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Lucrări științifice

Număr total: 135

1. **Rotaru Liliana**, Stoleru Vasile, Mustea Mihai, 2011- *Fertilization with green manure on Chasselas doré variety, as an alternative for sustainable viticulture* Journal of Food, Agriculture & Environment, Volume 9, no. 3&4, July-October 2011, pp. 236-243, WFL Publisher, Helsinki, Finland, Print ISSN: 1459-0255 / Online ISSN: 1459-0263.
2. **Rotaru Liliana**, Filipov Feodor, Mustea Mihai, Stoleru Vasile, 2010 - *Influence of some "Terroir Viticole" Factors on Quantity and Quality of Grapes*. Rev. Notulae Botanicae Horti Agrobotanici Cluj Napoca, 2010 Volume 38 Issue 1, Print ISSN 0255-965X; Electronic ISSN 1842-4309, pp. 176-181.
3. **Rotaru Liliana**, 2009 - *Identifying the phenotypic resemblances of the vine breeds by means of cluster analysis*. Rev. Notulae Botanicae Horti Agrobotanici Cluj Napoca, 2009 Volume 37 Issue 1, Print ISSN 0255-965X; Electronic ISSN 1842-4309, pp. 249-252.
4. **Rotaru Liliana**, Stoleru Vasile, Filipov Feodor, Mustea Mihai, Petrea Gabriela, 2011 - *The Influence of the "Terroir" Concerning the Quantity and Quality of Grapes Yield at White Grapevine Varieties Growing in the Iasi Vineyard*. Journal of Life Sciences, vol. 5, no. 8, pp. 646-653, David Publishing Company, Illinois, USA, 1934-7391 (Print) 1934-7405 (Online).
5. **Rotaru Liliana**, Cotea V. Valeriu, Amăriucăi Mircea, Machidon Ovidiu, Colibaba Cintia, Vasile Anuța, 2011 - *Spatial-temporal variation of some viticultural climatic*

parameters in the Moldavian hills region. Proceedings of the 34th World Congress of Vine and Wine OIV 2011, 20-27 June, Porto, Portugal, ISBN 978-989-20-2449-3

6. **Rotaru Liliana**, Cotea V. V., Mustea M., Buburuzanu C., Zamfir C.I., Gherghina Nicoleta, 2010 - *Agro-biological and technological value of some grape varieties (Vitis vinifera L.) from Caucasus, in the agro-pedo-climatic conditions of north-east Romania*. XXXIIIth – World Congress of Vine and Wine OIV, Tbilisi-Georgia, 20-25 June, ISBN 978-9941-0-2555-6, DVD-ROM.

7. **Rotaru Liliana**, 2010 - *Development correlations of the buds of grapevine (Vitis vinifera L.)*. Notulae Scientia Biologicae, no. 2, pp. 87-91, AcademicPres, Cluj-Napoca, Romania.

8. **Rotaru Liliana**, Cotea V. V., Colibaba Cintia, Nechita B., Mustea M., Chiriță Otilia, 2009 - *Phenotypical and agrobiological variability of Frâncușă grape variety (Vitis vinifera L.)*. XXXIIth – World Congress of Vine and Wine OIV, Zagreb - Croatia, 28 June-3 July, DVD-ROM, ISBN 978-953-6718-12-2.

9. **Rotaru Liliana**, Cotea V. V., Mustea M., Vasile Ancuța, Colibaba Cintia, Zamfir C., Buburuzanu C., 2009 - *New vinifera creations for red wines in the restrictive conditions of culture in the north-eastern area of Romania*. XXXIIth - World Congress of Vine and Wine OIV, Zagreb - Croatia, 28 June - 3 July, DVD-ROM, ISBN 978-953-6718-12-2.

10. **Rotaru Liliana**, Stoleru V., Filipov F., Mustea M., Petrea Gabriela, 2009 - *The influence of the "terroir" concerning the quantity and quality grapes yield at white grapevine varieties growing in the Iasi vineyard*. XXXIXth European Society for New Methods in Agricultural Research (ESNA) Congress, Brno, Czech Republic, 25th - 29th August 2009, ISBN 978-80-7375-319-1.

Cărți și manuale universitare

Număr total: 8

1. **Rotaru Liliana**, Vasile Ancuța, Nechita Bogdan, Niculaua Marius, Colibaba Cintia, 2011 - *Modernizarea tehnologiei de obținere și valorificare a strugurilor de masă prin implementarea sistemului european de calitate Eurepgap*. Editura "Ion Ionescu de la Brad", Iași, ISBN 978-973-147-090-0.
2. **Rotaru Liliana**, Stoleru Vasile, 2011 - *Bazele producției viticole în sistem ecologic*. Editura Performatica, Iași, ISBN 978-973-730-897-9.
3. Damian Doina, **Rotaru Liliana**, Nechita Ancuța, Savin Costică, 2011 - *Ampelografie - Metode și metodologii de descriere și recunoaștere a soiurilor de viță de vie*. Editura Pim, Iași, ISBN 978-606-130-618-3.
4. **Rotaru Liliana**, 2009 - *Soiuri de viță de vie pentru struguri de vin*. Editura "Ion Ionescu de la Brad", Iași, 294 p., ISBN 978-973-147-030-6.
5. Dobrei Alin, **Rotaru Liliana**, Morelli Silvano, 2008 – *Ampelografie*. Editura "Solness", Timisoara, 385 p., ISBN 978-973-729-120-2.
6. Dobrei Alin, **Rotaru Liliana**, Mustea Mihai, 2005 – *Cultura viței de vie*. Editura "Solness", Timisoara, 336 p., ISBN 973-729-031-3.
7. Țârdea Constantin, **Rotaru Liliana**, 2003 - *Ampelografie vol. I (ampelografia generală și vițele portaltoi)*. Editura "Ion Ionescu de la Brad", Iași, 181 p., ISBN 973-8014-94-8.

8. Țârdea Constantin, **Rotaru Liliana**, 2003 - *Ampelografie vol. II (soiurile pentru struguri de masă și soiurile apirene)*. Editura "Ion Ionescu de la Brad", Iași, 246 p., ISBN 973-7921-01-1.

Granturi și contracte de cercetare

Număr total: 21

1. FS POSCCE 163/15.06.2010 - *Analysis of opportunities for adaptation of ecosystems Romanian wine in the new competitive context and environment*, years 2010-2013, responsible for viticulture area research;
2. POSDRU /CPP107/DMI1.5/S/77222 - *Improvement and Human Resource Development Research and Innovation in Doctoral School*, years 2010-2013, member;
3. POSDRU/89/1.5/S/62371 - *Postdoctoral school for agriculture and veterinary medicine*, years 2010-2012, member.
4. PN II IDEI program, contract no. 1100/2009 - *Promotion of sustainable viticulture in the north-east area of Romania*, years 2009-2011, program manager;
5. PN II Capacities program, contract no. 52113/15.09.2008 - *Modernizing the technology of obtaining and valorizing table grapes by implementing the EUREPGAP european quality system in order to ensure the food traceability and safety*, years 2009-2011, program manager.
6. PN II Capacities program, contract no. 52116/15.09.2008 - *Collecting, preserving and monitoring of the autochthonous grapevine genetic resources from the eastern and south-eastern part of the country*, years 2009-2011, partenarial coordinator.
7. PN II Capacities program, contract no. 52174/15.09.2008 - *Recovery of spontaneous flora biodiversity in Romania, in order to enrich the range of ornamental plants*, years 2009-2011, member;
8. PN II Capacities program, contract no. 51003/18.09.2007 - *Study of genetic polymorphism in cultivated grape varieties to determine the genetic footprint of wine*, years 2007-2010, member.
9. Grant CNCSIS code 610, type A - *Establishing the enzymatic profile of vine clones obtained in Romania in order to certify their authenticity*, years 2006-2008, program manager.
10. Grant CNCSIS code 738, type A - *The durable management of soil resources in Moldavian colinar plain*, years 2007-2008, member.
11. Research project, type CEEX, module 1 no. 682 - *Development of the traceability system in the vine and wine making sector for improving alimentary safety*, years 2005-2008, scientific manager.
12. Research project, type CEEX, module 1 no. 251 - *Valorization of viticulture lands from the hilly part of Moldavia for developing a sustainable agriculture*, years 2005-2008, member.
13. Research project, type CEEX, module 1 no. 117 - *Study of wine stabilization and conditioning through cold plasma treatment*, years 2007-2009, member.
14. Grant CNCSIS code 1206, type A - *Characterisation of the varieties and the grafted vines selection through the study of the enzymatic profile of the shoots, with help of electrophoresis*, years 2003-2006, program manager.

15. Grant CNCSIS code 1222, type A - *Testing the hepatoprotecting, mineralized, chemopreventing and antiparasitic capacity of some drugs obtained from plants*, years 2003-2005, member.

16. ANSTI Grant no. 7074/2001 Theme 4 (contract type AT, CNCSIS code 33/2002) - *Applying the informatic methods of investigation of the genetic resources of the vines through the ampelometric study of the new creations and of the native grape varieties*, years 2001-2002, program manager.

17. ANSTI Grant no. 7074/2001 Theme 1 (contract type AT, CNCSIS code 95/2002) - *Research on the cultural model of the industrial type and the cultural model of ecological essence of the vine in the north-east of Moldavia*, years 2001-2002, member.

18. Grant CNCSIS code 430, type A - *Investigation of the genom of the native grapevine varieties through enzymatic analysis*, years 2001-2003, member.

19. Grant CNCSU code 154 - *Preservation through plasticizing of the vegetative organs of the grapevine varieties in order to study them from the point of view of ampelography*, years 1999-2000, member.

20. Grant CNCSU code 148 - *Compared ampelography research on the native grape varieties in order to introduce them in the informational system of OIV*, year 1998, member.

21. Ministry of Education research grant no. 4023/1995, subject B/12, program code 6 - *Biological, ecological and technical research in the wine ecosystems of the Moldavian vineyards*, year 1995, member.

Competențe

- Ampelografie;
- Viticultură;
- Soiuri de viță de vie;
- Culturi viticole ecologice;
- Genetica și ameliorarea viței de vie.

Domenii de cercetare

- Tehnologiile de cultură ale viței de vie;
- Investigarea genomului la vița de vie
- Evaluarea potențialului biologic și agroproductiv al soiurilor viță de vie;
- Ecologie și fiziologie viticolă;
- Trasabilitatea în sectorul viti-vinicol.

Coordonare organisme administrative sau academice

- Prodecan Facultatea de Horticultură: din 2012
- Director al Departamentului de Practică - 2009- 2012

Apartenența la asociații științifice și profesionale naționale și internaționale

- Societatea Română a Horticultorilor - 1997;
- Societatea de Istorie și Retrologie Agrară din România - 2010;
- Asociația „Amicii Rozelor” din România - 2012
- Chaire UNESCO «Culture et Tradition du Vin», Université de Bourgogne, Franța - 2007
- Expert tehnic al României la Organizația Internațională a Viei și Vinului - 2011