

L I S T A
lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

1. **Cosmulescu Sina Niculina**. 2000. Contributii privind biologia înfloritului și polenizării la nuc (*Juglans regia* L.). USAMV București, 235 pg.

Teza de abilitare

2. **Cosmulescu Sina Niculina**. 2014. Insights on diversity, relationships with environmental factors, nutritional and medicinal qualities of walnut (*Juglans regia* L.). USAMV București

B. Cărți și capitole în cărți publicate în ultimii 10 anii

1. **Cosmulescu Sina Niculina**. 2014. Pomicultura ornamentală. Ed. Sitech ISBN 978-606-11-4351-1
2. **Cosmulescu Sina Niculina**. 2008. Ecologia sistemelor antropice pomicele, Editura Sitech Craiova, 350 pg.
3. **Cosmulescu Sina Niculina**, Costea Dorin. 2009. Noțiuni de bioremediere. Ed. Sitech ISBN 978-606-530-639-4
4. **Cosmulescu Sina Niculina**. 2005. Protecția mediului în ecosistemele pomicele (editie revizuita), Editura Sitech Craiova, 350 pg.

C. Lucrări indexate ISI/BDI publicate în perioada 2011-2016

Articole în reviste cotate ISI Thomson Reuters

1. Nour V., Trandafir I., **Cosmulescu S.** 2016. Optimization of ultrasound-assisted hydroalcoholic extraction of phenolic compounds from walnut leaves using response surface methodology. *Pharmaceutical biology*, 1-12.
<http://www.tandfonline.com/doi/abs/10.3109/13880209.2016.1150303>
2. Trandafir I., **Cosmulescu S.**, Botu M., Nour V. 2016. Antioxidant activity, and phenolic and mineral contents of the walnut kernel (*Juglans regia* L.) as a function of the pellicle color. *Fruits*, 71(3), 177-184.
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3. Nour V., Trandafir I., **Cosmulescu S.** 2015. Central composite design applied to optimize the hydroalcoholic extraction of bilberry (*Vaccinium myrtillus* L.) fruits. *Journal of Food Biochemistry* 39:179-188.
<http://onlinelibrary.wiley.com/doi/10.1111/jfbc.12119/abstract;jsessionid=>
4. **Cosmulescu S.**, I. Trandafir, V. Nour, M. Botu. 2015. Total phenolic, flavonoids distribution and antioxidant capacity in skin, pulp and fruit extracts of plum cultivars. *Journal of Food Biochemistry* 39:64-69
<http://onlinelibrary.wiley.com/doi/10.1111/jfbc.12112/abstract>
5. **Cosmulescu Sina**, Ion Trandafir, Violeta Nour, Mira Ionica, Felicia Tutulescu. 2014. Phenolics content, antioxidant activity and color of green walnut extracts for preparing walnut liquor. *Not. Bot. Hort. Agrobot. Cluj* 42(2):551-555.
<http://www.notulaebotanicae.ro/index.php/nbha/article/view/9649/7767>
6. **Cosmulescu S.**, Trandafir I., Nour V. 2014. Influence of the extraction solvent on antioxidant capacity and total phenolic in currant fruits. *Journal of Applied Botany and Food Quality* 87:206-209
<http://pub.jki.bund.de/index.php/JABFQ/article/view/3018>
7. Nour Violeta, Trandafir Ion, **Cosmulescu Sina**. 2014. Antioxidant capacity, phenolic compounds and minerals content of blackcurrant (*Ribes nigrum* L.) leaves as influenced by harvesting date and extraction method. *Industrial Crops and Products* 53:133-139.
<http://www.sciencedirect.com/science/article/pii/S0926669013006997>

8. **Cosmulescu Sina**, Ion Trandafir, Violeta Nour. 2014. Seasonal variation of the main individual phenolics and juglone in walnut (*Juglans regia*) leaves. *Pharmaceutical Biology* 52(5):575-580. <http://www.ncbi.nlm.nih.gov/pubmed/24251848>
9. Violeta Nour, Ion Trandafir, **Sina Cosmulescu**. 2013. HPLC determination of some phenolic acids, flavonoids and juglone in walnut leaves. *Journal of Chromatographic Science* 51(9):883-890. <http://chromsci.oxfordjournals.org/content/early/2012/11/06/chromsci.bms180.full.pdf>
10. Ionica Mira Elena, Nour Violeta, Trandafir Ion, **Cosmulescu Sina**, Botu Mihai. 2013. Physical and chemical properties of some european plum cultivars (*Prunus domestica* L.). *Not Bot Horti Agrobi* 41(2):499-503. <http://www.notulaeobotanicae.ro/index.php/nbha/article/view/9354>
11. **Cosmulescu Sina**, Mihai Botu, Ion Trandafir. 2013. The mineral source for human nutrition of nuts in different hazelnut (*Corylus avellana* L.) cultivars. *Not Bot Horti Agrobi* 41(1):1-6. <http://www.notulaeobotanicae.ro/index.php/nbha/article/view/8307/7587>
12. **Cosmulescu Sina Niculina**, Mihai Botu. 2012. Walnut biodiversity in South-Western Romania - resource for perspective cultivars. *Pakistan Journal of Botany* 44(1): 307-311. [https://docs.google.com/viewer?a=v&q=cache:MQ8qg4wuZ1sJ:www.pakbs.org/pjbot/PDFs/44\(1\)/44.pdf](https://docs.google.com/viewer?a=v&q=cache:MQ8qg4wuZ1sJ:www.pakbs.org/pjbot/PDFs/44(1)/44.pdf)
13. **Cosmulescu Sina**, Botu Mihai, Achim Gheorghe. 2012. Determination of apomictic fruit set ratio in some Romanian walnut (*Juglans regia* L.) Cultivars. *Not. Bot. Hort. Agrobot. Cluj* 40(1):229-233. <http://notulaeobotanicae.ro/nbha/article/viewFile/6407/6812>
14. **Cosmulescu S.**, Trandafir I. 2012. Anti-oxidant activities and total phenolics contents of leaf extracts from 14 cultivars of walnut (*Juglans regia*). *Journal of Horticultural Science & Biotechnology* 87(5):504-508. http://www.jhortscib.org/Vol87/87_5/18.htm
15. **Cosmulescu Sina Niculina**, Trandafir Ion. 2011. Seasonal variation of total phenols in leaves of walnut (*Juglans regia* L.). *Journal of Medicinal Plants Research* 5(19):4938-4942. <http://www.academicjournals.org/jmpr/PDF/pdf2011/23Sept/Cosmulescu%20and%20Trandafir.pdf>
16. **Cosmulescu, S.**; Trandafir, I.; Achim, G.; Baci, A. 2011. Juglone content in leaf and green husk of five walnut (*Juglans regia* L.) cultivars. *Not. Bot. Hort. Agrobot. Cluj* 39(1):237-240. <http://notulaeobotanicae.ro/nbha/article/viewFile/5728/5571>
- Articole în reviste indexate ISI Proceedings**
17. Botu, M., Achim, G., **Cosmulescu, S.**, Tsampas, T. and Botu, I. 2014. The influence of ecological conditions and genotype on walnut yield north of Oltenia - Romania. *Acta Hort. (ISHS)* 1050:271-276 http://www.actahort.org/books/1050/1050_36.htm
18. **Cosmulescu, S.**, Botu, M., Achim, G., Baci, A., Gruia, M. and Trandafir, I. 2014. Polyphenol content in walnut (*Juglans regia* L.) mature leaves. *Acta Hort. (ISHS)* 1050:205-212 http://www.actahort.org/books/1050/1050_26.htm
19. Baci, A., I Botu, S Cosmulescu, M Gruia. 2013. Study on the Behavior of the Competition in a New Crop of Cultivars and Hybrids of Plums under the Sands of Oltenia. *Acta Horticulturae* 981: 99-103 http://www.actahort.org/books/981/981_10.htm
20. Botu, I., Botu, M., Papachatzis, A., **Cosmulescu, S.**, Preda, S. 2012. Evolution of plum culture; constraints and perspectives . *Acta Hort. (ISHS)* 968:19-24. http://www.actahort.org/books/968/968_1.htm
21. Baci, A., Ciobanu, A., Botu, I., **Cosmulescu, S.**, Gruia, M. and Tudor, I. 2012. Evaluation of the cultivar/rootstock combination rooting system for plum cultivars grown in the central area of Oltenia. *Acta Hort. (ISHS)* 968:125-132. http://www.actahort.org/books/968/968_17.htm
- Articole indexate în baze de date internaționale**
22. **Sina Cosmulescu**, M. Gruia. 2016. Climatic variability in Craiova (Romania) and its impacts on fruit orchards. *South-West J Hortic Biol Environ* 7:15-26. <http://biozoojournals.ro/swjhbe/onf.html>
23. **Sina Cosmulescu**, Ion Trandafir, Violeta Nour. 2015. Mineral composition of fruit in black and red currant. *South-West J Hortic Biol Environ* 6:43-51. <http://biozoojournals.ro/swjhbe/v6n1.html>
24. **Sina Cosmulescu**, A. Baci, M. Gruia. 2015. Influence of climatic factors on the phenology spring in Southern Oltenia (Romania). *Journal of Horticulture, Forestry and Biotechnology* 19:147-158.
25. Violeta Nour, Ion Trandafir, **Sina Cosmulescu**. 2014. Influence of preparing method on antioxidant activity and polyphenols content of green walnuts comfiture. *South Western Journal of Horticulture, Biology and Environment* 5 (2):83-94. http://biozoojournals.ro/swjhbe/v5n2/02_swjhbe_v5n2_Nour.pdf
26. **Cosmulescu Sina**. 2013. Phenotypic diversity of walnut (*Juglans regia* L.) in Romania – opportunity

- for genetic improvement. South Western Journal of Horticulture, Biology and Environment 4 (2): 117-126. http://biozoojournals.ro/swjhbe/v4n2/04_swjhbe_v4n2_Cosmulescu.pdf
27. A Baci, I Botu, S Cosmulescu, M Gruia, L Dumitru. 2013. Selection for future on peaches culture. South-Western Journal of Horticulture, Biology & Environment 4 (1): 12-18
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28. Gruia M., Baci A., **Cosmulescu Sina**. 2011. The environmental factors and their influences on main physiological processes on apple trees. Journal of Horticulture, Forestry and Biotechnology 15 (2):152-157 [http://www.usab-tm.ro/Journal-HFB/engleza/2011/Lista%20lucrari_2011%20 PDF/JHFB _15\(2\) _PDF/28Gruia%20Marius.pdf](http://www.usab-tm.ro/Journal-HFB/engleza/2011/Lista%20lucrari_2011%20PDF/JHFB_15(2)_PDF/28Gruia%20Marius.pdf)
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<http://www.anucraiova.3x.ro/swjhbe/v2n1/03.swjhbe.v2n1.Cosmulescu.pdf>
30. Catita Plopa, Claudia Nicola, **Sina Cosmulescu**. 2011. Schimbări bioclinice datorate influenței virusului PDV asupra unor soiuri de prun și cele datorate virusului ACLSV asupra unor soiuri de măr (Biochemical changes following the influence of *pdv* virus in some varieties of plum and of *ACLSV* virus in some varieties of apple). Scientific papers, R.I.F.G. Pitesti, Vol. XXVII: 153-156.
http://journaldatabase.info/articles/biochemical_changes_following.html

D. Lucrări publicate în ultimii 10 ani în reviste și volume de conferințe cu referenți (neindexate)

1. Ioan Godeanu, Aurelian Adrian Baci, **Sina Cosmulescu**. 2013. Date preliminare privind comportarea câtorva hibrizi de nuc cu fructificare laterală în condițiile S.D.E. Banu – Mărăcine. Lucrări Științifice, Volumul 36, partea I, Horticultură, Viticultură și Vinificație, Silvicultură și Grădini publice, Protecția plantelor. ISBN978-9975-64-248—4, p. 119 – 122.

E. Brevete obținute în întreaga activitate

1. Nectarin dwarf *NECTVAL* http://istis.ro/files/folders/bops_2013/entry1012.aspx

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Semnătura