

LISTĂ PUBLICAȚII

ARTICOLE ISI

1. Nistor D.I., **Marc R.A.***, Mureșan C.C., Phytochemistry, nutritional composition, health benefits and future prospects of *Mespilus germanica* L. (Medlar): A review, Food Chemistry: X, 2024, 22, 101334. **IF 6.1**, <https://doi.org/10.1016/j.fochx.2024.101334>
2. Buzgau G., **Marc R.A.***, Mureșan C.C., Fărcaș A., Socaci S.A., Mureșan A., Muste S., The study of the quality parameters of the tortilla chips products formulated from mixtures of corn flour and legumes, Turkish Journal of Agriculture and Forestry, 2023, 47: 772-786. **IF 2.9**, <https://doi.10.55730/1300-011X.3126>
3. Pușcaș A., Tanislav A.E., **Marc R.A.**, Mureșan V., Mureșan A., Valorisation of mango peel and seed wastes in a biologically enriched biscuit assortment, Turkish Journal of Agriculture and Forestry, 2023, 47: 1174-1181. **IF 2.9**. <https://doi.org/10.55730/1300-011X.3156>
4. **Marc R.A.**, Mureșan V., Mureșan A.E, Mureșan C.C., Tanislav A.E, Pușcaș A., Marțiș G.S., Ungur R.A., Spicy and Aromatic Plants for Meat and Meat Analogues Applications, Plants, 2022, 11, 960. **IF 4.658** <https://doi.org/10.3390/plants11070960>
5. Pușcaș A., Tanislav A.E., **Marc R.A.**, Mureșan V., Mureșan ., A.E., Pall E., Cerbu C., Cytotoxicity Evaluation and Antioxidant Activity of a Novel Drink Based on Roasted Avocado Seed Powder. Plants 2022, 11, 1083. **IF 4.658**, <https://doi.org/10.3390/plants11081083> WOS:000785043000001
6. Mureșan A.E, Sestraș A.F., Militaru M., Păucean A., Tanislav A.E., Pușcaș A., Mateescu M., Mureșan V., **Marc (Vlaic) R. A.**, Sestraș R.E, Chemometric Comparison and Classification of 22 Apple Genotypes Based on Texture Analysis and Physico-Chemical Quality Attributes. Horticulturae 2022, 8, 64, **IF 2.331**. <https://doi.org/10.3390/horticulturae8010064>. WOS:000747725700001
7. **Marc (Vlaic) R.A.**, Niculae M., Páll E., Mureșan V.*, Mureșan A.*, Tanislav A., Pușcaș A., Mureșan C.C., Cerbu C., Red Oak (*Quercus rubra* L.) Fruits as Potential Alternative for Cocoa Powder: Optimization of Roasting Conditions, Antioxidant, and Biological Properties; Forests, 2021, 12 (1088), 1-13. **IF 2.633**, <https://doi.org/10.3390/f12081088>
8. Mureșan C.C., **Marc (Vlaic) R.A.***, Semeniuc C.A., Socaci S.A., Fărcaș A., Fracisc D., Pop C.R., Rotar A., Dodan A., Mureșan V., Mureșan A.E. Changes in Physicochemical and

- Microbiological Properties, Fatty Acid and Volatile Compound Profiles of Apuseni Cheese during Ripening, *Foods*, 2021, 10, 258. **IF 4.350**. <https://doi.org/10.3390/foods10020258>
9. Rusu I.E., **Marc (Vlaic) R.A.***, Mureșan C.C.*, Mureșan A.E., Filip M.R., Onica B.M., Csaba K.B., Alexa E., Szanto L., Muste S., , Advanced Characterization of Hemp Flour (*Cannabis sativa* L.) from Dacia Secuieni and Zenit Varieties, Compared to Wheat Flour; *Plants*, 2021, 10 (1237), 1-14, **IF 3.935** <https://doi.org/10.3390/plants10061237>
 10. Rusu I.E., **Marc (Vlaic) R.A.***, Mureșan C.C.*, Mureșan A.E., Mureșan V., Pop C.R., Chiș M.S., Man S.M., Filip M.R., Onica B.M., Alexa E., Vișan V.G., Muste S., Hemp (*Cannabis sativa* L.) Flour-Based Wheat Bread as Fortified Bakery Product; *Plants*, 2021, 10 (1237), 1-14, **IF 3.935 Q1**, <https://doi.org/10.3390/plants10081558>
 11. Mureșan C.C., **Marc (Vlaic) R.A.***, Mureșan V., Mureșan A., Marțiș G., Socaci S., Farcaș A., Filip M.R., Muste S., Bioactive compounds, volatile, and texture profile of muffins after partial substitution of butter and milk; *International Food Research Journal*, 2021, 28(3), 489 – 502, **IF 1.014**. <https://doi.org/10.47836/ifrj.28.3.08>
 12. Marțiș, (Petruț) G.S., Mureșan V.*, **Marc (Vlaic) R.**, Mureșan C.C., Pop C.R., Buzgău G., Mureșan A.E., Ungur R.A.*, Muste S., The Physicochemical and Antioxidant Properties of *Sambucus nigra* L. and *Sambucus nigra* Haschberg during Growth Phases: From Buds to Ripening, *Antioxidants*, 2021, 10 (1093), 1-26, **IF 6.312** <https://doi.org/10.3390/antiox10071093>
 13. Tanislav A.E., Pușcaș A., Mureșan A., Marțiș (Petruț) G., **Marc (Vlaic) R.**, Mureșan V.*, Preliminary Results for Improving the Colloidal Stability of Sunflower Tahini and Halva Products by Wax Based Oleogelation Mechanism *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca-Food Science and Technology*, 2021, 78 2, 84-92 **IF 0.0**. <https://doi.org/10.15835/buasvmcn-fst:2021.0010>
 14. Mureșan C.C., **Marc (Vlaic) R. A.***, Jimborean M., Rusu I., Mureșan A., Nistor A., Cozma A., Suharoschi R., Food Safety System (HACCP) as Quality Checkpoints in a Spin-Off Small-Scale Yogurt Processing Plant, *Sustainability*, 2020, 12, 9472, **IF 2.576**. <https://doi.org/10.3390/su12229472>
 15. **Vlaic R.A.**, Mureșan C.C., Muste S., Mureșan V., Pop A., Petruț G., Mureșan A., *Boletus Edulis* Mushroom Flour-Based Wheat Bread as Innovative Fortified Bakery Product, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca-Food Science*

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16. Chiș M.S., Păucean A., Stan L., Mureșan V., **Vlaic R.A.**, Man S. , Biriș-Dorhoi E.S., Muste S., Lactobacillus plantarum ATCC 8014 in quinoa sourdough adaptability and antioxidant potential, Romanian Biotechnological Letters, 2018, 23(3), 13581-13591, **IF 0.412**. <http://www.rombio.eu/vol23nr3/4.pdf>
17. **Vlaic R.A.**, Mureșan A.E., Mureșan C.C., Petruț G.S., Mureșan V., Muste S., 2018. Quantitative Analysis by HPLC and FT-MIR Prediction of Individual Sugars from the Plum Fruit Harvested during Growth and Fruit Development, Agronomy 2018, 8, 306, **IF 1.419**, <https://doi.org/10.3390/agronomy8120306>
18. **Vlaic R.A.**, Mureșan V., Mureșan A.E., Mureșan C.C., Păucean A., Mitre V., Chiș S.M., Muste S., The Changes of Polyphenols, Flavonoids, Anthocyanins and Chlorophyll Content in Plum Peels during Growth Phases: from Fructification to Ripening, Not Bot Horti Agrobo, 2018, 46(1):148-155, **IF 0.648**. <https://doi.org/10.15835/nbha46111017>
19. **Vlaic R.A.**, Socaci S.A., Mureșan A.E., Mureșan C., Moldovan O.P., Muste S., Mureșan V., Bioactive Compounds and Volatile Profile Dynamics During Fruit Growth of Several Plums Cultivars, J. Agr. Sci. Tech., 2017, 19: 1565-1576, **IF 0.813**. <http://journals.modares.ac.ir/article-23-7975-en.html>
20. Borș M.D., Semeniuc C.A., Socaci S., **Vlaic R.**, Moldovan O.P., Pop A.V., Tofană M., The influence of variety and processing on the total phenolic content and antioxidant activity of mustard, Romanian Biotechnological Letters, 2017, 22(3):12514-12519, **IF: 0.396**. <https://rombio.unibuc.ro/wp-content/uploads/2022/05/22-4-18.pdf>
21. Mureșan E.A., Muste S., Mureșan C.C., Mudura E., Păucean A., Stan L., **Vlaic R.A.**, Cerbu C.G., Mureșan V., Assessment of Polyphenols, Chlorophylls, and Carotenoids during Developmental Phases of Three Apple Varieties, Romanian Biotechnological Letters, 2017, 22(3): 12546-12553, **IF: 0.396**. <https://rombio.unibuc.ro/wp-content/uploads/2022/05/22-3-6.pdf>
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24. Racoța E., Mureșan E.A., Borșa A., **Vlaic R.A.**, Mureșan V., Ultra-Fine Friction Grinding of Sunflower Kernels – Thereof Tahini and Halva Production and Rheological Characterization, Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Food Science and Technology, 2016, 73(2):167-168, **IF 0.0.** <https://doi.org/10.15835/buasvmcn-fst:12323>
25. Muresan E.A., Muste S., Man S.M., **Vlaic R.A.**, Pop A., Muresan V., Assesment of the total antioxidant capacity of apples peels during physiological falls, Bulletin UASVM Food Science and Technology 2016, 73(2): 169-170, **IF 0.0.** <https://doi.org/10.15835/buasvmcn-fst:12325>

ARTICOLE BDI

1. Mateescu A.M., Mureșan A.E.*, Mureșan V., **Vlaic R.**, Tanislav A.E., Muste S. , The Use of Wild Apple Fruits for Innovation Confectionery, Hop and Medicinal Plants, 2022 1-2, ISSN 2360 – 0179 print, ISSN 2360 – 0187 electronic
2. Szanto L.G., Mureșan E.A.*, Pușcas A., Pop A., **Vlaic R.**, Man S., Martiș G., Muste S., Results Regarding the Valorisation of Pine Buds (*Pinus sylvestris*) in a Honey Based Food Suppliment, Hop and Medicinal Plants, 2022 1-2, ISSN 2360 – 0179 print, ISSN 2360 – 0187 electronic
3. Szanto L.G., Muste S. *, Mureșan E.A, **Vlaic R.**, Martis G.S., Beldean (Tătar) B.V., Muresan (Viman) I.E., The Use Of Common Pine (*Pinus sylvestris*) In Pharmaceutical And Food Industry Hop and Medicinal Plants, 2021, Year XXIX, No. 1-2, 2021; ISSN 2360 – 0179 print, ISSN 2360 – 0187 electronic
4. Dodan A.D., Mureșan C., Martiș (Petruț) G., **Marc (Vlaic) R.A.**, Muste S., Antioxidants Of Natural Plants Uses In Food Products. Hop and Medicinal Plants, Year XXIX, No. 1-2, 2021; ISSN 2360 – 0179 print, ISSN 2360 – 0187 electronic
5. Pantea N., Mureșan C.C., **Marc (Vlaic) R.A.**, Spaller G.A., Mureșan T., Ungur R., Borda I.M., Martis G.S., Muste S., *Sambucus graveolens* Willd As A Medicinal Plant. Hop and

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6. Fostoc G., Mureșan A.E.*, Mureșan V., **Marc R.**, Marțiș G., Muresan (Viman) I.E., Beldean (Tătar) B.V., Bordean M.E., Mateescu M.A., Muste S., Turmeric (gen. *Curcuma*) – a spice with beneficial effects for food and health. Hop and Medicinal Plants, Year XXVIII, No. 1-2, 2020, ISSN 2360-0179 print, ISSN 2360-0187 electronic
 7. Mateescu A.M., Mureșan A.E. *, Pușcaș A., Mureșan V., **Marc R.**, Muresan (Viman) I.E., Vasilica B., Beldean (Tătar), Bordean M.E., Marțiș G., Chiș M.S., Pomegranate (*Punica granatum* L.) Seeds powder application in new bakery product development. Hop and Medicinal Plants, 2020, Year XXVIII, No. 1-2, 2020 ISSN 2360-0179 print, ISSN 2360-0187 electronic, Cluj Napoca, Romania
 8. Pop A., Muste S. *, Păucean A., Chiș M.S, Man S., Salanță L., **Marc R.**, Marțiș G., A review of the drying and storage effect on some aromatic and medicinal plants, Hop and Medicinal Plants, 2020, Year XXVIII, No. 1-2, 2020 ISSN 2360–0179 print, ISSN 2360–0187 electronic, Cluj Napoca, Romania
 9. Marțiș (Petruț) G., Muste S., Mureșan A., **Vlaic R.**, Pop A., Ungur R., Pușcaș A., Bordean M.E, Mureșan V., Gelled confectionery product supplemented with guarana (*Paullinia cupana kunth*) powder. Development and characterization, Hop and Medicinal Plants, 2020, Year XXVIII, No. 1-2, 2020 ISSN 2360–0179 print, ISSN 2360–0187 electronic, Cluj Napoca, Romania
 10. Mureșan E. A., Chiș S., Cerbu C.G., Man S., Pop A., **Marc R.**, Mureșan V.*, Muste S., Development and characterization of biscuits based on sea buckthorn and blueberries by-products, Journal of Agroalimentary Processes and Technologies, Timișoara, 2019, 25 (2), 59-63
 11. Pop A., Muste S.*, Păucean A., Man S., Chiș S., Salanță L., **Marc R.**, Mureșan A., Marțiș, Petruț G., Muste S., Herbs and Spices in Terms of Food Preservation and Shelf Life, Hop and Medicinal Plants, 2019, Year XXVII, No. 1-2,2019, 57 – 65
 12. Rusu I. E., Mureșan C.*, **Vlaic R.**, Man S., Muste S., Sensory Evaluation of Bread with added Hemp Flour and its role in Consumers' Preferences, Journal of Agroalimentary Processes and Technologies, Timișoara, 2019, 25 (2), 101-105

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14. Mureșan E.A., **Vlaic R.A.**, Mureșan V., Cerbu C.G., Chiș S., Fogorași M., Man S., Muste S., Conversion of rosehip, cranberry, goji and coconut fruits into a functional tea rich in biologically active principles, Cluj Napoca, Romania, Hop and Medicinal Plants, 2018, Year XXVI, No. 1-2, 2018 ISSN 2360-0179 print, ISSN 2360-0187 electronic
15. Mureșan E.A., Muste S., **Vlaic R.A.**, Petruț G., Mureșan V. *, Cerbu G.C., Manufacturing and physico-chemical characterization of new fruit spreads obtained from blackthorn, hawthorn and rosehip Journal of Agroalimentary Processes and Technologies, 2018, 24 (4), 271-277, ISSN: 2069-0053
16. Mureșan C., **Vlaic R.**, Effect of Cranberry and Grape Seed Addition on Quality Characteristics of Cookies, Journal of Agroalimentary Processes and Technologies, 2018, 24 (4), 236-241
17. Mureșan E.A., **Vlaic R.A.**, Mureșan V., Petruț G., Chiș S., Muste S., Development and characterization of a biologically active white sauce based on horseradish, onion, parsley and parsnip, Hop and Medicinal Plants, Cluj Napoca, Romania, 2017, ISSN 2360-0179 print, ISSN 2360-0187 electronic
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CAPITOLE CARTE – INTERNAȚIONALE

1. **Marc R.A.**, Mureșan C. C., Pop A., Marțiș G. S, Mureșan A. E., Postolache A. N., Stoica F., Crivei I. C., Veleşcu I.-D., Rațu R.N. An Overview of Ripening Processes, 2023, Editura IntechOpen, <http://dx.doi.org/10.5772/intechopen.114015> ISBN 978-0-85014-126-9
2. **Marc R.A.**, Implications of Mycotoxins in Food Safety, 2022, IntechOpen Publishing, <http://dx.doi.org/10.5772/intechopen.102495> ISBN 978-1-83962-904-4
3. **Marc R.A.**, Introductory Chapter: A Global Presentation on Trends in Food Processing, 2020, IntechOpen Publishing, DOI: <http://dx.doi.org/10.5772/intechopen.91947> ISBN 978-1-78985-894-5
4. **Vlaic R.A.**, Mureșan C.C., Muste S., Mureșan A., Muresan V., Suharoschi R., Petruț G., Mihai M., Food Fortification through Innovative Technologies, 2019, IntechOpen Publishing, DOI: 10.5772/intechopen.82249 ISBN 978-1-83881-976-7
5. Suharoschi R., Pop O.L., **Vlaic R.A.**, Muresan C.I., Muresan C.C., Cozma A., Sitar-Taut A.V., Vulturar R., Heghes S.C., Fodor A., Iuga C.A., Dietary Fiber and Metabolism, 2019, Academic Press is an imprint of Elsevier, ISBN 978-0-12-816495-2

CĂRȚI – NAȚIONALE

1. Muresan C.C., **Marc R.A.**, 2021, Siguranța alimentară - trecut și prezent/Food security - past and present, Risoprint Cluj-Napoca Publishing, ISBN 978-973-53-2732-3
2. **Vlaic R.A.**, Trasabilitatea compușilor biochimici din fructele de prune/Traceability of biochemical compounds from plum fruits, 2019, MEGA Publishing, Cluj-Napoca. ISBN: 978-606-020-105-2 2019

EDITOR CĂRȚI INTERNAȚIONALE

1. **Marc R.A.**, Mureșan C.C., New Discoveries in the Ripening Processes, 2023, Editura IntechOpen, ISBN 978-0-85014-126-9
2. **Marc R.A.**, Mycotoxins and Food Safety - Recent Advances, 2022, IntechOpen Publishing, ISBN 978-1-83962-903-7

3. **Marc R.A.**, Diaz A.V., Posada Izquierdo G.D., Food Processing, 2020, IntechOpen Publishing, ISBN 978-1-78985-894-5

TEZĂ DOCTORAT

1. Cercetări privind evaluarea compușilor biochimici în timpul dezvoltării fructelor la trei soiuri de prun, susținută în **2015**, Prof coordinator Dr Muste Sevastița

BREVETE DE INVENȚIE

1. Brevet de invenție Nr. 133596 din 30.03.2023: "Sortiment de pâine". Inventatori: **Vlaic Romina Alina**, Muste Sevastița, Mureșan Vlad, Păucean Adriana, Man Simona Maria, Mureșan Crina, Pinteau Aurelia
2. Brevet de invenție Nr. 133598 din 30.01.2023: "Compoziții pentru produse zaharoase optimizate nutrițional". Inventatori: Mureșan Vlad, Rotar Adriana Reghina, Racolța Emil, Mureșan Elena Andruța, Coman Cristina, Pop Oana Lelia, **Vlaic Romina Alina**, Muste Sevastița
3. Brevet de invenție Nr. 134168 din 30.01.2023: "Compoziții de baton nutrițional pe bază de făină din germeni uscați de semințe din familiile Cucurbitaceae, Asteraceae și Amaranthaceae". Inventatori: Mureșan Elena Andruța, Mureșan Vlad, Muste Sevastița, Racolța Emil, Stan Laura, Niculae Mihaela, Galchiș Ghiță Florin, **Vlaic Romina Alina**, Petruț Georgiana

CERERI DE BREVETE

1. Cerere de brevet nr. A00899/16.11.2018 pentru cererea de brevet cu titlul "Brioșe cu apă de trandafiri și fistic" Inventatori: Vlaic Romina, Mureșan Vlad, Muste Sevastița, Păucean Adriana, Man Simona, Mureșan Andruța, Socaci Sonia, Mureșan Crina, Pop Ioan (2018)

2. Cerere de brevet nr. A00900/16.11.2018 pentru cererea de brevet cu titlul “ Crackers din făină de secară cu linte; crackers din făină de ovăz cu mix de semințe; crackers aglutenci cu ciuperci și semințe de urzici" Inventatori: Vlaic Romina, Mureșan Vlad, Muste Sevastița, Păucean Adriana, Man Simona, Mureșan Andruța, Socaci Sonia, Mureșan Crina, Pop Ioan (2018)
3. Cerere de brevet nr. A00901/16.11.2018 pentru cererea de brevet cu titlul “ Brânză maturată cu tescovină și fructe de soc " Inventatori: Mureșan Crina, Suharoschi Ramona, Rotar Ancuța, Vlaic Romina, Semeniuc Cristina, Jimborean Mirela, Petruț Georgiana Smaranda, Cozma Angela (2018)
4. Cerere de brevet nr. A01105/13.12.2017 pentru cererea de brevet cu titlul “Preparate din carne în membrană cu adaos proteic din linte roșie sau linte verde” Inventatori: Vlaic Romina, Mureșan Vlad, Muste Sevastița, Țibulcă Dorin, Semeniuc Cristina, Pop Carmen, Mureșan Crina, Gavriluț Doina (2017)
5. Cerere de brevet de invenție A00215/ 22.03.2018, Sucuri de fructe fortificate cu extracte din materii prime alternative. Inventatori: Mureșan V, Onigaș A, Páll E, Niculae M, Mureșan AE, Vlaic RA, Mureșan CC, Coman C (2018).

MANUALE DIDACTICE

1. **Marc R.A.**, Mureșan C.C., Managementul siguranței alimentelor, manual didactic ID 2024, AcademicPres Publishing, eISBN 978-630-309-089-4
2. **Marc R.A.**, Mureșan C.C., Managementul siguranței alimentelor, 2023, AcademicPres Publishing, ISBN 978-630-309-055-9
3. Mureșan C.C., **Marc R.A.**, Controlul calitatii produselor vegetale, manual didactic id, 2022, AcademicPres,USAMV CLUJ, eISBN 978-973-744-963-4

ÎNDRUMATOR DE LUCRĂRI PRACTICE

1. **Vlaic R.A.**, C.C. Mureșan, Controlul calitatii produselor de origine non-animala/ Quality control of non-animal products, 2019, Mega Publishing, ISBN 978-606-020-067-3

20 Mai 2024

Marc Romina Alina

