta**, Molnar Adrian, Catunescu, Giorgia M., Barbieru, Victor, 2016, Assessment method of coverage degree for pneumatic sprayers used in orchards, Agriculture and Agricultural Science Procedia, Volume: 10, DOI: 10.1016/j.aaspro.2016.09.008 **(Indexata ISI)**.
5. Ghețe Alexandru Bogdan, Has Voichita, Vidican, Roxana Copandean, Ana, **Ranta Ovidiu**, Moldovan Cristina Maria, Crisan Ioana, Duda Marcel Matei, 2020, Influence of Detasseling Methods on Seed Yield of Some Parent Inbred Lines of Turda Maize Hybrids AGRONOMY-BASEL Volume: 10 DOI: 10.3390/agronomy10050729 **(F=2,603)**.
6. Cirebea, Mirela, Rotar, Ioan, Vidican, Roxana, Plesa, Anca, Morea, Adriana, **Ranta Ovidiu***, 2020 Impact of organo-mineral fertilization upon phytocoenosis and feed quality of the grasslands in the region of Transylvania Romanian Agricultural Research 37 **(F=0,5)**.
7. Ranta Mirela, Rotar Ioan, Vidican Roxana, Malinas Anamaria, **Ranta Ovidiu***, Lefter, Nicoleta, 2021, Influence of the UAN Fertilizer Application on Quantitative and Qualitative Changes in Semi-Natural Grassland in Western Carpathians, AGRONOMY-BASEL Volume: 11, Issue: 2 DOI: 10.3390/agronomy11020267 **(F=3,417)**.
8. **Ranta O**, Marian O, Muntean MV, Molnar A, Ghețe AB, Crișan V, Stănilă S, Rittner T. Quality Analysis of Some Spray Parameters When Performing Treatments in Vineyards in Order to Reduce Environment Pollution. *Sustainability*. 2021; 13(14):7780. **(F=3.251)**.
9. **Ovidiu Ranta**, Alexandru Ghețe, Sorin Stănilă, Mircea Muntean, Ovidiu Marian, Adrian Molnar-Irimie* Influence Of Design Of The Disk Furrow Opener Of No-Till Sowing Machines On The Seedbed Quality **2021**, NARDI FUNDULEA, ROMANIA ROMANIAN AGRICULTURAL RESEARCH, NO. 38, 2021 www.incda-fundulea.ro Print ISSN 1222–4227; Online ISSN 2067–5720 **(F=0,5)**.
10. Roman, Alin Raoul, **Ranta, Ovidiu**, Vac, Calin, Roman, Ioana, INCREASE THE EFFICACY OF WEED CONTROL FROM WHEAT CULTURE USING THE ASYMMETRICAL TWIN FLAT SPRAY AIR INJECTOR NOZZLES – IDTA, NARDI FUNDULEA, ROMANIA ROMANIAN AGRICULTURAL RESEARCH, NO. 38, 2021 (**F=0,5**).

1. **Ranta, Ovidiu**, Drocaș, I., Stănilă, S., Molnar, A., Marian, O. 2009, Influence of disc kinematic regime used in no-tillage technology on germinative bed cone index; Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, vol. 66(1)/2009, Editura AcademicPres, Cluj-Napoca, (Index Copernicus, CAB).
2. **Ovidiu RANTA**, Ioan DROCAȘ, Sorin STĂNILĂ, Adrian MOLNAR, Mircea Valentin MUNTEAN, 2011, Analysis of Working Qualitative Parameters for No-Till Machines, Bulletin UASVM Agriculture, 68(1) Index Copernicus, CAB, EBSCO.
3. **Ovidiu RANTA**, Ioan DROCAȘ, Ovidiu MARIAN, Adrian MOLNAR, Sorin STANILĂ, Mircea MUNTEAN, 2012, Variation of transversal distribution uniformity for EEP-600me in corelation with boom stability, Research Journal of Agricultural Science, 44 (1), pag.289, Timisoara,.
4. **Ovidiu RANTA**, Ioan DROCAȘ, Sorin STĂNILĂ, Adrian MOLNAR, Mircea MUNTEAN, Ovidiu MARIAN, 2012, The Main Advantages of E-Drive System Used for Precision Seeding , Bulletin UASVM Agriculture 69(1) Print ISSN 1843-5246; Electronic ISSN 1843-5386.
5. **RANTA Ovidiu**, Ioan DROCAȘ, Sorin STĂNILĂ, Adrian MOLNAR, Mircea MUNTEAN, Ovidiu MARIAN, 2013 Comparative Analysis of Distribution Devices Used for Precision Sowing Machines, ProEnvironment 6, Cluj Napoca, Romania, ISSN 2066-1363, Index Copernicus, CAB, EBSCO
6. **RANTA Ovidiu**, Ioan DROCAȘ, Sorin STĂNILĂ, Adrian MOLNAR, Mircea MUNTEAN, Ovidiu MARIAN 2013, Influence the Coulter Type on the Seed - Soil Contact in No-till Technology, Bulletin UASVM serie Agriculture 70(1), 173-179, Print ISSN 1843-5246; Electronic ISSN 1843-5386 Index Copernicus, CAB, EBSCO.
7. **Ranta, Ovidiu**, I. Drocas, S. Stănilă , A. Molnar, Ov. Marian, 2008, FIELD EXPERIMENTS WITH SPC SEEDING MACHINE MODIFIED FOR NO-TILL TECHNOLOGY: Buletinul USAMV-CN, 65, ISSN 1843-5246 (Index Copernicus, CAB)
8. Ovidiu MARIAN, Ioan DROCAS, **Ovidiu RANTA**, Mircea MUNTEAN, Adrian MOLNAR, 2011, Determination of vertical Air speed and Analysis of the Liquid Distribution for ATOM 300 Orchard Spraying Machine, Buletin USAMV-CN, 68(1-2) ISSN 1454-2382 pag. 64 Index Copernicus, CAB, EBSCO etc.
9. STĂNILĂ Sorin*, Ioan DROCAȘ, Adrian MOLNAR, **Ovidiu RANTA**, 2013, Studies Regarding Comparative Fuel Consumption at Classical and Conservation Tillage, ProEnvironment 6 199 - 202, Cluj Mapoca, Romania, ISSN 2066-1363, 2013 Index Copernicus, CAB, EBSCO etc.
10. Ioan DROCAS, Ovidiu Marius MARIAN , **Ovidiu RANTA**, Adrian MOLNAR , Mircea MUNTEAN, Giorgiana CĂTUNESCU, 2014, Study on determining the degree of coverage when performing phytosanitary treatments using water sensitive paper, Lucrări Științifice – vol. 57 (1) 2014, seria Agronomie, Iași, Romania, 1454-7414,

Papers in specialized conferences

1. Sârb Vasile, Gherman Vasile, Drocaș Ioan, Naghiu Alexandru, Morar Mircea, Naghiu Livia, Bărbieru Victor, **Ranta Ovidiu**, Molnar, A., *Optimization of fodder plant harvesting in the private farms in sub-mountainous areas*, Croatian Symposium on Agriculture, Opatija, 19-23 february 2001, Croatia (BDI)
2. Sârb Vasile, Gherman Vasile, Drocaș Ioan, **Ranta Ovidiu**, Bărbieru Victor, *Kutatások a bSzébetakarítás Modern Technológiájának Alkalmazásáról a Hegyvidéki Gazdaságokban*, Innováció, a Tudomány és a Gyakorlat Egysége az Ezredforduló Agráriumban, Debrecen, aprilis 11-12, 2002 (BDI)
3. Drocas I. Marian O. **Ranta O.** Molnar A. Stanila S. *Modernizarea masinii EEP-600 in vederea respectarii normelor europene*; Denumire conferinta, organizator, perioada, oras, tara: INMA Bucuresti, Agricultura si Inginerie, Nr.24, Ianuarie 2008 (BDI)
4. Drocas, I., Gheres M. Marian, O., Molnar, A. **Ranta, O.** Stanila S. *Influenta tipului de duza asupra gradului de acoperire la luarea de erbicidat* ; Denumire conferinta, organizator, perioada, oras, tara: INMA Bucuresti, Agricultura si Inginerie, Nr.24, Ianuarie 2008 (BDI)
5. Drocas, I., **Ranta, O.**, Marian, O., Molnar, A. Muntean M. *Utilizarea unui stand modern pentru testarea si diagnosticarea masinilor de tratamente fitosanitare*; Denumire conferinta, organizator, perioada, oras, tara: INMA Bucuresti, Agricultura si Inginerie, Nr.24, Ianuarie 2008 (BDI)

1. Drocaș, I., Ov. Ranta, V., Sârb, Zs. Buzogany, V., Haitău, I., Vaida, *Testing the spraying machine EEP-300 in laboratory conditions*, , Buletinul USAMV-CN, 58/2003(-) ISSN 1454-2382
2. Ranta, O., Drocas, I., Ros, V., Buzogany, A., Koller, K, *SPC seeding machine adjustment to no-tillage technology*, Buletinul Universitatii De Stiinte Agricole Si Medicina Veterinaria Cluj-Napoca SER AGRICULTURA SERIES Volume 60 Page 455-455, Published 2004(ISI Proceedings)
3. Drocaș, I., Marian, O., **Ranta, O.**, Molnar, A., Stănilă, S., Muntean, M. GPS guidance devices used for field crops spraying machines, Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, vol. 67(1)/2010, Editura AcademicPres, Cluj-Napoca, 2010
4. Drocas I., Marian O., **Ranta O.**, *Guidance devices for field crops spraying machines*, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2007.
5. Stanila S., Drocas I., Molnar A., **Ranta O.**, *Equipment for testing the technical status of spraying machines*, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2007.
6. Ioan DROCAȘ, Ovidiu MARIAN, **Ovidiu RANTA** , Sorin STĂNILĂ, Mircea MUNTEAN, An Overview of the Gps Uses in Agriculture, Bulletin UASVM Agriculture, 68(1)/2011.
7. Adrian MOLNAR, Ioan DROCAS, **Ovidiu RANTA**, Sorin STANILA Development of Software for Soil Compaction Assessment, Buletin USAMV-CN, 68(1-2)/2011 (-) ISSN 1454-2382 pag 88 Index Copernicus, CAB, EBSCO etc.
8. Ovidiu MARIAN, Ioan DROCAS, **Ovidiu RANTA**, Adrian MOLNAR, Mircea MUNTEAN, Systems Used in Precision Agriculture, Bulletin of the University of Agricultural Sciences & Veterinary Medicine Cluj-Napoca. Agriculture . 2012, Vol. 69 Issue 1, p295-296. 2p.
9. Adrian MOLNAR, Ioan DROCAS, **Ovidiu RANTA**, Sorin STANILA Development of Software for Soil Compaction Assessment, Buletin USAMV-CN, 68(1-2)/2011 (-) ISSN 1454-2382 pag 88 Index Copernicus, CAB, EBSCO etc.
10. Sorin STANILA., Ioan DROCAS, **Ovidiu RANTA**, Adrian MOLNAR, Mihaela NAGY, Studies Regarding comparative Analysis of Main working Indicators at primary soil Tillage's, Buletin USAMV-CN, 68(1-2)/2011 (-) ISSN 1454-2382 , pag. 114,

● INFORMAȚII SUPLIMENTARE

Training courses abroad

1. Post-graduate scholarship in the European Socrates-Erasmus Program at the Institute of Mechanization, Hohenheim University, Stuttgart, Germany.
2. Mobility Socrates Erasmus Teacher (TS), Hohenheim University, Stuttgart;
3. Specialization-research internships at Hohenheim University Stuttgart,
4. Research internships Lechler Company, Metzingen, Germany;
5. Maintenance and operation courses for forage harvesters, Krone, Spelle, Germany
6. Course for the operation of grain drying facilities, Mepu Company, Finland
7. Member of the Agritechnica Innovation Commission

Awards and Diplomas

1. Certificate of participation Krone-Service-Training 15.09.-18.09.2008, Maschinenfabrik Bernard Krone, Germany
2. Certificate of participation "Relationship between Environment & Agriculture & Industry: Conflict and Synergy" dedicated to World Environment Day, 1st Edition Cluj-Napoca. 02.06.2009.
3. Diploma TOOPS - WATER PROTECTION COURSE (DiSAFA - University of Turin 15 / 18th June 2015 Grugliasco, Italy).
4. Certificate of participation in the workshop "Skills and competencies needed on the labor market" within the CNFIS-FDI project 2016-2018 on 11/22/2016
5. Certificate of participation in the managerial skills development session held in Cluj-Napoca on October 22-25, 2018.
6. Diploma of participation in the E-Learning and Blended-learning training course, within the POCU project-Education and competitive training on the labor market-EduForm- MySmis code 121643 during 08.04.2019-25.04.2019.
7. Certificate of participation in the POCU project - Education and competitive training on the labor market-EduForm-MySmis code 121643, between 08.04-07.07.2019.
8. Certificate of participation "Technische Spezialisierung für Futter-Aufbereitungs-Systeme 03.07.2019-04.07.2019, Germany.
9. Diploma of participation in the training course Diagnosis and adjustment of turbochargers, 29.02.2020, organized at the Faculty of Mechanics Craiova by the Association of Specialists in Romania in partnership with Garage Training.
10. Diploma of participation in the training course Exhaust gas treatment systems (diesel Euro 5-6) - Particle Filters (DPF) - Selective Catalytic Reduction (AdBlue), 29.02.2020, organized at the Faculty of Mechanics Craiova by the Association of Specialists in Romania in partnership with Garage Training.
11. Diploma of participation in the training course Diagnosis of Bosch CRS-3 common-rail injectors, 29.02.2020, organized at the Craiova Faculty of Mechanics by the Romanian Association of Specialists in partnership with Garage Training.
12. Diploma of participation in the training course Electronic management and diagnosis of the exhaust system - gas treatment DOC / DPF / SCR, Demo vehicle: VW Passat-2.0TDI-CR-EURO 6, supported by GARAGE TRAINING, Cluj-Napoca, 07.03. 2020.

● ASOCIAȚII PROFESIONALE

Nation

1. Member of the Romanian Society of Agricultural Mechanical Engineers (SIMAR).
2. Member of the General Association of Romanian Engineers (AGIR).
3. Member of the Romanian National Society for Soil Science (SNRSS).
4. Member of the Romanian Meadow Society.
5. Romanian Agricultural Press Association.

International

1. Deutsches Landwirtschaft Gesellschaft-DLG.
2. Verein Deutscher Ingenieure-VDI.
3. European Society of Agricultural Engineers (EURAGENG).
4. International Commission on Agricultural and Biosystems Engineering (CIGR)

● RESEARCH CONTRACTS

Director / International Project Manager

1. TOPPS contract with ECPA Brussels, 2015-2018.
2. Train operators to Promote best Practices and Sustainability - TOOPS, 2019.
3. Train Operators to Promote Best Practices and Sustainability (TOPPS - Best Management Practices) with ECPA Brussels through AIPROM Bucharest, 2020.

Director / Head of national projects

1. Research on the mechanization of direct sowing technology and its extension in Romania, Project Director AT, 2001.
2. Eco-nano-technologies and intelligent equipment for mapping soil properties and evaluation in plant dynamics, in order to streamline agricultural production and environmental protection (INMA Bucharest), 2018.

Membru în echipe de cercetare

Member of research projects

1. Innovation checks project, UEFISCIDI code PN-II-IN-CI-2013-1-0007, contract 196CI / 22.10.2013 (2013-2014): Implementation of conservative agricultural technologies for spring crops.
2. Innovation checks project, UEFISCIDI code PN-II-IN-CI-2013-1-0007, contract 196CI / 22.10.2013 (2013-2014): Implementation of conservative agricultural technologies for spring crops.
3. Contract with the World Bank and the Government of Romania through MAPDR-UMP: Extension of new, unconventional tillage technologies that ensure the reduction of energy consumption, prevent soil erosion and avoid environmental pollution. Project no. 913, odern de GRANT no. 1496 / 23.09.2002.
4. CEEX Project, Module I, MEC-CNMP, (2005-2008): contract no. 44 / 10.10.2005, entitled: Improvement, conservation and recovery of degraded soils through anthropogenic intervention in agroecosystems in hilly areas, to increase the quality of life and environmental protection
5. CNCSIS Grant type At Experimental research on the possibilities of using soil conservation technologies in order to reduce energy consumption and costs for hilly areas CNCSIS CODE 415/2002 and 148/2003
6. CEEX Project, Module I, MEC - AMCSIT: Research and development of pottery techniques and application equipment for potato crop maintenance in pottery. Contract no. 66 / 4.10.2006
7. CNCSIS type A grant: Testing and diagnosing the technical condition of machines for phytosanitary works in order to reduce environmental pollution. CNCSIS CODE 894/2007
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15. POC Greentop-Agrobiodiversity Innovative Technology Project
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Prof. dr. ing. Ovidiu RANTA