

Universitatea din Craiova  
 Facultatea de Agricultură și Horticultură  
 Departamentul: Horticultură și Știința Alimentului  
**Fișa de verificare a îndeplinirii standardelor minime**  
**Conf.dr.ing. Sina Niculina COSMULESCU**

**Comisia de Ingineria Resurselor Vegetale și Animale**  
 OM 6560/2012; Ordinul nr. 5648/2013

**Activitatea didactică și profesională (A1)**

| Tipul activităților  | Categoriile și restricții  | Subcategoriile         | Indicatori (kpi)          | VALOARE | TOTAL CATEGORIE |
|--|--|------------------------|---------------------------|---------|-----------------|
| 1.1 Cărți și capitole în cărți de specialitate   | 1.1.1. Cărți/ capitole ca autor; pentru Profesor/CSI minim 2, d.c. 1 prim autor; conferențiar/CSII minim 1 | 1.1.1.1 internaționale | nr. pagini/(2*nr. autori) |         |                 |
|  |  | 1.1.1.2 naționale      | nr. pagini/(5*nr. autori) |         |                 |
|  | 1.1.2. Cărți/ capitole de cărți ca editor/coordonator  | 1.1.1.1 internaționale | nr. pagini/(3*nr. autori) |         |                 |
|  |  | 1.1.1.2 naționale      | nr. pagini/(7*nr. autori) |         |                 |
| Cosmulescu Sina Niculina. 2008.Ecologia sistemelor antropice pomicole (310 pp). Ed. Sitech ISBN 978-606-530-124-5  |  |                        |                           | 62      |                 |
| Cosmulescu Sina Niculina. 2005.Protectia mediului în ecosistemele pomicole (editie revizuita, 350 pp). Ed. Sitech ISBN 973-657-362-1   |  |                        |                           | 70      |                 |
| Cosmulescu Sina Niculina. 2003.Protectia mediului în ecosistemele pomicole (242 pp). Ed. Sitech ISBN 973-657-362-1   |  |                        |                           | 48,4    |                 |
| Cociu Vasile, Gh. Achim, I.Botu, M.Botu, N.Cepoiu, Sina Niculina Cosmulescu, Gh.Deaconu, I.Godeanu, M.Iancu, Silvia Murg, I.Popa, Silvia Preda, Teodora Tetileanu, Elena Turcu, V.Schiau, Catita Sarpe. 2003. Culturile nucifere (351 pp), Editura Ceres, capitolele 2,3,4 si 5 /partea I Nucul. |  |                        |                           | 4,38    |                 |
| Cosmulescu Sina, Adrian Baciu. 2003. Pomologie – descriere de sortiment (223 pp). Ed. Universitaria  |  |                        |                           | 22,3    |                 |
| Cosmulescu Sina Niculina.2002. Aplicații ale biotehnologiilor în pomicultură (236 pp), Ed. Reprograph  |  |                        |                           | 47,2    |                 |
|  |  |                        |                           |         | <b>254,28</b>   |

| Tipul activităților   | Categoriile și restricții              | Subcategoriile | Indicatori (kpi)          | VALOARE | TOTAL CATEGORIE |
|---|--|----------------|---------------------------|---------|-----------------|
| 1.2. Suport didactic  | 1.2.1 Manuale, support de curs         |                | nr. Pagini/(8*nr. Autori) |         |                 |
|   | 1.2.2 Îndrumare de laborator/aplicații |                | nr. Pagini/(8*nr. Autori) |         |                 |
| Cosmulescu Sina Niculina, Costea Dorin. 2009. Noțiuni de bioremediere (100 pp). Ed. Sitech ISBN 978-606-530-639-4 |  |                |                           | 6,25    |                 |
|   |  |                |                           |         | <b>6,25</b>     |

| Tipul activităților   | Categoriile și restricții              | Subcategoriile | Indicatori (kpi) |
|---|--|----------------|------------------|
| 1.3. Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale (POS, Socrates, Leonardo, sa) | Punctaj unic pentru fiecare activitate |                |                  |
| Coordonare program de studiu Peisagistică   |  |                | 15               |
| Coordonare program master Managementul resurselor ecologice și naturale   |  |                | 15               |
|   |  |                | <b>30</b>        |

**TOTAL A1 = 290,53 puncte**

### Activitatea de cercetare (A2)

| Tipul activităților   | Categoriile și restricții                    | Subcategoriile | Indicatori (kpi)   | VALOARE                               | TOTAL CATEGORIE |
|---|--|----------------|--|---------------------------------------|-----------------|
| 2.1. Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings *)  | Minim 6 articole pentru Profesor / CS I      |                | (25+20*factor impact)/nr. de autori – pt reviste cotate ISI<br>25/nr. de autori – pt articole indexate ISI proceedings |                                       |                 |
|   | Minim 3 articole pentru Conferentiar / CS II |                |  |                                       |                 |
| <b>ARTICOLE ISI</b>   |  |                |  |                                       |                 |
| Violeta Nour, Ion Trandafir, <b>Sina Cosmulescu</b> . 2014. Antioxidant capacity, phenolic compounds and minerals content of blackcurrant ( <i>Ribes nigrum</i> L.) leaves as influenced by harvesting date and extraction method. Industrial Crops and Products 53: 133–139. <a href="http://www.sciencedirect.com/science/article/pii/S0926669013006997">http://www.sciencedirect.com/science/article/pii/S0926669013006997</a> |  |                |  | $(25+20*2.468)/3=$<br><b>24.78</b>    | <b>24.78</b>    |
| <b>Sina Cosmulescu</b> , Ion Trandafir, Violeta Nour. 2014. Seasonal variation of the main individual phenolics and juglone in walnut ( <i>Juglans regia</i> ) leaves. Pharmaceutical Biology 52(5): 575-580. <a href="http://www.ncbi.nlm.nih.gov/pubmed/24251848">http://www.ncbi.nlm.nih.gov/pubmed/24251848</a>   |  |                |  | $(25+20*1.206)/3)*2=$<br><b>32.74</b> | <b>32.74</b>    |
| Violeta Nour, Ion Trandafir, <b>Sina Cosmulescu</b> . 2013. HPLC determination of some phenolic acids, flavonoids and juglone in walnut leaves. Journal of Chromatographic Science 51(9):883-890. <a href="http://chromsci.oxfordjournals.org/content/early/2012/11/06/chromsci.bms180.full.pdf">http://chromsci.oxfordjournals.org/content/early/2012/11/06/chromsci.bms180.full.pdf</a>   |  |                |  | $(25+20*0.794)/3)=$<br><b>42.44</b>   | <b>13.62</b>    |
| Mira Elena Ionica, Violeta Nour, Ion Trandafir, <b>Sina Cosmulescu</b> , Mihai Botu. 2013. Physical and chemical properties of some european plum cultivars ( <i>Prunus domestica</i> L.). Not Bot Horti Agrobi 41(2):499-503. <a href="http://www.notulaeobotanicae.ro/index.php/nbha/article/view/9354">http://www.notulaeobotanicae.ro/index.php/nbha/article/view/9354</a>  |  |                |  | $(25+20*0.590)/5)=$<br><b>24.53</b>   | <b>7.36</b>     |
| <b>Sina Cosmulescu</b> , Mihai Botu, Ion Trandafir. 2013. The mineral source for human nutrition of nuts in different hazelnut ( <i>Corylus avellana</i> L.) cultivars. Not Bot Horti Agrobi 41(1):1-6.   |  |                |  | $(25+20*0.590)/3)*2=$<br><b>24.53</b> | <b>24.53</b>    |

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|--|--------------------------------|---------------|
| <a href="http://www.notulaeobotanicae.ro/index.php/nbha/article/view/8307/7587">http://www.notulaeobotanicae.ro/index.php/nbha/article/view/8307/7587</a>  |                                |               |
| <b>Sina Niculina Cosmulescu</b> , Mihai Botu. 2012. Walnut biodiversity in South-Western Romania - resource for perspective cultivars. Pakistan Journal of Botany 44(1): 307-311.<br><a href="https://docs.google.com/viewer?a=v&amp;q=cache:MQ8qq4wuZ1sJ:www.pakbs.org/pjbot/PDFs/44(1)/44.pdf">https://docs.google.com/viewer?a=v&amp;q=cache:MQ8qq4wuZ1sJ:www.pakbs.org/pjbot/PDFs/44(1)/44.pdf</a> | $(25+20*0.872)/2)*2=$<br>24.53 | 42.44         |
| <b>Sina Cosmulescu</b> , Mihai Botu, Gheorghe Achim. 2012. Determination of apomictic fruit set ratio in some Romanian walnut ( <i>Juglans regia</i> L.) Cultivars. Not. Bot. Hort. Agrobot. Cluj 40(1):229-233.<br><a href="http://notulaeobotanicae.ro/nbha/article/viewFile/6407/6812">http://notulaeobotanicae.ro/nbha/article/viewFile/6407/6812</a>  | $(25+20*0.590)/3)*2=$<br>24.53 | 24.53         |
| <b>S. Cosmulescu</b> , I. Trandafir. 2012. Anti-oxidant activities and total phenolics contents of leaf extracts from 14 cultivars of walnut ( <i>Juglans regia</i> ). Journal of Horticultural Science & Biotechnology 87(5):504-508.<br><a href="http://www.jhortscib.org/Vol87/87_5/18.htm">http://www.jhortscib.org/Vol87/87_5/18.htm</a>  | $(25+20*0.51)/2)*2=$<br>35.2   | 35.2          |
| <b>Sina Niculina Cosmulescu</b> , Ion Trandafir. 2011. Seasonal variation of total phenols in leaves of walnut ( <i>Juglans regia</i> L.). Journal of Medicinal Plants Research 5(19): 4938-4942.<br><a href="http://www.academicjournals.org/jmpr/PDF/pdf2011/23Sept/Cosmulescu%20and%20Trandafir.pdf">http://www.academicjournals.org/jmpr/PDF/pdf2011/23Sept/Cosmulescu%20and%20Trandafir.pdf</a>   | $(25+20*0.224)/3)*2=$<br>24.53 | 19,65         |
| <b>Cosmulescu, S.</b> ; Trandafir, I.; Achim, G.; Baci, A. 2011. Juglone content in leaf and green husk of five walnut ( <i>Juglans regia</i> L.) cultivars. Not. Bot. Hort. Agrobot. Cluj 39(1):237-240.<br><a href="http://notulaeobotanicae.ro/nbha/article/viewFile/5728/5571">http://notulaeobotanicae.ro/nbha/article/viewFile/5728/5571</a>   | $(25+20*0.590)/4)*2=$<br>18.4  | 18.4          |
| <b>Sina Cosmulescu</b> , Ion Trandafir, Gheorghe Achim, Mihai Botu, Adrian Baci, Marius Gruia. 2010. Phenolics of green husk in mature walnut fruits. Not. Bot. Hort. Agrobot. Cluj 38(1): 53-56<br><a href="http://notulaeobotanicae.ro/nbha/article/viewfile/4624/4418">http://notulaeobotanicae.ro/nbha/article/viewfile/4624/4418</a>  | $(25+20*0.590)/6)*2=$<br>12.26 | 12.26         |
| <b>Cosmulescu, S.</b> , Baci, A., Achim, G., Botu, M., Trandafir, I. 2009. Mineral composition of fruits in different walnut ( <i>Juglans regia</i> L.) cultivars. Not Bot Hort Agrobot Cluj 37(2):156-160.<br><a href="http://notulaeobotanicae.ro/nbha/article/viewfile/3169/3169">http://notulaeobotanicae.ro/nbha/article/viewfile/3169/3169</a>   | $(25+20*0.590)/5)*2$<br>=14.72 | 14.72         |
| <b>TOTAL</b>   |                                | <b>267,23</b> |
| <b>ARTICOLE IN VOLUME INDEXATE ISI PROCEEDINGS</b>   |                                |               |
| Baci, A., Botu, M., Gruia, M. 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<br><a href="http://www.actahort.org/books/981/981_10.htm">http://www.actahort.org/books/981/981_10.htm</a>   | 6.25                           |               |
| Botu, I., Botu, M., Papachatzis, A., <b>Cosmulescu, S.</b> , Preda, S. 2012. Evolution of plum culture; constrains and perspectives . Acta Hort. (ISHS) 968:19-24. <a href="http://www.actahort.org/books/968/968_1.htm">http://www.actahort.org/books/968/968_1.htm</a>   | 5.0                            |               |
| Baci, A., Ciobanu, A., Botu, I., <b>Cosmulescu, S.</b> , 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.<br><a href="http://www.actahort.org/books/968/968_17.htm">http://www.actahort.org/books/968/968_17.htm</a>  | 4,16                           |               |
| <b>Sina Cosmulescu</b> , A. Baci, M. Gruia. 2010. Environment Factors and Their Influence on Some Physiologic Processes in Plum Tree. Hort. (ISHS) 874:175-182. <a href="http://www.actahort.org/books/874/874_24.htm">http://www.actahort.org/books/874/874_24.htm</a>  | 16,66                          |               |
| <b>Cosmulescu Sina</b> , Baci A., Botu M., Achim Gh. 2010. Environmental factors' influence on walnut flowering. Acta Hort. (ISHS) 861:83-88 <a href="http://www.actahort.org/books/861/861_10.htm">http://www.actahort.org/books/861/861_10.htm</a>   | 12,5                           |               |
| Baci A., <b>S. Cosmulescu</b> , M. Cichi. 2008. Research on behavior of some pear tree cultivars in southern Oltenia region Romania. Acta Hort. (ISHS) 800:297-302. <a href="http://www.actahort.org/books/800/800_35.ht">http://www.actahort.org/books/800/800_35.ht</a>  | 8,33                           |               |
| Baci A., G. Achim, <b>S. Cosmulescu</b> . 2008. Opportunities for reducing the time necessary to obtain trees with   | 8.33                           |               |

|   |                   |              |
|---|-------------------|--------------|
| intermediary in pear tree . Acta Hort. (ISHS) 800:731-736. <a href="http://www.actahort.org/books/800/800_36.htm">http://www.actahort.org/books/800/800_36.htm</a>  |                   |              |
| Gavrilescu E., <b>Cosmulescu S.</b> , Baci A., Botu M. 2007. Influence of cultivar-rootstock combination on physiological processes in plum. Acta Hort. (ISHS) 734:381-386. <a href="http://www.actahort.org/books/734/734_56.htm">http://www.actahort.org/books/734/734_56.htm</a> .   | 6,25              |              |
| Godeanu, I., Baci A., Achim, G., <b>Cosmulescu, S.</b> 2004. Achievements and perspectives in creating rootstocks and in the technology for obtaining grafted walnut trees in Romania. Acta Hort. (ISHS) 658:479-486. <a href="http://www.actahort.org/books/658/658_71.htm">http://www.actahort.org/books/658/658_71.htm</a> | 6,25              |              |
| Achim, G., Botu, I., Botu, M., Godeanu, I., Baci A. and <b>Cosmulescu, S.</b> 2004. Miroval - a new clonal rootstock for european type plum cultivars. Acta Hort. (ISHS) 658:89-91. <a href="http://www.actahort.org/books/658/658_9.htm">http://www.actahort.org/books/658/658_9.htm</a>                                     | 4,16              |              |
| Botu, M., Sarpe, C., <b>Cosmulescu, S.</b> and Botu, I. 2002. The genetic control of pollen fertility, pollenizing and fruit set for the <i>Prunus domestica</i> l. plum cultivars. Acta Hort. (ISHS) 577:139-145. <a href="http://www.actahort.org/books/577/577_21.htm">http://www.actahort.org/books/577/577_21.htm</a>    | 6,25              |              |
| Godeanu, I., <b>Cosmulescu, S.</b> and Baci A. 2001. Research concerning the influence of pruning applied to mature walnut trees for obtaining quality scionwood. Acta Hort. (ISHS) 544:495-502. <a href="http://www.actahort.org/books/544/544_68.htm">http://www.actahort.org/books/544/544_68.htm</a>                      | 8,33              |              |
|   |                   | 92,47        |
|   | <b>TOTAL 2.1.</b> | <b>359,7</b> |

| Tipul activităților  | Categoriile și restricții   | Subcategoriile | Indicatori (kpi) | VALOARE | TOTAL CATEGORIE |
|--|---|----------------|------------------|---------|-----------------|
| 2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale *)<br>**)   | Minim 15 pentru Profesor / CS I<br>Minim 10 pentru Conferențiar / CS II |                | 15/nr.de autori  |         |                 |
| <b>COSMULESCU Sina.</b> 2013. Phenotypic diversity of walnut ( <i>Juglans regia</i> L.) in Romania – opportunity for genetic improvement. South Western Journal of Horticulture, Biology and Environment 4 (2): 117-126<br><a href="http://biozoojournals.ro/swjhbe/v4n2/04_swjhbe_v4n2_Cosmulescu.pdf">http://biozoojournals.ro/swjhbe/v4n2/04_swjhbe_v4n2_Cosmulescu.pdf</a>   |   |                |                  | 30      |                 |
| A Baci A, I Botu, <b>S Cosmulescu</b> , M Gruia, L Dumitru. 2013. Selection for future on peaches culture. South-Western Journal of Horticulture, Biology & Environment 4 (1): 12-18<br><a href="http://anucraiova.3x.ro/swjhbe/v4n1/02_swjhbe_v4n1_Baci.pdf">http://anucraiova.3x.ro/swjhbe/v4n1/02_swjhbe_v4n1_Baci.pdf</a>  |   |                |                  | 3       |                 |
| Gruia M., Baci A., <b>Cosmulescu Sina.</b> 2011. The environmental factors and their influences on main physiological processes on apple trees. Journal of Horticulture, Forestry and Biotechnology 15 (2):152-157 <a href="http://www.usab-tm.ro/Journal-HFB/engleza/2011/Lista%20lucrari_2011%20PDF/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</a> |   |                |                  | 5       |                 |
| <b>Sina Cosmulescu</b> , Ion Trandafir. 2011. Variation of phenols content in walnut ( <i>Juglans regia</i> L.). South-west J Horticult Biol Environ 2 (1):25-33 <a href="http://www.anucraiova.3x.ro/swjhbe/v2n1/03.swjhbe.v2n1.Cosmulescu.pdf">http://www.anucraiova.3x.ro/swjhbe/v2n1/03.swjhbe.v2n1.Cosmulescu.pdf</a>   |   |                |                  | 15      |                 |
| <b>Sina Cosmulescu</b> , Mihai Botu, Ion Trandafir. 2010. Mineral composition and physical characteristics of walnut ( <i>Juglans regia</i> L.) cultivars originating in Romania. Selçuk Journal of Agriculture and Food Sciences (Selçuk Tarım ve Gıda Bilimleri Dergisi) 24(4): 33-37. <a href="http://www.ziraat.selcuk.edu.tr/ojs/index.php/ziraat/article/view/110">http://www.ziraat.selcuk.edu.tr/ojs/index.php/ziraat/article/view/110</a>           |   |                |                  | 10      |                 |
| <b>Cosmulescu Sina</b> , Baci A., Gruia M., Cichi M. 2010. The effect of climate changes on phenological phases in plum tree ( <i>Prunus domestica</i> L.) in South-Western Romania. South-west J Horticult Biol Environ 1(1): 9-20  |   |                |                  | 7,5     |                 |

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|---|------|--|
| <a href="http://www.anucraiova.3x.ro/swjhbe/v1n1.html">http://www.anucraiova.3x.ro/swjhbe/v1n1.html</a>   |      |  |
| Botu M., Tudor Maria, Botu I., <b>Cosmulescu Sina</b> , Papachatzis A. 2010. Evaluation of walnut cultivars in the conditions of the Oltenia's hill area regarding functioning potential. Analele Universității din Craiova, vol.XV (XLXI): 94-103. <a href="http://www.anucraiova.3x.ro/cont/2010-1/V1.15.BotuM.pdf">http://www.anucraiova.3x.ro/cont/2010-1/V1.15.BotuM.pdf</a>   | 3    |  |
| <b>Cosmulescu Sina</b> , Simeanu C., Achim Gh. 2010. Embriologic and cytologic studies on fruit setting in walnut tree ( <i>Juglans regia</i> L.). Analele Universității din Craiova, vol.XV (XLXI):185-188. <a href="http://www.anucraiova.3x.ro/cont/2010-1/V1.28.CosmulescuS.pdf">http://www.anucraiova.3x.ro/cont/2010-1/V1.28.CosmulescuS.pdf</a>  | 10   |  |
| Gruia M., Baci A., <b>Cosmulescu Sina</b> . 2010. Preliminary results regarding the selection of new generative rootstocks for peach trees. Journal of Horticulture, Forestry and Biotechnology 14 (2):31-35 <a href="http://www.usab-tm.ro/Journal-FB/romana/Lista%20lucrari%202010_PDF/JHFB%20-%20vol.2/74Gruia%20M..pdf">http://www.usab-tm.ro/Journal-FB/romana/Lista%20lucrari%202010_PDF/JHFB%20-%20vol.2/74Gruia%20M..pdf</a>    | 5    |  |
| <b>Cosmulescu Sina Niculina</b> , Adrian Baci, Marius Gruia. 2009. Walnut tree pollen quality in cultivars with various flowering times. Bulletin UASVM Horticulture, 66(1)/2009:650. Print ISSN 1843-5254; Electronic ISSN 1843-5394. <a href="http://journals.usamvcj.ro/horticulture/article/viewFile/4501/4190">http://journals.usamvcj.ro/horticulture/article/viewFile/4501/4190</a>  | 10   |  |
| Botu Ion, A. Baci, M. Botu, A. Vicol, <b>S. Cosmulescu</b> , A. Giorgota, F. Visanu. 2009. Perspective Dwarf Nectarine Selections. Bulletin UASVM Horticulture, 66(1)/2009: 130-134. <a href="http://journals.usamvcj.ro/horticulture/article/view/4553/4244">http://journals.usamvcj.ro/horticulture/article/view/4553/4244</a>  | 2,14 |  |
| Gruia Marius, Adrian Baci, <b>Sina Cosmulescu</b> . 2009. Fructification of the specific varieties and hybrids of peach grown in the area of Oltenia. Bulletin UASVM Horticulture, 66(1)/2009:652. <a href="http://journals.usamvcj.ro/horticulture/article/view/4504/4193">http://journals.usamvcj.ro/horticulture/article/view/4504/4193</a>  | 5    |  |
| Adrian Baci, <b>Sina Cosmulescu</b> , Ion Botu, Marius Gruia, Floriana Visanu. 2009. Research on new generative rootstocks for peach trees ( <i>Prunus persica</i> L. Batsch). Bulletin UASVM Horticulture, 66(1)/2009:115-119. <a href="http://journals.usamvcj.ro/horticulture/article/view/3805/3532">http://journals.usamvcj.ro/horticulture/article/view/3805/3532</a>   | 3    |  |
| Călinescu Mirela, <b>Cosmulescu Sina</b> , Plopa Catița. 2009. In vitro regeneration capacity of apricot varieties. Analele Universității din Craiova, vol.XIV (XLX) : 47-50. <a href="http://www.anucraiova.3x.ro/cont/2009/HP09.CalinescuM.pdf">http://www.anucraiova.3x.ro/cont/2009/HP09.CalinescuM.pdf</a>   | 5    |  |
| Cichi M., Baci A., <b>Cosmulescu S.</b> , Paun L., Militaru L. 2009.The influence of variety and rootstock upon certain physiological processes at some cultivars of plum tree in different phenophases. Lucrari Stiintifice Seria Horticultura< USAMV Iasi, Anul LII-Vol.52/2009:551 -556 <a href="http://www.uaiasi.ro/revista_horti/arhiva.php?an=2009">http://www.uaiasi.ro/revista_horti/arhiva.php?an=2009</a>                    | 3    |  |
| <b>Cosmulescu Sina</b> , A.Baci, M.Gruia. 2008. Physiological changes in black currant cultivars under suboptimal culture conditions. Bulletin USAMV-CN, 65(1)/2008:318-322. <a href="http://journals.usamvcj.ro/horticulture/article/viewFile/564/589">http://journals.usamvcj.ro/horticulture/article/viewFile/564/589</a>  | 10   |  |
| Botu I., Preda S., Predescu C., Baci A., Botu M., Matei E., Achim G., <b>Cosmulescu S.</b> , Ștefănescu I., Călinoiu I., Durău A., Tudor I., Tudor M. 2008. Evaluation of qualitative performances of fruit samples from the ecological area of Oltenia. Analele Universității din Craiova, vol.XIII (XLIX):175-180 <a href="http://www.anucraiova.3x.ro/cont/2008/H34-Botu.pdf">http://www.anucraiova.3x.ro/cont/2008/H34-Botu.pdf</a> | 1,15 |  |
| <b>Cosmulescu Sina</b> , A.Baci, M.Cichi, M.Gruia, A.Ciobanu. 2008. Phenologic changes in plum tree species in the context of current climate changes. Bulletin UASVM, Horticulture 65(1)/2008:510. <a href="http://journals.usamvcj.ro/horticulture/article/viewFile/833/833">http://journals.usamvcj.ro/horticulture/article/viewFile/833/833</a>   | 6    |  |
| M Gruia, A Baci, S Cosmulescu. 2008. Research regarding the influence of distances between plants on saplings in Sapling's School. Lucrări Științifice-Universitatea de Științe Agronomice și Medicină Veterinară București. Seria B, Horticultură 52:33-36   | 5    |  |
| <b>Cosmulescu Sina</b> , Baci A., M. Gruia. 2007. Environment factors influence on some physiologic processes running in  | 10   |  |

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|---|-------------|---------------|
| apple tree. Analele Universității din Craiova, vol.XII (XLVIII):49-53 <a href="http://cis01.central.ucv.ro/analele_universitatii/horticultura/2007/120.htm">http://cis01.central.ucv.ro/analele_universitatii/horticultura/2007/120.htm</a>   |             |               |
| Godeanu I., A. Baci, <b>S. Cosmulescu</b> , Gh. Achim. 2005. New trends in environmental protection in fruit tree ecosystems. Journal of Environmental Protection and Ecology 6 (2): 345-353. <a href="http://www.gen.teithe.gr/~bena/AbstractsVOL6NO22005/Abstract14.do">www.gen.teithe.gr/~bena/ AbstractsVOL6NO22005/Abstract14.do</a> | <b>3.75</b> |               |
| <b>TOTAL 2.2.</b>   |             | <b>152.54</b> |

| Tipul activităților   | Categoriile și restricții | Subcategoriile        | Indicatori (kpi) | VALOARE | TOTAL CATEGORIE |
|---|---------------------------|-----------------------|------------------|---------|-----------------|
| 2.3. Proprietate intelectuală   |                           | 2.3.1. internaționale | 40/nr. autori    |         |                 |
|   |                           | 2.3.2. naționale      | 30/nr. autori    |         |                 |
| 137/22.02.2010. Cerere înregistrare produs ( <b>soi</b> ) <b>NECTVAL</b> . Botu Ion, Baci Adrian, Botu Mihai, <b>Cosmulesu Sina</b> , Vicol Adina. Institutul de Stat pentru Testarea și Înregistrarea Soiurilor, Romania |                           |                       |                  | 6       |                 |
| <b>TOTAL 2.3.</b>   |                           |                       |                  |         | <b>6</b>        |

| Tipul activităților  | Categoriile și restricții   | Subcategoriile          | Indicatori (kpi)      |                            | VALOARE /TOTAL CATEGORIE |
|--|---|-------------------------|-----------------------|----------------------------|--------------------------|
| 2.4. Granturi/proiecte câștigate prin competiție inclusiv proiecte de cercetare/consultanță (valoare de minim 10 000 Euro echivalent)  | 2.4.1. Director/ responsabil - Minim2 pentru Profesor / CS I ; Minim1 pentru Conferențiar / CS II | 2.4.1.1. internaționale | 20*ani de desfășurare |                            |                          |
|  |   | 2.4.1.2. naționale      | 10*ani de desfășurare |                            |                          |
|  | 2.4.2. membru în echipă   | 2.4.2.1. internaționale | 4*ani de desfășurare  |                            |                          |
|  |   | 2.4.2.2. naționale      | 2*ani de desfășurare  |                            |                          |
| Proiect cercetare avansată competiție Universitatea din Craiova 11C/2014: Extracte de nuc cu proprietăți antioxidante și antimicrobiene.   |   |                         |                       | Director Proiect 2014      | 10                       |
| POSCCE Contract 256/2010, Cod SMIS – CSNR 13845: Infrastructură de Cercetare în Științe Aplicate (INCESA).   |   |                         |                       | Membru 2010-2014           | 8                        |
| Proiect bilateral România - Slovacia 469/2011: Study of genetic resources of selected nut crops in Slovakia and Romania. CODE 5. Priority Area: Agriculture, food safety and security.                           |   |                         |                       | Director Proiect 2011-2012 | 40                       |
| MIS-ETC code 199/Cross Border Cooperation Romania Bulgaria/UE: Wine Way. Priority axis 3. Economic development and social cohesion by joint identification and enhancement of the area's comparative advantages. |   |                         |                       | Director Proiect 2011-2012 | 40                       |
| CNCSIS IDEI 1063/2009: Cercetări privind formarea fructului prin apomixie la soiuri de nuc autohtone.  |   |                         |                       | Director                   | 30                       |

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|--|--|----|------------|
|  | Proiect<br>2008-2011                   |    |            |
| PNII Parteneriate în domenii prioritare 52-165/2008: Studiul relației patogen-gazdă-agent de transmitere în scopul aplicării măsurilor preventive și limitării pagubelor produse de virusuri și organisme asemănătoare.  | Responsabil<br>Proiect P3<br>2008-2011 | 30 |            |
| PNII Parteneriate în domenii prioritare 52-115/2008: Evaluarea potențialului agrobiologic al unor soiuri noi și hibrizi de piersic în vederea omologării și îmbunătățirii sortimentului național, care să valorifice resursele naturale în contextul unei agriculturi durabile | Membru<br>2008-2011                    | 6  |            |
| PNII subcontract 746/2007(70.1/2007): Stabilirea acțiunii și a efectelor stresprotectoare și/sau imunostimulatoare ale unor noi materiale biologice active.  | Membru<br>2007-2010                    | 6  |            |
| CNCSIS: Efectul poluanților atmosferici asupra ecosistemelor horticole în scopul stabilirii cauzelor unor modificări fiziologo-biochimice cu implicații asupra productivității.  | Membru<br>2007-2009                    | 6  |            |
| PNII Platforme tehnologice 107/2006: TEHNOPLAT Oltenia. Platforma de cercetare inovare interdisciplinară, formare și transfer de cunoștințe.   | Responsabil<br>Științific<br>2006-2008 | 12 |            |
| CNCSIS cod 166: Managementul resurselor biologice și pedoclimatice ale agroecosistemului viticol pentru realizarea unei viticulturi durabile și sustenabile în condițiile unor modificări climatice.   | Membru<br>2006-2008                    | 6  |            |
| CNCSIS cod 169: Posibilități de realizare a unor ecosisteme pomice durabile și competitive prin managementul integrat al resurselor ecologice locale.  | Director<br>Proiect<br>2006-2008       | 30 |            |
| CEEX 203: Dezvoltarea infrastructurii laboratorului de analize pentru siguranța și calitatea produselor agroalimentare la nivelul cerințelor Directivelor UE în domeniul evaluării conformității (CALITPROD).  | Membru<br>2006-2008                    | 6  |            |
| CEEX MENER 637: Creșterea randamentelor biologice prin utilizarea resurselor heliotermice locale în vederea realizării de agroecosisteme durabile și competitive.  | Membru<br>2005-2008                    | 6  |            |
| CEEX BIOTECH 1025: Realizarea de genotipuri de plante nucifere (nuc, alun și castan) de mare productivitate, calitate și rezistență ridicată la boli.  | Membru<br>2005-2008                    | 6  |            |
| CNCSIS Cod 974: Tehnologii pentru producerea eficientă și rapidă a materialului săditor pomicol în container.  | Membru<br>2002-2004                    | 6  |            |
| CNCSIS cod 7346: Studiul particularităților biologice și agroproductive ale unor elite de nuc în cultura de concurs în vederea omologării (Contract 7346/2000, 333/2001, 17/2002).   | Membru<br>2000-2002                    | 6  |            |
|  | <b>TOTAL 2.4.</b>                      |    | <b>260</b> |

**TOTAL A2 = 761,59**

### Recunoastere și impactul activității (A3)

| Tipul activităților  | Categoriile și restricții   | Subcategoriile | Indicatori (kpi) |         |                 |      |
|--|---|----------------|------------------|---------|-----------------|------|
| 3.1 Citări in reviste ISI si BDI   |   | 3.3.1 ISI      | 10/nr. autori    | VALOARE | TOTAL CATEGORIE |      |
|  |   | 3.3.2 BDI      | 5/nr. autori     |         |                 |      |
| <b>CITARI ISI</b>  |   |                |                  |         |                 |      |
| <a href="http://scholar.google.ro/scholar?hl=ro&amp;q=cosmulescu&amp;btnG=">http://scholar.google.ro/scholar?hl=ro&amp;q=cosmulescu&amp;btnG=</a> ; <a href="http://pcs.webofknowledge.com/?Func=Exit">http://pcs.webofknowledge.com/?Func=Exit</a><br><a href="http://pcs.webofknowledge.com/?Func=Exit">http://pcs.webofknowledge.com/?Func=Exit</a> |   |                |                  |         |                 |      |
| Botu, M., Sarpe, C., <b>Cosmulescu, S.</b> and Botu, I. 2002. The genetic control of pollen fertility, pollenizing and fruit set for the <i>Prunus domestica</i> L. plum cultivars. <i>Acta Hort. (ISHS)</i> 577:139-145.  |   |                |                  |         | 60/5            | 15   |
| 1  | Sharafi, Y. (2011). Pollen viability and longevity in some selected genotypes of peach, plum, prune and sour cherry. <i>J Med Plant Res</i> , 5(2), 275-279.  |                |                  |         |                 |      |
| 2  | Sharafi, Y. (2011). In vitro pollen germination in stone fruit tree of Rosaceae family. <i>African Journal of Agricultural Research</i> , 6(28), 6021-6026.   |                |                  |         |                 |      |
| 3  | Sharafi, Y. (2011). An investigation on the pollen germination and tube growth in some <i>Prunus persica</i> genotypes and cultivars. <i>African Journal of Microbiology Research</i> , 5(14), 2003-2007.   |                |                  |         |                 |      |
| 4  | Nikolić, D., & Milatović, D. (2010). Examining self-compatibility in plum ( <i>Prunus domestica</i> L.) by fluorescence microscopy. <i>Genetika</i> , 42(2), 387-396.   |                |                  |         |                 |      |
| 5  | Čalić, D., Devrnja, N., Kostić, I., & Kostić, M. (2013). Pollen morphology, viability, and germination of <i>Prunus domestica</i> cv. Požegača. <i>Scientia Horticulturae</i> , 155, 118-122.   |                |                  |         |                 |      |
| 6  | Glišić, I., Cerović, R., Milošević, N., Đorđević, M., & Radičević, S. (2012). Initial and final fruit set in some plum ( <i>Prunus domestica</i> L.) hybrids under different pollination types. <i>Genetika</i> , 44(3), 583-593.   |                |                  |         |                 |      |
| <b>Cosmulescu, S.</b> , Baci, A., Achim, G., Botu, M. and Trandafir, I. 2009. Mineral composition of fruits in different walnut ( <i>Juglans regia</i> L.) cultivars. <i>Not Bot Hort Agrobot Cluj</i> 37(2):56-160.   |   |                |                  |         | 50/5            | 10   |
| 1  | Nour V, Trandafir I., & Ionica M. E. (2010). Compositional characteristics of fruits of several apple ( <i>Malus domestica</i> Borkh.) cultivars. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 38(3), 228-233.   |                |                  |         |                 |      |
| 2  | Çelik, F., Çimrin, K. M., & Kazankaya, A. (2011). Tavas (Denizli) Yöresinden Selekte Edilen Ceviz ( <i>Juglans regia</i> L.) Genotiplerinin Bazı Fiziksel ve Kimyasal Özellikleri. <i>YYÜ Tar Bil Derg (YYU J Agr Sci)</i> , 21(1), 42-48.  |                |                  |         |                 |      |
| 3  | Utility and importance of walnut, <i>Juglans regia</i> Linn: A review . Nael Abu Taha and Mohammed A. Al-wadaan . African Journal of Microbiology Research Vol. 5(32), pp. 5796-5805, 30 December, 2011 . Available online at <a href="http://www.academicjournals.org/AJMR">http://www.academicjournals.org/AJMR</a> ISSN 1996-0808 ©2011 Academic Journals DOI: 0.5897/AJMR11.610 |                |                  |         |                 |      |
| 4  | Arpadjan, S., Momchilova, S., Elenkova, D., & Blagoeva, E. (2013). Essential and toxic microelement profile of walnut ( <i>Juglans regia</i> L.) cultivars grown in industrially contaminated area--Evaluation for human nutrition and health. <i>Journal of Food &amp; Nutrition Research</i> , 52(2).   |                |                  |         |                 |      |
| 5  | Noumi, E., Snoussi, M., Noumi, I., Valentin, E., Aouni, M., & Al-sieni, A. (2014). Comparative study on the antifungal and antioxidant properties of natural and colored <i>Juglans regia</i> L. barks: A high activity against vaginal <i>Candida</i> strains. <i>Life Science Journal</i> , 11(8).  |                |                  |         |                 |      |
| <b>Sina Cosmulescu</b> , Ion Trandafir, Gheorghe Achim, Mihai Botu, Adrian Baci, Marius Gruia. 2010. Phenolics of Green Husk in Mature   |   |                |                  |         | 40/6            | 6.66 |



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|---|--|--|------|-----|
| Walnut Fruits. Not. Bot. Hort. Agrobot. Cluj 38 (1) 2010, 53-56.  |  |  |      |     |
| 1.  | Solar, A., Jakopic, J., Veberic, R., & Stampar, F. (2012). Correlations between Xanthomonas arboricola pv. Juglandis severity and endogenous juglone and phenolic acids in walnut. <i>Journal of Plant Pathology</i> , 94(1), 229-235.   |  |      |     |
| 2.  | Emira Noumi, Mejdi Snoussi, Najla Trabelsi, Riadh Ksouri, Gaith Hamdaoui, Lamjed Bouslama, Amina Bakhrouf . 2012. Antioxidant activities and reversed phase-high performance liquid chromatography (RP-HPLC) identification of polyphenols in the ethyl acetate extract of Tunisian <i>Juglans regia</i> L. treated barks. <i>Journal of Medicinal Plants Research</i> Vol. 6(8), pp. 1468-1475. |  |      |     |
| 3.  | Cheniany, M., Ebrahimzadeh, H., Vahdati, K., Preece, J. E., Masoudinejad, A., & Mirmasoumi, M. (2013). Content of different groups of phenolic compounds in microshoots of <i>Juglans regia</i> cultivars and studies on antioxidant activity. <i>Acta Physiologiae Plantarum</i> , 35(2), 443-450.  |  |      |     |
| 4   | Keskin, Dilek; Ceyhan, Nur; Ugur, Aysel. 2012. Chemical Composition and in vitro Antimicrobial Activity of Walnut ( <i>Juglans regia</i> ) Green Husks and Leaves from West Anatolia. <i>Journal of Pure and Applied Microbiology</i> 6(2): 583-588  |  |      |     |
| <b>Cosmulescu, S.</b> ; Trandafir, I.; Achim, G.; Baci, A. 2011. Juglone content in leaf and green husk of five walnut ( <i>Juglans regia</i> L.) cultivars. Not. Bot. Hort. Agrobot. Cluj, 39 (1):237–240. |  |  | 30/4 | 7.5 |
| 1   | Sytykiewicz, H. (2011). Expression Patterns of Glutathione Transferase Gene (Gstl) in Maize Seedlings Under Juglone-Induced Oxidative Stress. <i>International journal of molecular sciences</i> , 12(11), 7982-7995.  |  |      |     |
| 2   | Dadi, Monad; Bakhshi, Davood; Peyvast, Gholamali; et al. 2013. Effects of Persian walnut leaf extracts on seed germination, seedling growth, and some physiological characteristics of the basil ( <i>Ocimum basilicum</i> L.) cultivar 'Genovese'. <i>Journal of Horticultural Science &amp; Biotechnology</i> 88 (4 ):433-438  |  |      |     |
| 3.  | Braga M. E. M.; Seabra I. J.; Dias A. M. A.; Sousa H.C. 2013. Recent Trends and Perspectives for the Extraction of Natural Products. <i>Natural Product Extraction: Principles and Applications Book Series: RSC Green Chemistry Series Issue: 21: 231-284</i>   |  |      |     |
| <b>Sina Niculina Cosmulescu</b> , Ion Trandafir. 2011. Seasonal variation of total phenols in leaves of walnut ( <i>Juglans regia</i> L.). <i>Journal of Medicinal Plants Research</i> 5(19): 4938-4942.    |  |  | 50/2 | 25  |
| 1   | Vamanu, E. (2012). Biological activities of the polysaccharides produced in submerged culture of two edible <i>Pleurotus ostreatus</i> mushrooms. <i>BioMed Research International</i> , 2012.   |  |      |     |
| 2   | Verma, R. S., Padalia, R. C., Chauhan, A., & Thul, S. T. (2013). Phytochemical analysis of the leaf volatile oil of walnut tree ( <i>Juglans regia</i> L.) from western Himalaya. <i>Industrial Crops and Products</i> , 42, 195-201   |  |      |     |
| 3   | Vamanu, Emanuel. 2013. In vitro Antiradical Activity of <i>Betula verrucosa</i> Leaves. <i>Revista De Chimie</i> 64(3): 254-259  |  |      |     |
| 4   | Sivaci, A., Duman, S. (2014). Evaluation of seasonal antioxidant activity and total phenolic compounds in stems and leaves of some almond ( <i>Prunus amygdalus</i> L.) varieties. <i>Biological Research</i> , 47(1), 9. <a href="http://www.biolres.com/content/pdf/0717-6287-47-9.pdf">http://www.biolres.com/content/pdf/0717-6287-47-9.pdf</a>  |  |      |     |
| 5   | Geza BUJDOSO, Gyorgy VEGVARI, Veronika HAJNAL, Gitta FICZEK, Magdolna TOTH. 2014. Phenolic Profile of the Kernel of Selected Persian Walnut ( <i>Juglans regia</i> L.) Cultivars. <i>Not Bot Horti Agrobo</i> , 2014, 42(1):24-29.   |  |      |     |
| <b>Cosmulescu S</b> , Baci A.2002. Climatic factors effect on flowering of fruit tree species. <i>Journal of Environmental Protection and Ecology</i> , 3(4):856-862.                                       |  |  | 10/2 | 5   |
| 1   | Franjić, J., Sever, K., Bogdan, S., Škvorc, Ž., Krstonošić, D., & Alešković, I. (2011). Fenološka neujednačenost kao   |  |      |     |

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|    | Baciu, A., Achim, G. and <b>Cosmulescu, S.</b> 2008. Opportunities for reducing the time necessary to obtain trees with interstocks in pear trees. <i>Acta Hort. (ISHS)</i> 800:731-736.   | 10/3  | 3.33 |
| 1  | Marcon Filho, J. L., Rufato, L., Rufato, A. D. R., Kretschmar, A. A., & Zancan, C. (2009). Productive and vegetative aspects of the imperial gala apple trees with EM-9 interstem in different lengths. <i>Revista Brasileira de Fruticultura</i> , 31(3), 784-791.  |       |      |
|    | <b>Cosmulescu Sina</b> , Baciu A., Gruia M., Cichi M. 2010. The effect of climate changes on phenological phases in plum tree ( <i>Prunus domestica</i> L.) in South-Western Romania. <i>South-west J Horticult Biol Environ</i> 1(1): 9-20.   | 10/4  | 2.5  |
| 1  | Ozkaynak, E. (2013). Effects of Air Temperature and Hours of Sunlight on the Length of the Vegetation Period and the Yield of Some Field Crops. <i>Ekoloji Dergisi</i> , 22(87).   |       |      |
|    | Cociu, V., Achim, G., Botu, I., Cepoiu, N., <b>Cosmulescu, N.</b> , Diaconu, G., & Șarpe, C. (2003). <i>Culturile nucifere</i> , ed. V. Cociu.   | 20/16 | 1.33 |
| 1. | Pop, I. F., Vicol, A. C., Botu, M., Raica, P. A., Vahdati, K., & Pamfil, D. (2013). Relationships of walnut cultivars in a germplasm collection: Comparative analysis of phenotypic and molecular data. <i>Scientia Horticulturae</i> , 153: 124-135.  |       |      |
| 2. | Francesca, P. I., Pamfil, D, Raica, P., Petricele, I. V., Sisea, C., Vas, E & Botu, M (2010). Assessment of the genetic variability among some <i>Juglans</i> cultivars from the Romanian National Collection at SCDP Vâlcea using RAPD markers. <i>Rom Biotechnol Lett</i> 15, 41-49.   |       |      |
|    | Violeta Nour, Ion Trandafir, <b>Sina Cosmulescu.</b> 2013. HPLC determination of some phenolic acids, flavonoids and juglone in walnut leaves. <i>Journal of Chromatographic Science</i> 51(9):883-90.   | 10/3  | 3.33 |
| 1. | Liu, S. F. (2013). Sensitive fluorometric method for the determination of rutin in combined tablet dosage form. <i>Indian Journal of Pharmaceutical Sciences</i> , 75(5), 614.   |       |      |
| 2  | Wang, J., Zhao, Y. M., Zhang, M. L., & Shi, Q. W. (2014). Simultaneous Determination of Chlorogenic Acid, Caffeic Acid, Alantolactone and Isoalantolactone in <i>Inula helenium</i> by HPLC. <i>Journal of Chromatographic Science</i> , bmu079.   |       |      |
|    | <b>Sina Niculina Cosmulescu</b> , Mihai Botu. 2012. Walnut biodiversity in South-Western Romania - resource for perspective cultivars. <i>Pakistan Journal of Botany</i> 44(1): 307-311.   | 20/2  | 10   |
| 1  | Chen, L., Ma, Q., Chen, Y., Wang, B., & Pei, D. (2014). Identification of major walnut cultivars grown in China based on nut phenotypes and SSR markers. <i>Scientia Horticulturae</i> , 168, 240-248.   |       |      |
| 2  | Sharma, R. M., Kour, K., Singh, B., Yadav, S., Kotwal, N., Rana, J. C., & Anand, R. (2014). Selection and characterization of elite walnut ( <i>Juglans regia</i> L.) clone from seedling origin trees in North Western Himalayan region of India. <i>Australian Journal of Crop Science</i> Volume 8 Issue 2 (Feb 2014)                                   |       |      |
|    | <b>Sina Cosmulescu</b> , Ion Trandafir. 2011. Variation of phenols content in walnut ( <i>Juglans regia</i> L.). <i>South-west J Horticult Biol Environ</i> 2 (1):25-33.   | 20/2  | 10   |
| 1  | Hosseini, S., Jamshidi, L., Mehrzadi, S., Mohammad, K., Najmizadeh, A. R., Alimoradi, H., & Huseini, H. F. (2014). Effects of <i>Juglans regia</i> L. leaf extract on hyperglycemia and lipid profiles in type two diabetic patients: A randomized double-blind, placebo-controlled clinical trial. <i>Journal of ethnopharmacology</i> , 152(3), 451-456. |       |      |
| 2  | Geza BUJDOSO, Gyorgy VEGVARI, Veronika HAJNAL, Gitta FICZEK, Magdolna TOTH. 2014. Phenolic Profile of the Kernel of Selected Persian Walnut ( <i>Juglans regia</i> L.) Cultivars. <i>Not Bot Horti Agrobo</i> , 2014, 42(1):24-29.   |       |      |
|    | Violeta Nour, Ion Trandafir, <b>Sina Cosmulescu.</b> 2014. Antioxidant capacity, phenolic compounds and minerals content of blackcurrant ( <i>Ribes nigrum</i> L.) leaves as influenced by harvesting date and extraction method. <i>Industrial Crops and Products</i> 53: 133–139.  | 10/3  | 3.33 |

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|----|---|------|---------------|
| 1. | Routray, W., & Orsat, V. (2014). MAE of phenolic compounds from blueberry leaves and comparison with other extraction methods. <i>Industrial Crops and Products</i> , 58, 36-45.<br><a href="http://www.sciencedirect.com/science/article/pii/S0926669014001861">http://www.sciencedirect.com/science/article/pii/S0926669014001861</a> |      |               |
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| 3   | Sharma, R. M., Kour, K., Singh, B., Yadav, S., Kotwal, N., Rana, J. C., Anand, R. 2014. Selection and characterization of elite walnut ( <i>Juglans regia</i> L.) clone from seedling origin trees in North Western Himalayan region of India. <i>Australian Journal of Crop Science</i> 8(2):257-262. <a href="http://www.cropj.com/sharma_8_2_2014_257_262.pdf">http://www.cropj.com/sharma_8_2_2014_257_262.pdf</a>  |      |      |
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| 1   | MA Rui-juan, ZHANG Bin-bin, CAI Zhi-xiang, SHEN Zhi-jun, YU Ming-liang. 2013. Evaluation of Peach Rootstock Waterlogging Tolerance Based on the Responses of the Photosynthetic Indexes to Continuous Submergence Stress. <i>Acta Horticulturae Sinica</i> 40 ( 3 ) : 409–416   |      |      |
| Botu M., Tudor Maria, Botu I., <b>Cosmulescu Sina</b> , Papachatzis A. 2010. Evaluation of walnut cultivars in the conditions of the Oltenia's hill area regarding functioning potential. <i>Analele Universității din Craiova</i> , vol.XV (XLXI): 94-103. |   | 10/5 | 2    |
| 1   | Theodoros TSAMPAS, Mihai BOTU. 2013. STUDY ON GENETIC VARIABILITY OF COMMON WALNUT ( <i>Juglans regia</i> L.) FROM NORTHERN OLTENIA AND EPIRUS. <i>South Western Journal of Horticulture, Biology and Environment</i> Vol.4, No.2: 127-136. <a href="http://anucraiova.3x.ro/swjhbe/v4n2/05_swjhbe_v4n2_Tsampas.pdf">http://anucraiova.3x.ro/swjhbe/v4n2/05_swjhbe_v4n2_Tsampas.pdf</a>   |      |      |
| 2   | Sharma, R. M., Kour, K., Singh, B., Yadav, S., Kotwal, N., Rana, J. C., & Anand, R. 2014. Selection and characterization of elite walnut ( <i>Juglans regia</i> L.) clone from seedling origin trees in North Western Himalayan region of India. <i>Australian Journal of Crop Science</i> 8(2):257-262. <a href="http://www.cropj.com/sharma_8_2_2014_257_262.pdf">http://www.cropj.com/sharma_8_2_2014_257_262.pdf</a>  |      |      |
| <b>Cosmulescu Sina Niculina</b> , Baciu A., Gruia M. 2007. Environment factors influence on some physiologic processes running in apple tree. <i>Analele Universitatii din Craiova</i> 12: 49-53.   |   | 5/3  | 1,66 |
| 1   | Ștefan Floriana Maria1*, Gruia M.2, Giorgota Andreea Oana. 2011. Researches on some fundamental physiological processes at several species of the genus <i>Prunus</i> , in depending of limiting factors action. <i>JOURNAL of Horticulture, Forestry and Biotechnology</i> Volume 15(1), 115- 119. <a href="http://www.journal-hfb.usab-tm.ro/engleza/2011/Lista%20lucrari_2011%20PDF/JHFB_15(1)_PDF/29Stefan%20Floriana%20Maria.pdf">http://www.journal-hfb.usab-tm.ro/engleza/2011/Lista%20lucrari_2011%20PDF/JHFB_15(1)_PDF/29Stefan%20Floriana%20Maria.pdf</a> |      |      |
| 2.  | Ancu S., Chitu E., Marin F. C., Ancu I., Plopa C. 2014. Correlation of stomatal conductance with photosynthetic capacity of six walnut cultivars from the national assortment. <i>South Western Journal of Horticulture, Biology and Environment</i> 5(1): 1-10.  |      |      |
| Gruia M., <b>Cosmulescu Sina Niculina</b> , Baciu A. 2010. Influence of some environmental factors on main physiological processes on apple trees. <i>Analele Universității din Craiova</i> , vol.XV(XLXI): 279-284   |   | 5/3  | 1,66 |
| 1   | Ștefan Floriana Maria1*, Gruia M.2, Giorgota Andreea Oana. 2011. Researches on some fundamental physiological processes at several species of the genus <i>Prunus</i> , in depending of limiting factors action. <i>JOURNAL of Horticulture, Forestry and Biotechnology</i> Volume 15(1), 115- 119. <a href="http://www.journal-hfb.usab-tm.ro/engleza/2011/Lista%20lucrari_2011%20PDF/JHFB_15(1)_PDF/29Stefan%20Floriana%20Maria.pdf">http://www.journal-hfb.usab-tm.ro/engleza/2011/Lista%20lucrari_2011%20PDF/JHFB_15(1)_PDF/29Stefan%20Floriana%20Maria.pdf</a> |      |      |
| Violeta Nour, Ion Trandafir, <b>Sina Cosmulescu</b> . 2013. HPLC determination of some phenolic acids, flavonoids and juglone in walnut leaves. <i>Journal of Chromatographic Science</i> 51(9):883-90  |   | 5/3  | 1,66 |
| 1.  | Ana GURJUI, Elisaveta SÂNDULACHI & Eugenia SILIVESTRU – Quality and safety of walnuts <i>Juglans regia</i> L. <i>Papers</i>   |      |      |



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|----|--|-------------------|---------------|
|    | of the Sibiu Alma Mater University Conference, Seventh Edition, 28–30 March 2013, Sibiu – Volume 1<br>http://www.uamsibiu.ro/publicatii/Conf-UAMS/2013%20Conf%20UAMS%20vol1%20web/2013%20Conf%20UAMS%20Vol1%2026%20Paper%20Gurjui.pdf  |                   |               |
|    | Иванова, Р. А., & Елисовецкая, Д. С. АНТИОКСИДАНТНАЯ АКТИВНОСТЬ ЭКСТРАКТОВ ИЗ РАЗЛИЧНЫХ ВИДОВ НЕЗРЕЛЫХ ОРЕХОВ JUGLANS SPP. МИНИСТЕРСТВО СЕЛЬСКОГО ХОЗЯЙСТВА И ПРОДОВОЛЬСТВИЯ РЕСПУБЛИКИ БЕЛАРУСЬ УЧРЕЖДЕНИЕ ОБРАЗОВАНИЯ «ГРОДНЕНСКИЙ ГОСУДАРСТВЕННЫЙ АГРАРНЫЙ УНИВЕРСИТЕТ», 129. |                   |               |
|    |  |                   |               |
|    | <b>Sina Cosmulescu</b> , Ion Trandafir. 2011. Variation of phenols content in walnut ( <i>Juglans regia</i> L.). South-west J Hortic Biol Environ 2 (1):25-33  |                   |               |
|    | Иванова, Р. А., & Елисовецкая, Д. С. АНТИОКСИДАНТНАЯ АКТИВНОСТЬ ЭКСТРАКТОВ ИЗ РАЗЛИЧНЫХ ВИДОВ НЕЗРЕЛЫХ ОРЕХОВ JUGLANS SPP. МИНИСТЕРСТВО СЕЛЬСКОГО ХОЗЯЙСТВА И ПРОДОВОЛЬСТВИЯ РЕСПУБЛИКИ БЕЛАРУСЬ УЧРЕЖДЕНИЕ ОБРАЗОВАНИЯ «ГРОДНЕНСКИЙ ГОСУДАРСТВЕННЫЙ АГРАРНЫЙ УНИВЕРСИТЕТ», 129. |                   |               |
|    |  |                   |               |
|    | Gruia, M., Baci, A., & Cosmulescu, S. (2011). The environmental factors and their influences on main physiological processes on apple trees. <i>Journal of Horticulture, Forestry and Biotechnology</i> , 15(2), 152-156.  |                   |               |
| 1. | Ancu S., Chitu E., Marin F. C., Ancu I., Plopa C. 2014. Correlation of stomatal conductance with photosynthetic capacity of six walnut cultivars from the national assortment. South Western Journal of Horticulture, Biology and Environment 5(1): 1-10.                        |                   |               |
|    |  |                   |               |
|    | Cosmulescu, S., Baci, A., Gruia, M. (2010): Environmental factors and their influence on some physiological processes in plum tree. <i>Acta Horticulturae</i> 874: 175-182.  |                   |               |
| 1. | Ancu S., Chitu E., Marin F. C., Ancu I., Plopa C. 2014. Correlation of stomatal conductance with photosynthetic capacity of six walnut cultivars from the national assortment. South Western Journal of Horticulture, Biology and Environment 5(1): 1-10.                        |                   |               |
|    |  |                   |               |
|    |  |                   |               |
| 1. |  |                   | <b>90,27</b>  |
|    |  | <b>TOTAL 3.1.</b> | <b>247,08</b> |

| Tipul activităților   | Categoriile și restricții              | Subcategoriile   | Indicatori (kpi) | VALOARE | TOTAL CATEGORIE |
|---|--|------------------|------------------|---------|-----------------|
| 3.3. Membru în colectivele de redacție sau comitete științifice al revistelor și manifestărilor științifice, organizator de manifestări științifice, recenzor pentru reviste și manifestări științifice naționale și internaționale | Punctaj unic pentru fiecare activitate | 3.3.1. ISI       | 15               |         |                 |
|   |  | 3.3.2.BDI        | 10               |         |                 |
|   |  | 3.3.3. nationale | 5                |         |                 |

|  |    |           |
|--|----|-----------|
| Organizator Simpozionului cu tema "HORTICULTURA DURABILA-PRIORITATI SI PERSPECTIVE" (2008-2012)<br><a href="http://cis01.central.ucv.ro/horticulturadurabila/">http://cis01.central.ucv.ro/horticulturadurabila/</a>   | 5  |           |
| Organizator EUFRIN Plum And Prune Working Group Meeting (Acta Horticulturae) Craiova 2010<br><a href="http://cis01.central.ucv.ro/facultatea_horticultura/files/eufrin.pdf">http://cis01.central.ucv.ro/facultatea_horticultura/files/eufrin.pdf</a>   | 15 |           |
| Editor sef Revista BDI South-Western Journal of Horticulture, Biology and Environment.<br><a href="http://biozoojournals.ro/swjhbe/index.html">http://biozoojournals.ro/swjhbe/index.html</a>  | 10 |           |
| Editor Revista Analele Universitatii Din Craiova Biology, Horticulture, Food Produce Processing Technology, Environmental Engineering <a href="http://www.anucraiova.3x.ro/edit.html">http://www.anucraiova.3x.ro/edit.html</a>  | 10 |           |
| Recenzor reviste ISI (Notulae Botanicae Horti Agrobotanici Cluj-Napoca; African Journal of Biotechnology; International Journal for Biotechnology and Molecular Biology Research; Gayana Botanica; Journal of Food and Nutrition Research; JOURNAL OF DEVELOPMENT AND AGRICULTURAL ECONOMICS). | 15 |           |
| Recenzor reviste BDI (South-Western Journal of Horticulture, Biology & Environment, Analele Universitatii Din Craiova Biology, Horticulture, Food Produce Processing Technology, Environmental Engineering).   | 10 |           |
| <b>TOTAL 3.3.</b>  |    | <b>65</b> |

| Tipul activităților  | Categorii și restricții         | Subcategorii | Indicatori (kpi) | VALOARE | TOTAL CATEGORIE |
|--|---------------------------------|--------------|------------------|---------|-----------------|
| 3.4. Experiența de management  | 3.4.1 Conducere                 |              | 5*nr. ani        |         |                 |
|  | 3.4.2 Membru organism conducere |              | 2*nr. ani        |         |                 |
| Responsabil Laborator <i>Calitatea factorilor de mediu</i> (din 2007) dezvoltat prin Proiectul 107/2006 Platforme tehnologice/ TEHNOPLAT Oltenia.<br><a href="http://em.ucv.ro/CEEX/TEHNOPLAT/Laborator%20calitatea%20factorilor%20de%20mediu.htm">http://em.ucv.ro/CEEX/TEHNOPLAT/Laborator%20calitatea%20factorilor%20de%20mediu.htm</a> |                                 |              |                  | 35      |                 |
| Responsabil <i>Laborator de tehnici și procese în biotehnologie</i> (dezvoltat prin proiectul POSCCE 256/2010 Infrastructură de Cercetare în Științe Aplicate – INCESA) <a href="http://www.incesa.ro/">http://www.incesa.ro/</a>  |                                 |              |                  | 20      |                 |
| Membru Consiliul Profesorat (2008 – prezent)   |                                 |              |                  | 14      |                 |
| Secretar stiintific (2008-2012)  |                                 |              |                  | 20      |                 |
| Director departament didactic Horticultură și Știința Alimentului (2012- prezent)  |                                 |              |                  | 10      |                 |
| <b>TOTAL 3.4.</b>  |                                 |              |                  |         | <b>99</b>       |

| Tipul activităților   | Observații (activitatea din întreaga carieră)   | Categorii și restricții                | Subcategorii           | Indicatori (kpi) |    |  |  |
|---|---|--|------------------------|------------------|----|--|--|
| 3.6. Membru in academii, organizatii, asociatii profesionale de prestigiu, nationale si internationale, apartenență la organizatii din domeniul educatiei si cercetarii | Academii, organizatii , asociatii profesionale de prestigiu, exemplu (nelimitativ): IEEE, AGIR; apartenență la organizatii din domeniul educatiei si cercetarii (ARACIS, CNATDCU, CNCISIS, CNCS, CNFIS, ANCS, | 3.1.1 Academia Romana                  | 3.1.1                  | 100              |    |  |  |
|   |   | 3.1.2 AOSR si academii de ramura       | 3.1.2                  | 30               |    |  |  |
|   |   | 3.1.3 Conducere asociatii profesionale | 3.1.3.1 internationale |                  | 30 |  |  |
|   |   |  | 3.1.3.2 nationale      |                  | 10 |  |  |
|   |   | 3.1.4 Asociatii profesionale           | 3.1.4.1 internationale |                  | 5  |  |  |
|   |   |  | 3.1.4.2 nationale      |                  | 2  |  |  |
| 3.1.5 Organizatii în domeniul   | 3.1.5.1 Conducere   |  | 15                     |                  |    |  |  |

|  |                         |                |    |           |
|--|-------------------------|----------------|----|-----------|
| etc)   | educației și cercetării | 3.1.5.2 Membru | 10 |           |
| Membru CNCS – Comisia Științele vieții și Biotehnologii <a href="http://www.cncs-uefiscdi.ro/stiintele-vietii-si-biotehnologii/">http://www.cncs-uefiscdi.ro/stiintele-vietii-si-biotehnologii/</a>  |                         |                |    | 10        |
| Expert evaluator -Corpul de Experți MEDC înscrisi in Registrul Național al Experților din Învățământul Superior și Cercetare <a href="http://www.clasa.ro/pub/1_Corpul_de_Expertii_MEDC_inscrisi_in_Registrul_National_al_Expertilor_din_Invatamantul_Superior_si_Cercetare_.pdf">http://www.clasa.ro/pub/1_Corpul_de_Expertii_MEDC_inscrisi_in_Registrul_National_al_Expertilor_din_Invatamantul_Superior_si_Cercetare_.pdf</a> |                         |                |    | 10        |
| Membru Comisie de specialitate ARACIS (Comisia Științe agricole, silvice și medicină veterinară) <a href="http://pfe.aracis.ro/inscriere/registru/lista_c/8/0/a/html/">http://pfe.aracis.ro/inscriere/registru/lista_c/8/0/a/html/</a>   |                         |                |    | 10        |
| Membru Consiliul Cercetarii Stiintifice Universitatea din Craiova (2008-2012) <a href="http://cis01.central.ucv.ro/documente/files/anexe/anexa_1_21.pdf">http://cis01.central.ucv.ro/documente/files/anexe/anexa_1_21.pdf</a>  |                         |                |    | 10        |
| Membru Biroul Consiliul Cercetarii Stiintifice Universitatea din Craiova (2008-2012)   |                         |                |    | 10        |
| Asociații profesionale: Membru al Societății Române a Horticultorilor, Societatea de Horticultură și Silvicultură din Transilvania, Amicii Rozelor.  |                         |                |    | 6         |
| Vicepresedinte Asociația Hortus Oltenia 1962   |                         |                |    | 10        |
| <b>TOTAL 3.6.</b>  |                         |                |    | <b>66</b> |

**TOTAL A3 = 467,08**

**Formula de calcul a indicatorului de merit (A = A1+A2+A3)**

**A = 290,53 + 761,59 + 477,08 = 1529,2**

**Condiții minimale COSMULESCU SINA NICULINA**

| Nr.crt. | Domeniul de activitate                    | Condiții Profesor       |                      |
|---------|---|-------------------------|----------------------|
|         |   | Necesare                | Îndeplinite          |
| 1       | Activitatea didactică / profesională (A1) | Minim 100 puncte        | 290,53 puncte        |
| 2       | Activitatea de cercetare (A2)             | Minim 260 puncte        | 761,59 puncte        |
| 3       | Recunoaștere și impactul activității (A3) | Minim 40 puncte         | 477,08 puncte        |
|         | <b>TOTAL</b>                              | <b>Minim 400 puncte</b> | <b>1529,2 puncte</b> |