

LISTA PUBLICAȚIILOR

1. SELECȚIE 10 LUCRĂRI RELEVANTE

1. **Scutarașu E.C.**, Luchian C.E., Colibaba L.C., Cotea V., 2022 - *Enzymes and Biochemical Catalysis in Enology: Classification, Properties, and Use in Wine Production; in Recent Advances in grapes and wine production*, editat de Jordão A.M., Botelho R., Miljić U., 31 p., <https://10.5772/intechopen.105474>.

2. Luchian C.E., **Scutarașu E.C.**, Colibaba L.C., Focea M.C., Cotea V., 2023 - *Trends to reduce the effects of global warming - applications of osmosis to obtain sparkling wines with moderate alcohol concentrations*, în *Grapes and Grape Products - Chemistry and Technology*, editat de Cosme F., Nunes F.M., Filipe-Ribeiro L., 23 p., ISBN 978-0-85466-272-2. <https://doi.org/10.5772/intechopen.1003034>.

3. **Scutarașu E.C.**, Luchian C.E., Cioroiu B.I., Niculaua M., Vlase A.M., Cotea V.V., Vlase L., 2024 - *Evaluation of the Nutritional Quality of Some Fruits Grown in Romania*, Recent Advances in Technology Research and Education, editat de Ono Y., Kondoh J.: Inter-Academia 2023, LNNS 939, pp. 1–18. https://doi.org/10.1007/978-3-031-54450-7_15.

4. **Scutarașu E.C.**, Trincă L.C., 2023 - *Heavy metals in foods and beverages: global situation, health risks and reduction methods*, *Foods* 12(18):3340, **FI=5,2**. <https://doi.org/10.3390/foods12183340>.

5. Luchian C.E., **Scutarașu E.C.**, Colibaba L.C., Grosaru D., Cotea V., 2023 - *Studies on the Enhancement of Sparkling Wine and Chocolate Pairing through Compositional Profile Analysis*, *Foods*, 12(18): 3516, **FI = 5,2**. <https://doi.org/10.3390/foods12183516>.

6. **Scutarașu E.C.**, Luchian C.E., Vlase L., Nagy K., Colibaba L.C., Trincă L.C., Cotea V., 2022 - *Influence evaluation of enzyme treatments on aroma profile of white wines*, *Agronomy* 12(11):2897, zona Q1, **FI = 3,7**. <https://doi.org/10.3390/agronomy12112897>.

7. **Scutarașu E.C.**, Luchian C.E., Cioroiu B.I., Trincă L.C., Cotea V., 2022 - *Increasing amino acids content of white wines with enzymes treatments*, *Agronomy* 12(6):1406 zona Q1, **FI = 3,7**. <https://doi.org/10.3390/agronomy12061406>.

8. **Scutarașu E.C.**, Teliban I.V., Zamfir C.I., Luchian C.E., Colibaba L.C., Niculaua M.N., Cotea V.V., 2021 - *Effect of different winemaking conditions on organic acids compounds of white wines*, *Foods*, 10:2569, zona Q2, **FI = 5,2**. <https://doi.org/10.3390/foods10112569>.

9. **Scutarașu E.C.**, Luchian C.E., Vlase L., Colibaba L.C., Gheldiu A.M., Cotea V.V., 2020 - *Evolution of phenolic profile of white wines treated with enzymes*, *Food Chemistry*, nr. 127910, zona Q1, **FI = 9,23**. <https://doi.org/10.1016/j.foodchem.2020.127910>.

10. **Scutarașu E.C.**, Trincă L.C., 2022 - *Evaluarea calității substraturilor alimentare primare*. Editura Ion Ionescu de la Brad, ISBN 978-973-147-475-5, 315 p.

2. TEZA DE DOCTORAT

1. **Scutarașu E.C., 2021** - *Studii privind influența folosirii unor preparate enzimatică în tehnologia de obținere a vinurilor albe în podgoria Iași*, USV Iași.

3. CĂRȚI ȘI CAPITOLE

3.1. CĂRȚI

1. **Scutarașu E.C., Trincă L.C., 2022** - *Evaluarea calității substraturilor alimentare primare*. Editura Ion Ionescu de la Brad, ISBN 978-973-147-475-5, 315 p. (160 p. contribuție personală).

2. Luchian C.E., Cotea V.V., **Scutarașu E.C., Colibaba L.C., 2021** - *Metode și tehnici de analiză a calității băuturilor*, Editura Ion Ionescu de la Brad, ISBN: 978-973-147-372-7, 343 p. (85 p. contribuție personală).

3.2. CAPITOLE

1. **Scutarașu E.C., Luchian C.E., Cioroiu B.I., Niculaua M., Vlase A.M., Cotea V.V., Vlase L., 2024** - *Evaluation of the Nutritional Quality of Some Fruits Grown in Romania*, Recent Advances in Technology Research and Education, editat de Ono Y., Kondoh J.:Inter-Academia 2023, LNNS 939, 18 pag (contribuție proprie 50 %). https://doi.org/10.1007/978-3-031-54450-7_15.

2. Luchian C.E., Focea E.C., **Scutarașu E.C., Motrescu I., Vlase A.M., Vlase L., Colibaba L.C., Cotea V., 2024** - *Oak Aging and Ultrasound Treatment for Improving the Sensory Profile of Sauvignon Blanc Wines*, Recent Advances in Technology Research and Education, editat de Ono Y., Kondoh J.:Inter-Academia 2023, LNNS 939, 18 pag. (contribuție proprie 13 %). https://doi.org/10.1007/978-3-031-54450-7_14.

3. Luchian E.C., Codreanu M., **Scutarașu E.C., Colibaba L.C., Cotea V., 2024** - *Impact of nanomaterials on wine quality. A focus of siliceous, aluminosiliceous and carbon-based nanomaterials on the phenolic fraction of wine*, în *Exploring Natural Phenolic Compounds - Recent Progress and Practical Applications*, editat de Gouvinhas I., ISBN 978-0-85466-740-6, 22 pag. (contribuție proprie 20 %). <https://doi.org/10.5772/intechopen.1005268>.

4. Luchian C.E., **Scutarașu E.C., Colibaba L.C., Focea M.C., Cotea V., 2023** - *Trends to reduce the effects of global warming - applications of osmosis to obtain sparkling wines with moderate alcohol concentrations*, în *Grapes and Grape Products - Chemistry and Technology*, editat de Cosme F., Nunes F.M., Filipe-Ribeiro L., 27 p. (contribuție proprie 20 %), ISBN 978-0-85466-272-2. <https://doi.org/10.5772/intechopen.1003034>.

5. **Scutarașu E.C., Luchian C.E., Colibaba L.C., Cotea V., 2022** - *Enzymes and Biochemical Catalysis in Enology: Classification, Properties, and Use in Wine Production*;

in *Recent Advances in grapes and wine production*, editat de Jordão A.M., Botelho R., Miljić U., 31 p. (contribuție proprie 50 %), <https://10.5772/intechopen.105474>.

4. LUCRĂRI ISI

4.1. LUCRĂRI ISI CU FACTOR DE IMPACT

1. **Scutarașu E.C.**, Trincă L.C., 2023 - *Heavy metals in foods and beverages: global situation, health risks and reduction methods*, *Foods* 12(18):3340, **FI=5,2**. <https://doi.org/10.3390/foods12183340>.

2. Luchian C.E., Scutarașu E.C., Colibaba L.C., Grosaru D., Cotea V., 2023 - *Studies on the Enhancement of Sparkling Wine and Chocolate Pairing through Compositional Profile Analysis*, *Foods*, 12(18): 3516, **FI = 5,2**. <https://doi.org/10.3390/foods12183516>.

3. **Scutarașu E.C.**, Luchian C.E., Vlase L., Nagy K., Colibaba L.C., Trincă L.C., Cotea V., 2022 - *Influence evaluation of enzyme treatments on aroma profile of white wines*, *Agronomy* 12(11):2897, zona Q1, **FI = 3,7**. <https://doi.org/10.3390/agronomy12112897>.

4. **Scutarașu E.C.**, Luchian C.E., Cioroiu B.I., Trincă L.C., Cotea V., 2022 - *Increasing amino acids content of white wines with enzymes treatments*, *Agronomy* 12(6):1406 zona Q1, **FI = 3,7**. <https://doi.org/10.3390/agronomy12061406>.

5. **Scutarașu E.C.**, Teliban I.V., Zamfir C.I., Luchian C.E., Colibaba L.C., Niculaua M.N., Cotea V.V., 2021 - *Effect of different winemaking conditions on organic acids compounds of white wines*, *Foods*, 10:2569, zona Q2, **FI = 5,2**. <https://doi.org/10.3390/foods10112569>.

6. Popîrdă A., Luchian C. E., Cotea V. V., Colibaba L. C., **Scutarașu E. C.**, Toader A. M., 2021 - *A review of representative methods used in wine authentication*, *Agriculture*, 11(3):225, zona Q1, **FI = 3,408**. <https://doi.org/10.3390/agriculture11030225>.

7. Cotea V.V., Focea M.C., Luchian C.E., Colibaba L.C., **Scutarașu E.C.**, Marius N., Zamfir C.I., Popîrdă A., 2021 - *Influence of Different Commercial Yeasts on Volatile Fraction of Sparkling Wines*, *Foods*, 10(2):247, zona Q2, **FI = 5,2**. <https://doi.org/10.3390/foods10020247>

8. **Scutarașu E.C.**, Luchian C.E., Vlase L., Colibaba L.C., Gheldiu A.M, Cotea V.V., 2020 - *Evolution of phenolic profile of white wines treated with enzymes*, *Food Chemistry*, nr. 127910, zona Q1, **FI = 9,23**. <https://doi.org/10.1016/j.foodchem.2020.127910>.

4.2. LUCRĂRI ISI FĂRĂ FACTOR DE IMPACT

1. Focea E.C., Luchian C.E., Colibaba L.C., **Scutarașu E.C.**, Popîrdă A., Focea M.C., Niculaua M., Cotea V., 2023 - *Application of ultrasounds to improve oak aging of white wines*, *Bio Web of Conferences* 56, 02021.

2. Călin I., Luchian C.E., Colibaba L.C., **Scutarașu E.C.**, Popîrdă A., Cimpoi V., Zamfir C.I., Cotea V.V., 2021 - *Study concerning the influence of sulphur dioxide and dimethyl dicarbonate treatments in wine*, *Scientific Papers, Series B, Horticulture*, vol. LXIV(2):139-148.

3. Cimpoi V.I., Rotaru L., Colibaba L.C., **Scutarașu E.C.**, Călin I., Alexandru C.L., 2020 - *Influence of carbohydrate content on grafting in wine grape varieties 'Aromat de Iași' and 'Golia'*, Scientific Papers, Series B, Horticulture, vol. LXIV(1):248-254.
4. Cimpoi V. I., Rotaru L., Filimon V. R., Colibaba L. C., **Scutarașu E. C.**, Călin I., 2020 - *Nursery Vegetative growth of 'Gelu' and 'Paula' grape varieties, by analysis of foliary photosynthetic pigments*, Scientific Papers, Series B, Horticulture, LXIV(1):255-261.
5. **Scutarașu E.C.**, Cotea V.V., Luchian C.E., Colibaba L.C., Katalin N., Oprean R., Niculaua M., 2019 - *Influence of enzymatic treatments on white wine composition*, BIO Web of Conferences, 15:02032. <https://doi.org/10.1051/bioconf/20191502032>.
6. Luchian C.E., **Scutarașu E.C.**, Colibaba L.C., Cotea V.V., Vlase L., Toiu A.M., 2019 - *Evaluation of byproducts from the wine-making industry by identification of bioactive compounds*, BIO Web of Conferences, 12:04007. <https://doi.org/10.1051/bioconf/20191204007>.
7. **Scutarașu E.C.**, Luchian C.E., Colibaba L.C., Cotea V.V., Niculaua M., Călin I., Moraru I., 2019 - *Influence of enzymes treatment on physico-chemical parameters of Fetească regală wines*, Scientific Papers, Series B, Horticulture, LXIII:253-258. http://horticulturejournal.usamv.ro/pdf/2019/issue_1/Art36.pdf.
8. Călin I., Cotea V.V., Luchian C.E., Colibaba L.C., Zamfir C.I., Tudose-Sandu-Ville Ș., Niculaua M., **Scutarașu E.C.**, 2019 - *Compositional and sensory characteristics of some aromatic and semi-aromatic wines from Iași Vineyard*, Scientific Papers, Series B, Horticulture, LXIII:271-276. http://horticulturejournal.usamv.ro/pdf/2019/issue_1/Art39.pdf.
9. Colibaba L.C., **Scutarașu E.C.**, Codreanu M., Călin I., Luchian C.E., Cotea V.V., 2019 - *Data on changes in wine phenolic compounds, biogenic amines and amino acids composition after treatment with carbon-based materials*, E-Health and Bioengineering Conference (EHB), 1-4. <https://doi.org/10.1109/EHB47216.2019.8969922>.
10. Luchian C.E., Popîrdă A., Colibaba L.C., Popa A.G., **Scutarașu E.C.**, Rotaru L., Cotea V. V., 2019 - *Quantitative determination of heavy metal in water and sediment from lakes in North Moldova, Romania*, E-Health and Bioengineering Conference, 1-4. <https://doi.org/10.1109/EHB47216.2019.8969910>.
11. Nistor A.M., Grigorică L.G., **Scutarașu E.C.**, Cotan Ș D., Cotea V.V., Niculaua M., 2018 - *Evaluating some olfactory characteristics of wine in the context of global warming in the „Plaiurile Drâncei” viticultural region*, Scientific Papers, Series B, Horticulture, LXII:331-335. <http://horticulturejournal.usamv.ro/pdf/2018/Art55.pdf>.

5. LUCRĂRI BDI

1. **Scutarașu E.C.**, Cotea V.V., Luchian C.E., Trincă L.C., Scutarașu A., 2022 - *Evaluation of phenolic compounds in white wines treated with enzymes*, Journal of Applied Life Sciences and Environment, LIV, 4(188):405-416. <http://doi.org/10.46909/journalalse-2021-035>.
2. Grosaru D.F., Luchian C.E., **Scutarașu E.C.**, Colibaba L.C., Zamfir C.I., Cotea V.V., 2022 - *Studies on some still wines obtained by the blanc de noirs method*. Journal of Applied Life Sciences and Environment 55(1): 11-19. <http://doi.org/10.46909/alse-551042>.

3. **Scutarașu E.C.**, Luchian C.E., Colibaba L.C., Cotea V.V., Călin I., Andrieș M.T., Cimpoi V.I., 2019 - *Influence of enzymes treatment on the quality of Sauvignon blanc wines*, *Lucrări Științifice Seria Horticultură*, 62(1):133-138. http://www.uaiasi.ro/revista_horti-en/files/Nr1_2019/19.%20Scutarasu%20E.C..pdf.

4. Cimpoi V.I., Rotaru L., Colibaba L.C., Călin I., **Scutarașu E.C.**, Alexandru L.C., 2019 - *Influence of carbohydrate content on grafting in table grape varieties Gelu and Paula*, *Lucrări Științifice Seria Horticultură*, 62(1):119-126. http://www.uaiasi.ro/revista_horti-en/files/Nr1_2019/17.%20Cimpoi%20V..pdf.

5. Călin I., Cotea V.V., Luchian C.E., Colibaba L.C., Zamfir C.I., **Scutarașu E.C.**, Cimpoi V. I., 2019 - *Influence of sulphur dioxide and dimethyl dicarbonate on white wines quality*, *Lucrări Științifice Seria Horticultură*, 62(1):127-132, http://www.uaiasi.ro/revista_horti-en/files/Nr1_2019/18.%20Calin%20I..pdf.

6. Luchian C.E., **Scutarașu E.C.**, Cotea V.V., Popîrdă A., Colibaba L.C., 2018 - *Analiza unor parametri fizico-chimici și senzoriali pentru vinuri românești și cipriote*, *Lucrări Științifice*, 47:335-340, Universitatea Agrară de Stat din Moldova. https://ibn.idsi.md/ro/vizualizare_articol/88111.

7. **Scutarașu E.C.**, Luchian C.E., Popîrdă A., Tudose-Sandu-Ville Ș., Cotea V.V., Niculaua M., Colibaba L.C., Nistor A.M., 2018 - *Identificarea unor compuși volatili din vinurile albe obținute în Podgoria Iași*, *Lucrări Științifice*, 47:331-335, Universitatea Agrară de Stat din Moldova. https://ibn.idsi.md/ro/vizualizare_articol/88110.

8. **Scutarașu E.C.**, Cotea V., Cotea V.V., Niculaua M., Luchian C.E., Colibaba L.C., Nistor A.M., 2018 - *Evaluation of phenolic compounds by ecological spectrometric methods*, *Lucrări Științifice Seria Horticultură*, 61(2):123-128. http://www.uaiasi.ro/revista_horti/files/Nr2_2018/19.%20Scutarasu%20E.C..pdf.

9. Buzdugan V., Niculaua M., Luchian C. E., Popîrdă A., Colibaba L.C., **Scutarașu E.C.**, Cotea V.V., 2018 - *Evaluation of the aroma and sensory characteristics of plum distillates obtained in the Arges region*, *Lucrări Științifice Seria Horticultură*, 61(2):99-104, <https://repository.uaiasi.ro/xmlui/handle/20.500.12811/434>.

6. ALTE CONTRIBUȚII ȘTIINȚIFICE

6.1. PREZENTĂRI CONFERINȚE FĂRĂ PUBLICARE

1. Popîrdă A., Luchian C.E., Cotea V.V., Colibaba L.C., **Scutarașu E.C.**, Nechita C.B., Toader A.M., 2020 - *Classic and Innovative Methods in Wine Authenticity: a Review*, The International Conference of Food Physicists. 14-th Edition, ICFP 2020, 5-6 November, Iași, Romania.

2. Călin I., Cotea V.V., Lipșa F.D., Colibaba L.C., Luchian C.E., **Scutarașu E.C.**, Cerbu M.I., Cimpoi V.I., Zamfir C.I., 2020 - *Influence of stabilisation treatments on the sensory characteristics of white wines*, prezentată cu poster la Congresul Științific Internațional "Life sciences today for tomorrow", USAMV Iași, în perioada 22-23 octombrie 2020.

3. **Scutarașu E.C.**, Trincă L.C., Cotea V.V., Luchian C.E., Cozma A.P., Călin I., 2021 - *Influence of enzymes on the phenolic compounds content from Sauvignon blanc wines*,

prezentată la Congresul Științific Internațional ‘Life Sciences Today for Tomorrow’, organizat în perioada 21.10.2021 – 22. 10. 2021 de USV Iași.

4. Trincă L.C., **Scutarașu E.C.**, Cozma A.P., Văleanu Neculau A.S., Arition A.M., Ungureanu A., Trofin E., 2022 - *Investigation of the antioxidant capacity of white wines based on cuprac method by using screen-printed microelectrodes*, la Scientiarum Vitae Congressum, USV Iași, în perioada 20.10.2022 – 21.10.2022.

5. **Scutarașu E.C.**, Luchian C.E., Colibaba L.C., Nagy K., Trincă L.C., Cotea V.V., 2022 - *Enzymes impact during fermentation on volatile and sensory profile of white wines*; prezentată la conferința In Vino Analytica Scientia, Neustadt - Germania, în perioada 3.07.2022 – 7.07.2022.

6. **Scutarașu E.C.**, Luchian C.E., Trincă L.C., Cioroiu I.B., Cotea V.V, 2022 - *Comparison between the nutritional potential of table grapes and other summer fruits*. 43RD World Congress Of Vine And Wine, oct 31 - nov 4, 2022, Baja California, México.

7. **Scutarașu E.C.**, Luchian C.E., Colibaba L.C., Cioroiu I.B., Niculaua M., Niță R.G., Trincă LC., Cotea V. - *The importance of yeasts on the nutritional quality of wines related to melatonin content*, Poster, 44th World Congress of Vine and Wine, 5-9 iunie 2023, Cadiz-Jerez, Spania

8. Luchian C.E., **Scutarașu E.C.**, Colibaba L.C., Cotea V., Grosaru D., 2023 - *Predictability of sparkling wine and chocolate pairing using a sensory approach*, Poster, 44th World Congress of Vine and Wine, 5-9 iunie 2023, Cadiz-Jerez, Spania.

9. Luchian C.E., Focea E.C., **Scutarașu E.C.**, Motrescu I., Vlase A.M., Vlase L., Colibaba L.C., Cotea V., 2023 - *Oak aging and ultrasound treatment for improving the sensory profile of Sauvignon Blanc wines*, prezentare orală, 20th International Conference on Global Research and Education INTER-ACADEMIA 2023, 27-28 septembrie 2023, Hamamatsu, Japonia

10. **Scutarașu E.C.**, Luchian C.E., Cioroiu B.I., Niculaua M., Vlase A.M., Cotea V., Vlase L., *Evaluation of the nutritional quality of some fruits grown in Romania*, prezentare orală, 20th International Conference on Global Research and Education INTER-ACADEMIA 2023, 27-28 septembrie 2023, Hamamatsu, Japonia.

6.2. PREMII OBȚINUTE

1. **Medalie de aur, 2023** - Euroinvent Book Salon - Luchian C., Cotea V., **Scutarașu E.C.**, Colibaba L.C., 2021 - *Metode și tehnici de analiză a calității băuturilor*, Editura Ion Ionescu de la Brad, Iași, ISBN 978-973-147-372-7.

2. **Medalie de aur, 2023** - 2nd Edition of the International Exhibition of Innovation and Technology Transfer EXCELLENT Idea: **Scutarașu E.C.**, Luchian C.E., Vlase L., Nagy K., Colibaba L.C., Trincă L.C., Cotea V.V., 2022 - *Influence evaluation of enzyme treatments on aroma profile of white wines*, Agronomy Basel, 12(11), zona Q1, **FI = 3,7**. <https://doi.org/10.3390/agronomy12112897>.

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4. **Premiu PRECISI_2021:** Cotea V. V, Focea C.M., Luchian C.E., Colibaba L.C., Scutarașu E.C., Niculaua M., Zamfir C.I., Popîrdă A., 2021 - *Influence of different commercial yeasts on volatile fraction of sparkling wines*, Foods, 10 (2):247, zona Q1, **FI = 5,2**. <https://doi.org/10.3390/foods10020247>.

5. **Premiu PRECISI_2021:** Scutarașu E.C., Luchian C.E., Vlase L., Colibaba L.C., Gheldiu A.M., Cotea V., 2021 - *Evolution of phenolic profile of white wines treated with enzymes*, Food chemistry, 340:127910, zona Q1, **FI = 9,23**. <https://doi.org/10.1016/j.foodchem.2020.127910>.

6. **Premiu PRECISI_2021:** Popîrdă A., Luchian E.C., Cotea V., Colibaba L.C., Scutarașu E.C., Toader A.M., 2021 - *A review of representative methods used in wine authentication*, Agriculture, 11(3):225, zona Q1, **FI = 3,408**. <https://doi.org/10.3390/agriculture11030225>.

7. **Premiu PRECISI_2023:** Scutarașu E.C., Luchian C.E., Vlase L., Nagy K., Colibaba L.C., Trincă L.C., Cotea V.V., 2022 - *Influence evaluation of enzyme treatments on aroma profile of white wines*, Agronomy Basel, 12(11), zona Q1, **FI = 3,7**. <https://doi.org/10.3390/agronomy12112897>.

8. **Premiu PRECISI_2023:** Scutarașu E.C., Teliban I.V., Zamfir C.I., Luchian C.E., Colibaba L.C., Cotea V., 2021 - *Effect of different winemaking conditions on organic acids compounds of white wines*, Foods, 10:2569, zona Q2, **FI = 5,2**. <https://doi.org/10.3390/foods10112569>.

9. **Premiu PRECISI_2023:** Scutarașu E.C., Luchian C.E., Cioroiu B.I., Trincă L.C., Cotea V., 2022 - *Increasing amino acids content of white wines with enzymes treatments*, Agronomy 12(6), 1406, zona Q1, **FI = 3,7**. <https://doi.org/10.3390/agronomy12061406>.

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