

LISTĂ LUCRĂRI

Conf.dr.ing. Ranta Ovidiu

Criteriaul A1

1.1. Cărți și capitole în cărți de specialitate

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. 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.
5. Ranta O., *Mecanizarea semanatului direct*, 2021 Editura AcasemicPress, 253 pag. ISBN 978-973-744-890-3,

1.2. Manuale didactice

1. Ranta, O., *Conducere tractoare*, Curs, AcademicPres Cluj-Napoca, 120 pag ISBN 978-973-744-885-9.
2. 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
3. Ranta O., 2021, *Utilaje și sisteme de transport curs*, Editură AcademicPress, Cluj-Napoca 228 pag ISBN 978-973-744-888-0

Criteriaul A2

2.1. Articole în reviste cotate ISI

1. 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) <https://doi.org/10.3390/su13147780>
2. ~~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 in Semi-Natural Grassland in Western Carpathians*, AGRONOMY-BASEL Volume: 11, Issue: 2 DOI : 10.3390/agronomy11020267 (F=2,603), <https://www.mdpi.com/2073-4395/11/2/267>
3. Ghețe Alexandru Bogdan, Haș Voichița, Vidican Roxana, Copandean Ana, Ranta Ovidiu, Moldovan Cristina Maria, Crișan 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), <https://www.mdpi.com/2073-4395/10/5/729>.
4. Cirebea Mirela, Rotar Ioan, Vidican Roxana, Pleșa 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=0,347), <https://www.incda-fundulea.ro/rar/nr37/rar37.21.pdf>
 5. 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), https://www.academia.edu/20196782/Influence_of_minimum_tillage_systems_on_the_control_of_Convolvulus_arvensis_L_on_wheat_maize_and_soybean
 6. VOEVOD Mihai, Maria MOLDOVAN, **Ranta Ovidiu**, Marcel DÎRJA, Adriana DAVID, Svetlana MICLE, Călin TOPAN, Anuța ȚENTER, STUDY ON THE ECONOMIC EFFICIENCY OF SLOPE CONSOLIDATION BY DIFFERENT METHODS, Scientific Papers. Series A. Agronomy, Vol. LXIII, No. 2, 2020 (Indexata ISI) http://agronomyjournal.usamv.ro/pdf/2020/issue_2/Art7.pdf
 7. Svetlana MICLE, Sorin Daniel VATCA, Sorin MICLE, Mihai VOEVOD, Maria-Olivia MOLDOVAN, Adriana Paula DAVID, **Ranta Ovidiu**, Calin TOPAN, 2020, THE VARIATION OF TEMPERATURE AND RAINFALL IN THE MUNICIPALITY OF CLUJ-NAPOCA IN THE INTERVAL 1979-2019, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering. Vol. IX, 2020 (Indexata ISI) <http://landreclamationjournal.usamv.ro/pdf/2020/Art21.pdf>
 8. Cirebea Mirela, Rotar Ioan, Vidican Roxana, Plesa Anca, **Ranta Ovidiu**, 2018, Qualitative modifications produced in feed of *festuca rubra* l. and *agrostis capillaries* l. under influence of uan liquid fertilizer, Scientific Papers-Series Agronomy (Indexata ISI) http://agronomyjournal.usamv.ro/pdf/2018/issue_1/Art28.pdf
 9. Marian Ovidiu, Muntean, Mircea Valentin, Drocas, Ioan, **Ranta Ovidiu**, Molnar Adrian, Catunescu, Giorgiana 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) <https://www.sciencedirect.com/science/article/pii/S2210784316302017>
 10. Muntean Mircea-Valentin, Marian, Ovidiu, Barbieru, Victor, Catunescu, Giorgiana 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) <https://www.sciencedirect.com/science/article/pii/S2210784316302017>
 11. **Ranta O.**, V. Ros, Z. Pap, Stanila S., Molnar A., The computer aided design of the coulter disc for no-tillage machines, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2006. ISI Proceedings) <http://journals.usamvcluj.ro/index.php/agriculture/article/view/1651/1620>
 12. Teodora, Chira; Ros, V., Gheres, M., Fechete, L., **Ranta, O.**, Molnar, A , The possibilities of energetic crop uses in Romania, Bulletin of the University of Agricultural Sciences and

- Veterinary Medicine, Vol 62, 2006 ISSN: 1454-2382, pag.55-60 AGRICULTURE, (ISI Proceedings)
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/1561>
13. Gheres M., V. Ros, Teodora Chira, L.V. Fechete, Molnar A., **Ranta O.**, Technical and economical analysis of bioenergy production, Bulletin of the University of Agricultural Sciences and Veterinary Medicine, Vol 62, 2006 ISSN: 1454-2382, pag.68-73 AGRICULTURE (ISI Proceedings)
<https://journals.usamvcluj.ro/index.php/agriculture/article/view/1564>
 14. Stanila S., Drocas I., Molnar A., **Ranta O.**, Testing the technical status of spraying machines to reduce environmental pollution, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2006. (ISI Proceedings)
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/1655/1624>
 15. Drocas I., Molnar A., **Ranta O.**, Stanila S., Improvement of performance parameters for EEP-500 spraying machine through using Bravo 300 computer, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2006. (ISI Proceedings)
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/1636/1606>
 16. Sarb V., V. Barbieru, M. Morar, **Ranta O.**, Mechanical milking with mobile equipments in small farms from Salaj county, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2006 (ISI Proceedings).
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/1653/1622>
 17. **Ranta O.**, Drocas 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)
 18. Stanila S., **Ranta O.**, Molnar A., Variable rate technology in precision farming, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2005. (ISI Proceedings)
 19. Drocas I., Molnar A., **Ranta O.**, Stanila S., Haitau V., Sipos G., Improvement of constructive and functional parameters for MET-2500 spraying machine in order to comply with European Norms, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2005. ISI Proceedings)
 20. Drocas I., Molnar A., **Ranta O.**, Buzogany Z., Influence of agricultural spray nozzles type an working pressure on pulverization degree at spraying machines, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2005. (ISI Proceedings)
 21. Molnar A., Van den Akker, J.J.H., V. Ros, Stanila S., **Ranta O.**, Finite element method based analyses of soil compaction by agricultural traffic, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2004. (ISI Proceedings).
 22. **Ranta O.**, V. Rös, K. Köller, Stănilă S., Molnar A., Laboratory testing of the SPC machine adjusted for no-till, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2004. (ISI Proceedings)
 23. Stanila S., **Ranta O.**, Molnar A., Using digital maps in precision farming, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2004. (ISI Proceedings)
 24. Stănilă, S., V., Roș, A. Molnar, Ov., **Ranta**, Using global positioning system in agriculture, , Buletinul USAMV-CN, 58/2003(-) ISSN 1454-2382 (ISI Proceedings)



25. Molnar, A., V., Roș, S., Stănilă, **Ov. Ranta**, Research regarding utilization of finite element method in soil-tyre interaction studies, , Buletinul USAMV-CN, 58/2003(-) ISSN 1454-2382(ISI Proceedings)
26. 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(ISI Proceedings)
27. **Ranta Ov**, Mihaiu, I., Stănilă S., Molnar, A. The analysis of the constructive alternatives of disk-shares from the point of view of operating forces during direct drilling, Buletinul USAMV-CN, 58/2003(-) ISSN 1454-2382(ISI Proceedings)
28. Mihaiu, I., Naghiu Al., **Ranta Ov.**, Molnar, A., Producing and Using Possibilities for Biodiesel Fuel Made from Rape Seeds, Buletinul USAMV-CN, 57/2002(-) ISSN 1454-2382(ISI Proceedings)
29. Drocaș, I., Sârb V., Naghiu, Al., **Ranta Ov.**, The Study of Elements that Influence the Choice of Spraying Machines in Big Culture, Buletinul USAMV-CN, 57/2002(-) ISSN 1454-2382(ISI Proceedings)
30. Molnar, A., Roș, V., Stănilă S., **Ranta O.**, Study Regarding Soil Compaction by Tractors and Agricultural Implements, Buletinul USAMV-CN, 57/2002(-) ISSN 1454-2382(ISI Proceedings)
31. **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)

2.2. Articole BDI

1. Ioan Drocaș, **Ovidiu Ranta**, Adrian Molnar, Sorin Stănilă, : Cercetări teoretice și experimentale privind factorii care influențează precizia de semănat porumb utilizând agregatul U-650+SPC-6, Simpozionul internațional “Sisteme de lucrări minime a solului”, Universitatea de Științe Agricole și Medicină Veterinară, Cluj-Napoca, 21-23 oct. 1999 (BDI)
2. **Ovidiu Ranta**, Victor Roș, Ioan Mihaiu, Adrian Molnar Studiul comparativ al tehnologiilor de semănat, Simpozionul internațional “Sisteme de lucrări minime a solului”, Universitatea de Științe Agricole și Medicină Veterinară, Cluj-Napoca, 21-23 oct. 1999 (BDI)
3. Sarb,V.,Mihaiu, I., Gherman, V., Drocaș, I., Bărbieru, V., **Ranta, O.** Cercetări privind influența umidității solului și a plantei premergătoare asupra indicilor calitativi de lucru la arat, Simpozionul internațional “Sisteme de lucrări minime a solului”, Universitatea de Științe Agricole și Medicină Veterinară, Cluj-Napoca, 21-23 oct. 1999(BDI)
4. Stănilă, S., Roș, V., Coța, C., **Ranta O.**, Analiza factorilor de influență asupra consumului energetic la lucrările solului, Simpozionul internațional “Sisteme de lucrări minime a solului”, Universitatea de Științe Agricole și Medicină Veterinară, Cluj-Napoca, 21-23 oct. 1999(BDI)
5. Adrian Molnar, Victor Roș, Ioan Mihaiu, Sorin Stănilă, **Ovidiu Ranta.** Metode de evaluare a compactării solului, Simpozionul internațional “Sisteme de lucrări minime a solului”, Universitatea de Științe Agricole și Medicină Veterinară, Cluj-Napoca, 21-23 oct. 1999(BDI)

6. **Ovidiu Ranta**, Vasile Sârb, Încercări experimentale privind indicii calitativi de lucru și energetici ai agregatului U-445 + GMD-44, Simpozionul Facultății de Agricultură “Agricultură și alimentație-prezent și perspectivă”, Cluj-Napoca 17 Noiembrie 2000(BDI)
7. Adrian Molnar, Alexandru Naghiu, Sorin Stănilă, **Ovidiu Ranta**, Tyres used in agriculture and performance characteristics of agricultural tyres, Simpozionul Facultății de Agricultură “Agricultură și alimentație-prezent și perspectivă”, Cluj-Napoca 17 Noiembrie 2000(BDI)
8. Sorin Stănilă, Victor Roș, Ioan Mihaiu, Adrian Molnar, **Ovidiu Ranta** Aplicație-program pentru determinarea consumului de energie și a costurilor la lucrările solului, Simpozionul Facultății de Agricultură “Agricultură și alimentație-prezent și perspectivă”, Cluj-Napoca 17 Noiembrie 2000(BDI)
9. Sârb V., Gherman V., Drocaș I., Naghiu Livia, Bărbieru V., **Ranta O.**, Indici calitativi de lucru ai agregatului U-445 + grebla rotativă GR-2,4 Simpozion USAMV “Agricultură și Alimentație, prezent și perspective”, vol. I, pag. 192-197, Cluj-Napoca, 17 noiembrie 2000. (BDI)
10. Sârb V., Drocaș I., Gherman V., Naghiu Al., Naghiu Livia, Bărbieru V., Morar M., **Ranta O.**, Molnar A, *Cercetări privind optimizarea tehnologiei de recoltare a furajelor pentru fân în fermele private din zonele submontane ale Transilvaniei.* Poster Simpozion USAMV “Agricultură și Alimentație, prezent și perspective”, Cluj-Napoca, 17 noiembrie 2000.
11. **Ranta, O.**, Mihaiu, I., Stănilă, S., Molnar, A., Research regarding schaurer construction used for direct sowing machines, Buletin USAMV-CN, 55-56/2001, International Symposium „Prospects for the agriculture of the 3rd Millenium”, 25-27 Octombrie, 2001(BDI)
12. Sârb V., Bărbieru V., Drocaș I., Gherman V., **Ranta O.**, Haitău V Modern technologies for fodder plant harvesting in hilly and mountainous areas , Symposium “Prospects of the 3rd Millennium Agriculture”, volum 55-56, pag. 77-82, 2001
13. Molnar, A., Roș, V., Stănilă, S., **Ranta, O.**, Stress and displacement evaluation in soil-tyre interaction, Buletin USAMV-CN, 55-56/2001, International Symposium „Prospects for the agriculture of the 3rd Millenium, 25-27 Octombrie, 2001(BDI)
14. 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)
15. Stănilă, S., Mihaiu, I., **Ranta, O.**, Molnar, A., Comparative analysis of energetic cosumptions in classical and minimum soil tillage systems, Buletin USAMV-CN, 55-56/2001, International Symposium „Prospects for the agriculture of the 3rd Millenium, 25-27 Octombrie, 2001(BDI)
16. **Ranta O.**, Mihaiu I., Buzogany A., Stănilă S., Molnar A., Influența vitezei de deplasare a mașinilor de semănat direct asupra rezistenței la penetrare a solului, Simpozionul “Autovehiculul, mediul și mașina agricolă” Universitatea Tehnică Cluj-Napoca, 10-11 octombrie, 2002. (BDI)
17. Molnar A., Roș V., Stănilă S., **Ranta O.** Determinarea tensiunilor induse în sol la interacțiunea roților tractoarelor și mașinilor agricole cu solul, Simpozionul

- “Autovehiculul, mediul și mașina agricolă” Universitatea Tehnică Cluj-Napoca, 10-11 octombrie, 2002(BDI)
18. Stănilă S., Roș V., **Ranta O.**, Molnar A., Prelucrarea solului în sistem de conservare – parte integrantă în agricultura durabilă, Simpozionul “Autovehiculul, mediul și mașina agricolă” Universitatea Tehnică Cluj-Napoca, 10-11 octombrie, 2002. (BDI)
 19. 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)
 20. 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
 21. Drocaș, I., **Ranta, Ov.**, Testarea și diagnoza mașinilor de erbicidat, o cale de reducere a poluării, Simpozionul Științific al Facultății de Agricultură din cadrul Universității de Științe Agricole și Medicină Veterinară „Ion Ionescu de la Brad” Iași, 23-24 octombrie 2003(CAB)
 22. Drocaș I., Molnar A., **Ranta O.**, Stanila S., Marian O., Experiments regarding distribution uniformity, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2004.
 23. MI Ghereș, V Roș, Teodora Chira, LV Fecete, A Molnar, **O Ranta**, Technical and economical analysis of bioenergy production, Buletin USAMV-CN, 62/2006 (68-73) ISSN 1454-2382
 24. Chira Teodora, V Ros, M Gheres, L Fecete, **O Ranta**, A Molnar, THE POSIBILITIES OF ENERGETIC CROP USES IN ROMANIA Buletin USAMV-CN, 62/2006 (55-60) ISSN 1454-2382
 25. Drocaș I., Molnar A., **Ranta O.**, Marian O., The modernization of spraying machines, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2007. (Index Copernicus, CAB)
 26. **Ranta O.**, V. Ros, K. Koller, Stanila S., Molnar A., Marian O., The design of a rifle disc edge for no till machines, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2007. Index Copernicus, CAB
 27. Drocaș I., Marian O., **Ranta O.**, Guidance devices for field crops spraying machines, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2007. Index Copernicus, CAB
 28. Muntean M., Stanila S., **Ranta O.**, Molnar A., Adriana David, Drocaș I., Research regarding ethanol obtain by cattail rhizomes, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2007. Index Copernicus, CAB
 29. Molnar A., Drocaș I., **Ranta O.**, Stanila S., Study regarding biogas production for co-generation units, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2007. Index Copernicus, CAB
 30. **Ranta O.**, Drocaș I., Stanila S., Molnar A., Marian O., The utilization of sawdust as a source of energy, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2007. Index Copernicus, CAB
 31. Stanila S., **Ranta O.**, Molnar A., Influences of minimal tillage systems on soil compactation, Soil compaction-processes and consequences, Ed. Risoprint Cluj-Napoca, 2007. Index Copernicus, CAB

32. Molnar A., Drocas I., V. Ros, Stanila S., **Ranta O.**, Research on agricultural machines parameters influence on soil compaction, Soil compaction-processes and consequences, Ed. Risoprint Cluj-Napoca, 2007. Index Copernicus, CAB
33. **Ranta O.**, Drocas I., Stanila S., Molnar A., Penetration resistance of soil depends on the different coulter disc for no till, Soil compaction-processes and consequences, Ed. Risoprint Cluj-Napoca, 2007. (BDI)
34. Stanila S., Drocas I., Molnar A., **Ranta O.**, Equipment for testing the technical status of spraying machines, Buletinul USAMV Cluj-Napoca, Seria Agricultura, 2007.
35. Drocas I., Molnar A., **Ranta O.**, Stanila S., Strategical objectives regarding rational use of agrochemicals, International Conference "AGRICULTURAL AND FOOD SCIENCES, PROCESS AND TECHNOLOGIES" with the theme "AGRICULTURE AND FOOD INDUSTRY WITHIN THE EUROPEAN INTEGRATION", Sibiu, 2007.(BDI)
36. Molnar A., Drocas I., **Ranta O.**, Stanila S., Study regarding use of biogas in co-generation system, International Conference "AGRICULTURAL AND FOOD SCIENCES, PROCESS AND TECHNOLOGIES" with the theme "AGRICULTURE AND FOOD INDUSTRY WITHIN THE EUROPEAN INTEGRATION", Sibiu, 2007. (BDI)
37. Drocaș I., Marian, O., **Ranta O.**, Molnar A., Stanila S., "Modernization of the EEP-600 spraying machines in order to comply with the European Rules", Simpozionul INMATEH –Agricultură și Inginerie – Armonizarea cu cerințele europene, București, 2008 (CAB)
38. Ovidiu RANTA, Adrian MOLNAR, Mircea GHEREȘ, DEAC Teodora, The agriculture–as energy producer (B), ProEnvironment 2 (2008) 39 – 41
<https://core.ac.uk/download/pdf/276534652.pdf>
39. I Drocaș, O Ranta, O Marian, A Molnar, Influence of boom height and working pressure on distribution uniformity on the width of spraying machines, 2008, Research Journal of Agricultural Science 40 (2), 427-432
40. Drocas, I., **Ranta, O.**, Marian, O., Molnar, A. Muntean M. *Utilizarea unui stand modern pentru testarea si diagnosticarea masinilor de tratamente fitosanitare*; INMA Bucuresti, Agricultura si Inginerie,Nr.24, Ianuarie 2008 (BDI)
41. O Marian, O Ranta, A. M Molnar, M Muntean, The establishment of some parameters for the membrane and piston pumps, Bulletin of the University of Agricultural Sciences & Veterinary Medicine Cluj-Napoca Agriculture 2008, Vol. 65, Issue 1, p84-87. 4p. 2
Black and White Photographs, 2 Graphs.
<https://journals.usamvcluj.ro/index.php/agriculture/article/view/422>
42. **Ranta, Ov.**, I. Drocas, S. Stănilă , A. Molnar, Ov. Marian, FIELD EXPERIMENTS WITH SPC SEEDING MACHINE MODIFIED FOR NO-TILL TECHNOLOGY; Buletinul USAMV-CN, 65/2008(-) ISSN 1843-5246 (Index Copernicus, CAB)
<https://journals.usamvcluj.ro/index.php/agriculture/article/view/742>

43. Drocas, I., Molnar, A., Marian, O., Ranta, O., Muntean, M. Correlation of boom height with liquid pressure at nozzle in order to increase distribution uniformity of the working width of the mounted sprayers; Buletinul USAMV-CN, 65/2008(-) ISSN 1843-5246 (CAB)
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/700>
44. Ovidiu Ranta, 2008, Cercetări privind mecanizarea semănatului direct al porumbului în teren nearat
45. Drocas, I., Gheres M. Marian, O., Molnar, A. Ranta, O. Stanila S. *Influenta tipului de duza asupra gradului de acoperire la lucrarea de erbicidat* : INMA Bucuresti, Agricultura si Inginerie, Nr.24, Ianuarie 2008 (BDI)
46. 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)
<https://journals.usamvcluj.ro/index.php/agriculture/article/view/659>
47. Drocas, I., Ranta, O., Marian, O., Molnar, A. Influenta inaltimei rampei si a presiunii asupra uniformitatii de distributie pe latimea de lucru la masinile de erbicidat: Lucrari stiintifice Facultatea de Agricultura, USABT, Timisoara, 2008 (CAB)
48. Drocas I. Marian O. Ranta O. Molnar A. Stanila S. Perfectionarea principalelor elemente constructive ale echipamentelor de tip EEP 600 pentru respectarea normelor europene: Revista Mecanizarea Agriculturii Nr.4/2008, pg.29 (Index Copernicus, CAB)
49. Ranta Ov., Drocaș, I., Stănilă S., Molnar A., Marian Ov., Cercetări privind influența elementelor geometrice ale discurilor deschizătoare la semănat direct asupra contactului dintre sămânță și sol: Sisteme de lucrari minime ale solului, USAMV Cluj-Napoca, iulie 2008, Cluj-Napoca, Romania (CAB)
50. Ranta O. A.Molnar, M.Ghereș, Teodora Deac, The agriculture as energy producer A, ProEnvironment 2 2008 39-41
51. Stanila, S., Drocas, I., Molnar, A. Ranta, O., Analiza comparativa a consumurilor energetice la prelucrarea solului cu tehnologia clasica si cu tehnologia de conservare a solului: Sisteme de lucrari minime ale solului, USAMV Cluj-Napoca, iulie 2008, Cluj-Napoca, Romania (CAB)
52. Molnar, A., Ros, V., Drocas, I., Marian, O., Stanila S., Ranta, O. Determinarea experimentală a deformațiilor induse la lucrările solului datorită interacțiunii roata sol; Sisteme de lucrari minime ale solului, USAMV Cluj-Napoca, iulie 2008, Cluj-Napoca, Romania (CAB)
53. Sorin Stanila, Ioan Drocas, Adrian Molnar, Ovidiu Ranta, Test methods for spraying machines in order to reduce pollution, 43 Croatian and 3 International Symposium of Agriculture, Book of Abstracts, 2008 (CAB)
54. Stănilă, S., Drocaș, I., Marian, O., Molnar, A., Ranta, O. Adjustment of distribution uniformity for Atom-300 sprayer in order to reduce environmental pollution: Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, vol.

- 66(1)/2009, Editura AcademicPres, Cluj-Napoca, 2009 Index Copernicus, CAB, EBSCO etc
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/4306>
55. Molnar, A., Roş, V., Drocaş, I., **Ranta, O.**, Stănilă, S., Marian, O., Experimental researches regarding determination of soil cone index in a soil-tyre interaction process ; Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, vol. 66(1)/2009, Editura AcademicPres, Cluj-Napoca, 2009 (Index Copernicus, CAB, EBSCO etc)
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/4276>
56. Stănilă, S., Drocaş, I., Marian, O., Molnar, A., **Ranta, O.** , Equipment for testing and diagnose air assisted sprayers for orchards and vineyard: Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, vol. 66(1)/2009, Editura AcademicPres, Cluj-Napoca, 2009 Index Copernicus, CAB, EBSCO etc
<https://journals.usamvcluj.ro/index.php/agriculture/article/view/4288/3925>
57. M. MUNTEAN, I. DROCAS, S. STANILA, A. MOLNAR, **O. RANTA**, O. MARIAN, Aspects Regarding Gradular Systems Phenomrenon Flow from Tanks and Silo, Bulletin UASVM Agriculture, 66 (2)/2009 Print ISSN 1843-5246; Electronic ISSN 1843-5386
https://www.researchgate.net/publication/299393730_Aspects_Regarding_Gradular_Systems_Phenomrenon_Flow_from_Tanks_and_Silo
58. **Ranta, O.**, Drocaş, I., Stănilă, S., Molnar, A., Marian, O. 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, 2009 (Index Copernicus, CAB)
<https://www.semanticscholar.org/paper/Influence-of-Disc-Kinematic-Regime-Used-in-No-on-Ranta-Droca%C8%99/9a4f1fac41aeb50287ec369505bb2509d9ce182b>
59. Drocaş, I., Molnar, A., Marian, O., Stănilă, S., **Ranta, O.** Determination of distribution uniformity for EEP-600 sprayer equipped with IDK 120-02 nozzle; Proceedings, USAMV Bucureşti, Series A, Vol. LII, 2009 Index Copernicus, CAB, EBSCO etc
https://www.agrobucuresti.ro/images/Proiecte/2009/52_Determination_of_distribution_uniformity_for_EEP-600_sprayer_equiped_with_IDK_120-02_nozzle.pdf
60. Ioan Drocaş, Sorin Stanila, Mircea Munteanu, **Ovidiu Ranta**, Adrian Molnar, Ovidiu Marian, DETERMINATION OF FUNCTIONAL PARAMETERS OF THE SPRAYING MACHINE EEP-600 ME, Annals of the University of Craiova-Agriculture, Montanology, Cadastre Series, Volume 72, Numero 2, Pages 465=469.
https://www.agrobucuresti.ro/images/Proiecte/2009/52_Determination_of_distribution_uniformity_for_EEP-600_sprayer_equiped_with_IDK_120-02_nozzle.pdf
61. **Ranta, O.**, Drocaş, I., Stănilă, S., Molnar, A., Marian, O. , Analysis of Operating and quality Indices of Acord Optima E-drive direct seeding machine; Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, vol. 66(1)/2009, Editura AcademicPres, Cluj-Napoca, 2009 Index Copernicus, CAB, EBSCO etc

- <http://journals.usamvcluj.ro/index.php/agriculture/article/view/4266>
62. A Molnar, I Drocaș, O Ranta, S Stănilă, M Muntean. Studies Regarding the Set of Actions Needed for Fitosanitary Treatment in Order to Reduce the Environmental Impact. ProEnvironment Promediu 2 (4) 2009
<https://journals.usamvcluj.ro/index.php/promediu/article/view/3651>
63. Drocaș, I., Molnar, A., Marian, O., Muntean, M., Stănilă, S., **Ranta, O.** Influence of boom inclination angle on uniformity distribution for spraying machines; Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, vol. 66(1)/2009, Editura AcademicPres, Cluj-Napoca, 2009 (Index Copernicus, CAB, EBSCO etc)
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/4011>
64. Drocaș, I., Marian, O., **Ranta, O.**, Molnar, A., Stănilă, S. The influence of the working height and pressure on the uniformity of distribution for two nozzle types; Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, vol. 66(1)/2009, Editura AcademicPres, Cluj-Napoca, 2009 (Index Copernicus, CAB, EBSCO etc)
<https://www.cabdirect.org/cabdirect/abstract/20103050499>
65. Muntean, M. Drocaș I. Stanila S., Molnar A. **Ranta O.**, Marian O. Intermitent vibration effect in the separation with sifting of mix polidisperse systems used in food industry and animal science: Proceedings, USAMV București, Series A, Vol. LII, 2009 Index Copernicus, CAB, EBSCO etc
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/893>
66. Drocaș, I., Marian, O., **Ranta, O.**, Molnar, A., Stănilă, S., Muntean, M. Study regarding the air speed created by the axial fan of the orchard spraying machines, Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, vol. 67(1)/2010, Editura AcademicPres, Cluj-Napoca, 2010 Index Copernicus, CAB, EBSCO etc
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/5018/4825>
67. 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 Index Copernicus, CAB, EBSCO etc
68. Molnar, A., Roș, V., Drocaș, I., **Ranta, O.**, Stănilă, S., Marian, O. Experimental researches regarding determination of soil deformations for applied studies related with soil compaction, Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, vol. 67(1)/2010, Editura AcademicPres, Cluj-Napoca, 2010 Index Copernicus, CAB, EBSCO etc
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/5034>
69. Ioan DROCAȘ, Ovidiu MARIAN, **Ovidiu RANTA**, Sorin STĂNILĂ, Mircea Valentin Muntean, Research Regarding the Flow Rate and Pressure Variation for the Nozzles, Bulletin UASVM Agriculture, 68(1)/2011 Index Copernicus, CAB, EBSCO etc



- <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.848.1626&rep=rep1&type=pdf>
70. Ovidiu MARIAN, Ioan DROCAS, Ovidiu RANTA, Mircea MUNTEAN, Adrian MOLNAR, Determination of vertical Air speed and Analysis of the Liquid Distribution for ATOM 300 Orchard Spraying Machine, Buletin USAMV-CN, 68(1-2)/2011 (-) ISSN 1454-2382 pag. 64 Index Copernicus, CAB, EBSCO etc
<https://www.cabdirect.org/cabdirect/abstract/20123382612>
71. Teodor Rusu, Paula Ioana MORARU, Ovidiu RANTA, Ioan DROCAS, Ileana BOGDAN, Adrian POP and Mara Lucia SOPTEREAN, No-Tillage and Minimum Tillage- their Impact on Soil Compaction, Water Dyhamics, Soil Temperature and Production on Wheat, Maize and Soybean, Bulletin UASVM Agriculture, 68(1)/2011 Index Copernicus, CAB, EBSCO etc
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/6460>
72. Ioan DROCAȘ, Ovidiu MARIAN, Ovidiu RANTA, Sorin STĂNILĂ, Mircea MUNTEAN, Adrian MOLNAR, An Overview of the Gps Uses in Agriculture, Bulletin UASVM Agriculture, Volume 68.
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/6483/5776>
73. 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 etc
<https://journals.usamvcluj.ro/index.php/agriculture/article/view/6458/5750>
74. Adrian MOLNAR, Ioan DROCAS, Ovidiu RANTA, Sorin STANILA, 2012, Development of Software for Soil Compaction Assessment, Bulletin of the University of Agricultural Sciences & Veterinary Medicine Cluj-Napoca. Agriculture . 2012, Vol. 69 Issue 1, p88-93. 6p.
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/8661>
75. 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)/2012 (-) ISSN 1454-2382 , pag. 114
<https://journals.usamvcluj.ro/index.php/agriculture/article/view/8665>
76. 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.
<https://journals.usamvcluj.ro/index.php/agriculture/article/view/8697>
77. Ovidiu RANTA, Sorin STĂNILĂ, Adrian MOLNAR, Mircea MUNTEAN, Ovidiu MARIAN, 2012, The Main Advantages of E-Drive System Used for Precision Seeding, Bulletin of the University of Agricultural Sciences & Veterinary Medicine Cluj-Napoca. Agriculture . 2012, Vol. 69 Issue 1, p238-243. 6p.
<http://eds.b.ebscohost.com/abstract?site=eds&scope=site&jrnl=18435246&asa=Y&AN=83301419&h=2cd%2bQCVDrNqZali%2blqcoJtpcQy%2bpORBXgsOSKTMWrEloURB>



x3eoylVljCvXJAjTMUAJPbQV6M6Xtxyh5Q8J3DVw%3d%3d&crf=c&resultLocal=Err
CrlNoResults&resultNs=Ehost&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3de
host%26scope%3dsite%26authtype%3dcrawler%26jml%3d18435246%26asa%3dY%26
AN%3d83301419

78. **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.
https://www.google.com/search?q=+Variation+of+transversal+distribution+uniformity+for+EEP600me+in+corelation+with+boom+stability&rlz=1CIGGRV_enRO753RO753&ei=aY8TYbq_CZil9u8P96evyAk&oq=+Variation+of+transversal+distribution+uniformity+for+EEP600me+in+corelation+with+boom+stability&gs_lcp=Cgdnd3Mtd2l6EANKBAhBGABQx1YIG5g33NoAHAAeACAAZsBiAHApIBAzEuMpgBAKABAcABAQ&scient=gws-wiz&ved=0ahUKEwj6l5m4y6jyAhUYhP0HHffTC5kQ4dUDCA4&uact=5
79. Mircea Valentin MUNTEAN, Ioan DROCAS, **Ovidiu MARIAN**, Victor BARBIERU, **Ovidiu RANTA**, Aspects of Thermoplastics Extrusion In Food Procesing, Buletin USAMV-CN, 68(2)/2012 (-) ISSN 1454-2382 , pag. 318
<https://journals.usamvcluj.ro/index.php/agriculture/article/view/8779>
80. STĂNILĂ Sorin*, Ioan DROCAȘ, Adrian MOLNAR, **Ovidiu RANTA**, Studies Regarding Comparative Fuel Consumption at Classical and Conservation Tillage, ProEnvironment 6 (2013) 199 - 202, Cluj Napoca, Romania, ISSN 2066-1363, 2013 Index Copernicus, CAB, EBSCO etc
<http://journals.usamvcluj.ro/index.php/promediu/article/viewFile/9882/8232>
81. Ioan Drocas, O.Marian, C.Costea, **O.Ranta**, S.Stanila, M.Muntean, Researches Regarding the Influence of Pressure on Uniformity of Distribution for New Types of Nozzles Buletin USAMV serie Agriculture 70 (1), Cluj-Napoca, Romania, ISSN 1843-5386,2013 Index Copernicus, CAB, EBSCO etc
<https://www.cabdirect.org/cabdirect/abstract/20143023031>
82. Adrian MOLNAR, Ioan DROCAȘ, **Ovidiu RANTA**, Sorin STĂNILĂ, Development of Software Application for the Assessment of Agricultural Traffic, Bulletin UASMV serie Agriculture 70(1)/, 180-185, Print ISSN 1843-5246; Electronic ISSN 1843-5386,2013 Index Copernicus, CAB, EBSCO etc
<https://core.ac.uk/download/pdf/276533299.pdf>
-
83. **RANTA Ovidiu**, Ioan DROCAȘ, Sorin STANILA, Adrian MOLNAR, Mircea MUNTEAN, Ovidiu MARIAN Comparative Analysis of Distribution Devices Used for Precision Sowing Machines, ProEnvironment 6 (2013) 159 - 163, Cluj Napoca, Romania, ISSN 2066-1363, 2013 Index Copernicus, CAB, EBSCO etc
<http://journals.usamvcluj.ro/index.php/promediu/article/view/9874>
84. **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 UASMV serie Agriculture 70(1)/2013, 173-179, Print ISSN 1843-5246; Electronic ISSN 1843-5386 Index Copernicus, CAB, EBSCO etc
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/9782>
85. Ovidiu MARIAN, Ioan DROCAȘ, Cristian COSTEA, Ovidiu RANTA, Sorin STĂNILĂ, Mircea MUNTEAN, Researches Regarding the Influence of Height on Uniformity of Distribution of New Types of Nozzles Print ISSN 1843-5246; Bulletin UASMV serie Agriculture 70(1)/, 186-191 Electronic ISSN 1843-5386, 2013 Index Copernicus, CAB, EBSCO etc
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/9784>
86. Mircea-Valentin MUNTEAN, Ovidiu MARIAN, Ovidiu RANTA, Ioan DROCAS, The Influence of Hammer Type Used in Grinding Mills on Grist Fineness, Bulletin UASVM Food Science and Technology 70(1)/2013, 53-57 Index Copernicus, CAB, EBSCO etc.
<https://journals.usamvcluj.ro/index.php/fst/article/view/9355/7907>
87. Ioan DROCAȘ, Ovidiu MARIAN, Sorin STĂNILĂ, Ovidiu RANTA, Adrian MOLNAR, 2014, Research Regarding the Assessment of the Coverage Degree for Phytosanitary Treatments Using Different Types of Nozzles, Bulletin USAMV series Agriculture 71(2)/2014, Romania, Print ISSN 1843-5262; Electronic ISSN 1843-
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/10890>
88. Ioan DROCAȘ, Ovidiu MARIAN, Ranta OVIDIU, Adrian MOLNAR, Mircea MUNTEAN, 2014, Determination of Specific Energy Consumption and Grain Size for Corn Grinding Using the Hammer Mill MB7,5, Cluj Napoca, Bulletin USAMV series Agriculture 71(2)/2014, Romania, Print ISSN 1843-5262; Electronic ISSN 1843-536X , 2014
https://www.researchgate.net/publication/315346474_Determination_of_Specific_Energy_Consumption_and_Grain_Size_for_Corn_Grinding_Using_the_Hammer_Mill_MB75
89. 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, 2014
[http://www.uaiasi.ro/revagrois/PDF/2014-1/paper/2014-57\(1\)_29-en.pdf](http://www.uaiasi.ro/revagrois/PDF/2014-1/paper/2014-57(1)_29-en.pdf)
90. Muntean M.V., O. Marian, I. Drocaș, O. Ranta, 2014, The influence of pto (power take off) speed on pressure and flow variation on the spraying machines , Agricultura – Știință și practică Vol 89 nr 1-2, Cluj Napoca, Romania, ISSN 1221-5317, 2014.
[https://www.semanticscholar.org/paper/THE-INFLUENCE-OF-PTO-\(POWER-TAKE-OFF\)-SPEED-ON-AND-Muntean](https://www.semanticscholar.org/paper/THE-INFLUENCE-OF-PTO-(POWER-TAKE-OFF)-SPEED-ON-AND-Muntean)
91. E.M. Nagy , S. Bungescu , O. Ranta , P.V. Boros, 2015, Implementation status of mandatory inspection of sprayers in Romania, Revista Julius-Kühn, nr 449/2015, Germania
https://www.researchgate.net/publication/307769125_Implementation_status_of_mandatory_inspection_of_sprayers_in_Romania



92. Ovidiu MARIAN, Ioan DROCAȘ, Adrian MOLNAR, Mircea MUNTEAN, Ovidiu RANTA, 2015, Research on the changed operating parameters during operation mmat 110-03 and idk 120-04 nozzles, The 14th International Symposium PROSPECTS FOR 3rd MILLENNIUM AGRICULTURE 24 - 26 September, 2015 Cluj-Napoca, Romania
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/10890/9004>
93. Ioan DROCAȘ, Ovidiu MARIAN, Sorin STĂNILĂ, Ovidiu RANTA, Adrian MOLNAR,, 2015, Research Regarding the Assesment of the Coverage Degree for Phytosanitary Treatments Using Different Types of Nozzles, Research Regarding the Assessment of the Coverage Degree for Phytosanitary Treatments Using Different Types of Nozzles
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/10890/9004>
94. Ioan Rotar, Mirela Cirebea, Roxana Vidican, Florin Păcurar, Anamaria Mălinaș, Ovidiu Ranta, 2015, Productivity of Festuca rubra L.–Agrostis capillaris L. Grasslands, Bulletin USAMV series Agriculture 72(2)/2015 Print ISSN 1843-5246; Electronic ISSN 1843-5386 DOI 10.15835/buasvmcn-agr: 11565
https://www.researchgate.net/publication/287358617_Productivity_of_Festuca_rubra_L_-_Agrostis_capillaris_L_grasslands
95. Mirela Cirebea, Ioan Rotar, Roxana Vidican, Florin Păcurar, Anca Dorina Plesa, Ovidiu Ranta, 2015, Changes in phyto-diversity on Festuca rubra l.–Agrostis capillaris l. Grasslands, Bulletin USAMV series Agriculture 72(2)/2015 Print ISSN 1843-5246; Electronic ISSN 1843-5386 DOI 10.15835/buasvmcn-agr: 11564.
<https://journals.usamvcluj.ro/index.php/agriculture/article/view/11564>
96. Victor Adrian Bărbieru, Mihai Olar, Ovidiu Ranta, Mircea Muntean, Ovidiu Marian, Laurenț Ognean, Georgiana Cătunescu, Influence of Climate Factors and Plant Varieties on the Hay Technology (Fibrous Feed) Buletin USAMV CN, series Agriculture 73(2) 2016, pag 149-15269.
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/12404>
97. Mirela CIREBEA, Ioan ROTAR, Roxana VIDICAN, Florin PĂCURAR, Anamaria MALINAS, Ovidiu RANTA, Characterization Phyto-Socio-Ecological of Agrostis capillaris L. Grasslands - Bulletin UASVM series Agriculture 73(2)/2016
https://www.researchgate.net/publication/311784229_Characterization_Phyto-Socio-Ecological_of_Agrostis_capillaris_L_Grasslands
98. Ioan ROTAR, Mirela CIREBEA*, Roxana VIDICAN, Florin PĂCURAR, Anamaria MALINAȘ, Ovidiu RANTA, Mineral Fertilization with UAN on Natural Grassland Festuca rubra L. with Agrostis capillaries L. - Bulletin UASVM series Agriculture 73(2)/2016
<http://journals.usamvcluj.ro/index.php/agriculture/article/view/12449/10113>
99. Rotar Ioan, Cirebea Mirela, Păcurar F., Vidican Roxana, Malinas Anamaria, Ranta O., Mineral And Organic Fertilization Influence On Festuca Rubra - Agrostis Capillaris

- Natural Meadow- Romanian Journal of Grassland and Forage Crops (2016)13, ISSN 2068 – 3065 (Print)
https://sropaj.ro/documente/ro/revista/articole/RJGFC-13-2016_art-5.pdf
- 100.ROMAN Raoul Alin, Ioan OROIAN*, Ovidiu RANTA, Antonia ODAGIU, Daniela BORDE, The Study of the Efficacy of Wheat Herbicidation. Note II: The Use of Compact Nozzle with Air Injection IDK-, ProEnvironment 10 (2017) 81 – 85
<https://journals.usamvcluj.ro/index.php/promediu/article/view/12915>
- 101.ROMAN Raoul Alin, Ioan OROIAN*, Ovidiu RANTA, Antonia ODAGIU, Daniela BORDEA, The Study of the Efficacy of Wheat Herbicidation. Note I: The Use of Multifunctional Nozzle with Laminar Jet of LU Type- ProEnvironment 10 (2017) 76 – 80
<https://journals.usamvcluj.ro/index.php/promediu/article/view/12914>
- 102.CRIȘAN Valentin Dan, Sorin STĂNILĂ * , Ovidiu RANTA, Ovidiu MARIAN, Adrian MOLNAR-IRIMIE, Victor BĂRBIERU, Călin TOPAN, Researches Regarding the Degree of Coverage When Executing Phytosanitary Treatments with Atom 1000 Sprayer-, ProEnvironment 11 (2018) 158-161, Cluj Napoca, Print ISSN: 1844-6698, Electronic ISSN: 2066-1363.
<https://journals.usamvcluj.ro/index.php/promediu/article/view/13200>
- 103.PLEȘA Anca, VIDICAN Roxana, STOIAN Vlad, GHEȚE Alexandru, MOLDOVAN Cristina, FLORIAN Vasile, FLORIAN Teodora, RANTA Ovidiu, MARIAN Ovidiu, Behaviour of Some Maize Hybrids Under Cojocna Conditions- PROCEEDINGS OF THE International Scientific Congress “Life sciences, a challenge for the future”17th -18th October, Iasi, Romania
- 104.MARȚIȘ Georgiana, Ovidiu RANTA*, AdriaMOLNAR, Adrian PĂCURAR, Analysis of Synthetic Aperture Radar for Agriculture Applications: A Review- 2019 ProEnvironment 12 240-24519
<https://journals.usamvcluj.ro/index.php/promediu/article/view/13670>
- 105.MOLNAR-IRIMIE Adrian, Ovidiu RANTA*, Ovidiu MARIAN, Daniel PĂCURAR, Georgiana MARȚIȘ, Sorin STĂNILĂ, Studies on Using Optical Sensors in Agricultural Production- ProEnvironment 12 (2019) 246-249
<https://journals.usamvcluj.ro/index.php/promediu/article/view/13671>
- 106.AD Păcurar, O Ranta, A Molnar, O Marian, M Duda, RA Sabo, G Petruț, Green seeker, an automatic control system for variable rate fertilizer application. a bibliographic study. ProEnvironment 12 (38), 116-120
<https://journals.usamvcluj.ro/index.php/promediu/article/view/13636>
- 107.STĂNILĂ Sorin, O RANTA, A MOLNAR, VD CRIȘAN, O MARIAN, A STĂNILĂ, Influence of Ploughing on Soil Apparent Density, Humidity and Water Reserve. ProEnvironment Promediu 12 (38)-2020
<https://journals.usamvcluj.ro/index.php/promediu/article/view/13633>
- 108.M Ovidiu, M MUNTEAN, O RANTA, A MOLNAR, V CRIȘAN, Sensors Used to Determine Physical Soil Properties. ProEnvironment Promediu 12 (38)-2020

- <https://journals.usamvcluj.ro/index.php/promediu/article/view/13669/11249>
109. VOEVOD Mihai, Adriana Paula David*, **RANTA O**, TOPAN C, Maria Olivia MOLDOVAN, Cristina GLIGA, Alexandru NAGHIU, Svetlana Micle, Sorin VÂTCĂ, Study On Meteorological Parameters (Temperature And Precipitation) In Cluj Napoca In The Interval 2015-2020, Agricultura no. 3 – 4-2020 (115-116)
<https://journals.usamvcluj.ro/index.php/agricultura/article/view/13914>
110. VOEVOD Mihai, **Ovidiu RANTA***, Adrian MOLNAR, Ovidiu MARIAN, A.B GHEȚE, 2020, Study On Factors That Influence Water Erosion On Agricultural Land – Review, , Agricultura no. 3 – 4-2020 (115-116)
<https://journals.usamvcluj.ro/index.php/agricultura/article/view/13913>
111. VOEVOD M., DÎRJA M, Maria MOLDOVAN, Adriana DAVID, C TOPAN, **O. RANTA**, Iulia ARION, M. SĂBĂDAȘ, Adela HOBLE, Mihaela REBREAN, 2020, Rooting Efficiency Researches For The Campsis Radicans Species Used For Improving Slopes Revista Agricultura, Cluj-Napoca, Romania, no. 1 - 2 (113-114)/ 2020
<https://journals.usamvcluj.ro/index.php/agricultura/article/view/13805>
112. **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
<https://www.incda-fundulea.ro/rar/nr38/rar38.26.pdf>

Cluj-Napoca
02.07.2021

Conf. dr. ing. Ovidiu Ranta

