

# LISTĂ LUCRĂRI

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## Criteriu A1

### 1.1. Cărți și capitole în cărți de specialitate

1. Gâdea Ștefania, Puia Carmen, Porca Monica, Fițiu Avram, **Vâtcă Sorin** – Combaterea bolilor și dăunătorilor la produsele depozitate în agricultura ecologică, Editura Risoprint, Cluj-Napoca, Colectia Agraria, 2003, ISBN 973-656-571-8.
2. Morar Gavril, Fițiu Avram, Cernea Solovăstru, **Vâtcă Sorin**, Oltean Mircea, Sîrbu Camelia – Tehnologii în agricultura ecologică cartof-sfecla pentru zahăr, Editura Risoprint, Cluj-Napoca, Colectia Agraria, 2003, ISBN 973-656-551-3.
3. **Vâtcă Sorin Daniel** – Bioclimatologie și fenologie vegetală, Editura AcademicPress, Cluj-Napoca, 2020, ISBN 978-973-744-809-5.
4. **Vâtcă Sorin Daniel**, Stoian Valentina Ancuta – Ecofiziologia cerealelor, Editura AcademicPress, 2021, Cluj Napoca, ISBN 978-973-744-871-2.

### 1.2. Manuale didactice

1. **Vâtcă Sorin**, Gâdea Ștefania, Zdremțan Monica – Fiziologie vegetală – lucrări practice, Editura AcademicPress, Cluj Napoca, 2007, ISBN 978-973-744-062-4.
2. **Vâtcă Sorin**, Micle Svetlana – Complemente de lucrări practice la disciplina Climatologie, Editura AcademicPres, Cluj-Napoca, 2018, E-ISBN 978-973-744-702-9.
3. **Vâtcă Sorin**, Lakatos Elena Simina – Ecologie urbană - curs, Editura Școala Ardeleană, Cluj-Napoca, 2019, ISBN 978-606-797-469-0.
4. **Vâtcă Sorin Daniel** – Fiziologie vegetală - curs, Editura AcademicPress, Cluj Napoca, 2020, ISBN 978-973-744-808-8.
5. **Vâtcă Sorin Daniel** – Fiziologia nutriției și dezvoltării plantelor - curs, Editura AcademicPress, Cluj Napoca, 2020, ISBN 978-973-744-807-1.

## Criteriu A2

### 2.1. Articole în reviste cotate ISI

1. **Vâtcă, S.**, Vidican, R., Gâdea, Ș., Horvat, M., Vâtcă, A., Stoian, V. A., Stoian, V. (2020). Blackcurrant Variety Specific Growth and Yield Formation as a Response to Foliar Fertilizers. *Agronomy*, 10(12), 2014. (**Jurnal cotat ISI, factor de impact 2.603**) WOS:000601680000001  
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2. **Vâtcă, S.**, Gâdea, Ș., Vâtcă, A., Chîntă, D., Stoian, V. (2020). Black currant response to foliar fertilizers–modeling of varietal growth dynamics. *Journal of Plant Nutrition*, 43(14), 2144-2151. (**Jurnal cotat ISI, factor de impact 1.132**) WOS:000534937400001  
<https://www.tandfonline.com/doi/abs/10.1080/01904167.2020.1766070>
3. Beinsan, C., Șumălan, R., Vâtcă, A., Gâdea, Ș., Vâtcă, S. (2020). Research Regarding the Chemical Fertilizers Effects on Physiological Indices and Protein at Soybean (Glycine max L. Merr.). *Bulletin UASVM Food Science and Technology*, 77(1). **Jurnal cotat ISI, fără factor de impact** WOS:000536725500009  
<http://journals.usamvcluj.ro/index.php/fst/article/viewFile/13725/pdf>
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<http://landreclamationjournal.usamv.ro/pdf/2020/Art21.pdf>
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6. Croitoru, A. E., Man, T. C., **Vâtcă, S. D.**, Kobulniczky, B., Stoian, V. (2020). Refining the Spatial Scale for Maize Crop Agro-Climatological Suitability Conditions in an Area with Complex Topography towards a Smart and Sustainable Agriculture. Case Study: Central Romania (Cluj County). Sustainability, 12(7), 2783. (**Jurnal cotat ISI, factor de impact 2.576**) WOS:000531558100208  
<https://www.mdpi.com/2071-1050/12/7/2783>
7. Crișan, I., Vidican, R., Stoian, V., **Vâtcă, S.** (2019). Prospecting the influence of potting substrate and am inoculation on Iris pseudacorus L. Agronomy Series of Scientific Research/Lucrari Stiintifice Seria Agronomie, 61(2). (**Jurnal cotat ISI, fără factor de impact**) WOS:000503422700023  
[http://agronomyjournal.usamv.ro/pdf/2019/issue\\_2/Art23.pdf](http://agronomyjournal.usamv.ro/pdf/2019/issue_2/Art23.pdf)
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10. **Vâtcă, S.**, Gâdea, S., (2003). Research regarding Chenopodium album germination, Bulletin of University of Agricultural Sciences and Veterinary Medicine-Agriculture Section Agronomy, october 9-11, Cluj Napoca, p. 248 (**Jurnal cotat ISI Proceedings**) WOS:000229586700063  
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14. **Vâtcă, S.**, Gâdea, S., Vâtcă, A., (2006). The determination of Chenopodium album seeds respiration intensity, Bulletin of University of Agricultural Sciences and Veterinary Medicine-Agriculture, seria Agricultură, p.176; (**Jurnal cotat ISI Proceedings**) WOS:000245237700032  
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## 2.2. Articole BDI

1. Vâtcă, S., Ștefania Gâdea, Anamaria Vâtcă, Valentina Stoian, 2020, *Research trends in ecophysiology of medicinal plants*, Hop and Medicinal Plants, Year XXVIII, No. 1-2, 178-188, <http://journals.usamvcluj.ro/index.php/hamei/article/view/13996/11486>
2. Gâdea, Ștefania, Ileana Bogdan, Anamaria Vâtcă, Valentina Stoian, S. Vâtcă, 2020, *A short history and use of hemp*, Agricultura, Vol 115, No 3-4 (2020), <https://journals.usamvcluj.ro/index.php/agricultura/article/view/13970/pdf>
3. Gâdea, Ștefania, Anamaria Vâtcă, Ileana Bogdan, Valentina Stoian, S. Vâtcă, 2019, *Physiological and biochemical strategies for CO<sub>2</sub>fixation in plants*, Agricultura, Vol 111, No 3-4, <http://journals.usamvcluj.ro/index.php/agricultura/article/view/13573/pdf>
4. Voievod, M., Adriana P. David, Cristina M. Gliga, Al. Naghiu, C. Gh. Topan, S. Vâtcă, 2020, *The Influence Of Steam On Some Chemical Soil Properties-Review*, Agricultura, vol 113, nr.1-2, <https://journals.usamvcluj.ro/index.php/agricultura/article/view/13803/pdf>
5. Voievod, M., Adriana P. David\*, O. Ranta, C. Topan, Maria O. Moldovan, Cristina Gliga, Al. Naghiu, Svetlana Micle, S. Vâtcă, 2020, *Study on meteorological parameters (temperature and precipitation) in Cluj Napoca in the interval 2015-2020*, Agricultura, Vol 115, No 3-4 (2020), Print ISSN 1221-5317, <http://journals.usamvcluj.ro/index.php/agricultura/article/view/13914>
6. Racz, I., Rozalia Kadar, S. Vâtcă, Ioana V. Berindean, A. Ceclan, Diana Hirișcău, Camelia Urdă, 2019, *Relationship Between Flag Leaf Characteristics and Main Yield Components in Oat (Avena sativa L.)*, Bulletin of University Of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Agriculture Vol 76, No 1, <https://journals.usamvcluj.ro/index.php/agriculture/article/view/13345/10950>
7. Rotaru, Ancuța, Ioana Pop, S. Vâtcă, Luisa Andronie, Mirela Cadar, Anamaria Vâtcă, 2018, Streamlining a Transport Network Using GIS Technology, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Animal Science and Biotechnologies*, Vol 75, No 1, <https://journals.usamvcluj.ro/index.php/zootehnie/article/view/12975/10605>
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24. Moldovan, Cristina, G. Morar, **S. Vâtcă**, Firuța Todoran, 2011, *Research Concerning the Influence of Photoperiod upon Potato Stolonization and Tuberization*, Bulletin UASVM Agriculture, 68(1)/2011, pag 224-230, <http://journals.usamvcluj.ro/index.php/agriculture/article/view/6445>
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Semnătura  
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