



LISTA COMPLETĂ DE LUCRĂRI ȘTIINȚIFICE

A. Lista celor 10 lucrări științifice relevante

1. **Trifan A**, Wolfram E, Skalicka-Woźniak K, Luca SV. *Symphytum* genus-from traditional medicine to modern uses: an update on phytochemistry, pharmacological activity, and safety. *Phytochemistry Reviews* 2025, 24, 2329–2386. <https://doi.org/10.1007/s11101-024-09977-1> (FI 7.6)
2. Luca SV, Zengin G, Sinan KI, Korona-Głowniak I, Minceva M, Skalicka-Woźniak K, **Trifan A**. Value-Added Compounds with Antimicrobial, Antioxidant, and Enzyme-Inhibitory Effects from Post-Distillation and Post-Supercritical CO₂ Extraction By-Products of Rosemary. *Antioxidants* 2023, 12(2), 244. <https://doi.org/10.3390/antiox12020244> (FI 6)
3. **Trifan A**, Czerwińska ME, Zengin G, Esslinger N, Grubelnik A, Wolfram E, Skalicka-Woźniak K, Luca SV. Influence of pyrrolizidine alkaloids depletion upon the biological activity of *Symphytum officinale* L. extracts. *Journal of Ethnopharmacology* 2023, 303, 116010. <https://doi.org/10.1016/j.jep.2022.116010> (FI 4.8)
4. Luca SV, Kulinowski L, Ciobanu C, Zengin G, Czerwinska ME, Granica S, Xiao J, Skalicka-Wozniak K, **Trifan A**. Phytochemical and multi-biological characterization of two *Cynara scolymus* L. varieties: A glance into their potential large-scale cultivation and valorization as bio-functional ingredients. *Industrial Crops and Products* 2022, 178, 114623. <https://doi.org/10.1016/j.indcrop.2022.114623> (FI 5.9)
5. **Trifan A**, Bostănar AC, Luca SV, Temml V, Akram M, Herdinger S, Kulinowski Ł, Skalicka-Woźniak K, Granica S, Czerwińska ME, Kruk A, Greige-Gerges H, Mareș M, Schuster D. Honokiol and Magnolol: Insights into Their Antidermatophytic Effects. *Plants-Basel* 2021, 10(11), 2522; <https://doi.org/10.3390/plants10112522> (FI 4.658)
6. **Trifan A**, Luca SV, Bostănar A-C, Brebu M, Jităreanu A, Cristina R-T, Skalicka-Woźniak K, Granica S, Czerwińska ME, Kruk A, Greige-Gerges H, Sieniawska E, Mareș M. Apiaceae Essential Oils: Boosters of Terbinafine Activity against Dermatophytes and Potent Anti-Inflammatory Effectors. *Plants-Basel* 2021, 10(11), 2378. <https://doi.org/10.3390/plants10112378> (FI 4.658)
7. **Trifan A**, Luca SV, Greige-Gerges H, Miron A, Gille E, Aprotosoiaie AC. Recent advances in tackling microbial multidrug resistance with essential oils: combinatorial and nano-based strategies. *Critical Reviews in Microbiology* 2020, 46(3), 338-357. <https://doi.org/10.1080/1040841X.2020.1782339> (FI 7.624)
8. **Trifan A**, Skalicka-Woźniak K, Granica S, Czerwińska ME, Kruk A, Marcourt L, Wolfender JL, Wolfram E, Esslinger N, Grubelnik A, Luca SV. *Symphytum officinale* L.: Liquid-liquid chromatography isolation of caffeic acid oligomers and evaluation of their influence on pro-inflammatory cytokine release in LPS-stimulated neutrophils. *Journal of Ethnopharmacology* 2020, 262, 113169. <https://doi.org/10.1016/j.jep.2020.113169> (FI 4.36)
9. Luca SV, Macovei I, Bujor A, Miron A, Skalicka-Woźniak K, Aprotosoiaie AC, **Trifan A**. Bioactivity of dietary polyphenols: The role of metabolites. *Critical Reviews in Food Science and Nutrition* 2020, 60, 626-659. <https://doi.org/10.1080/10408398.2018.1546669> (FI 11.176)

10. **Trifan A**, Vasincu A, Luca SV, Neophytou C, Wolfram E, Opitz SEW, Sava D, Bucur L, Cioroiu BI, Miron A, Aprotosoiaie AC, Cioanca O, Hancianu M, Jitareanu A, Constantinou AI. Unravelling the potential of seaweeds from the Black Sea coast of Romania as bioactive compounds sources. Part I: *Cystoseira barbata* (Stackhouse) C. Agardh. Food and Chemical Toxicology 2019, 134, 110820. <https://doi.org/10.1016/j.fct.2019.110820> (FI 4.679)

B. Teza de doctorat

Doctor în Farmacie (OMECTS 6508/19.12.2012; diploma seria H, Nr. 0015844/19.04.2013)

Titlul tezei: "Contribuții la studiul farmacognostic și biologic al unor specii de plante medicinale cultivate în zona subcarpatică a Moldovei: stabilirea variabilității chimice" (Conducător doctorat: Prof. Dr. Ursula Stănescu)

C. Cărți și capitole în cărți

1. **Trifan A**, Cioancă O, Miron A, Aprotosoiaie AC, Hăncianu M. 2021. Produse de origine vegetală în cosmetică. Editura "Gr. T. Popa", UMF Iași, 104 pagini, ISBN 978-606-544-753-0.
2. Aprotosoiaie AC, Miron A, Cioancă O, **Trifan A**, Hăncianu M. 2021. Fitopreparate în dermatocosmetologie. Editura "Gr. T. Popa", UMF Iași, 153 pagini, ISBN 978-606-544-506-2.
3. Cioanca O, Miron A, **Trifan A**, Aprotosoiaie AC, Hancianu M. 2015. Concepts of Pharmacognosy – key notes for Pharmacognosy lectures for 3rd year students. Iași: Editura "Gr. T. Popa", UMF Iași, ISBN 978-606-544-341-9.
4. Wolfram E, **Trifan A**. 2024. Computational aids for assessing bioactivities in phytochemical and natural products research. In: (Sarker SD, Nahar L, eds.) Computational Phytochemistry, 2nd edition, Amsterdam: Elsevier, pp. 357-393, <https://www.sciencedirect.com/science/article/abs/pii/B9780443161025000055>
5. **Trifan A**, Luca SV. 2023. Phloretin: Advances on Resources, Biosynthesis Pathway, Bioavailability, Bioactivity, and Pharmacology. In: Xiao, J. (eds) Handbook of Dietary Flavonoids. Springer, Cham, pp.1-31. https://doi.org/10.1007/978-3-030-94753-8_26-1
6. Luca SV, **Trifan A**. 2023. Fisetin: Advances on Resources, Biosynthesis Pathway, Bioavailability, Bioactivity, and Pharmacology. In: Xiao, J. (eds) Handbook of Dietary Flavonoids. Springer, Cham, pp.1-25. https://doi.org/10.1007/978-3-030-94753-8_23-1
7. **Trifan A**, Güzel-Akdemir O, Carradori S. 2023. Piperine Derivatives: New Trends in Medicinal Chemistry. In: Carradori S (ed.) Medicinal Chemistry Lessons From Nature (Volume 3) Alkaloids and Other Nitrogen-Containing Derivatives. Singapore: Bentham Science Publishers, pp: 100-127 (28), <https://doi.org/10.2174/9789815123678123030007>
8. **Trifan A**, Aprotosoiaie AC, Miron A. 2020. Curcumin in Food. In: Xiao J., Sarker S., Asakawa Y. (eds) Handbook of Dietary Phytochemicals. Singapore: Springer, pp. 1-44. https://doi.org/10.1007/978-981-13-1745-3_28-1
9. Aprotosoiaie AC, Luca SV, **Trifan A**, Miron A. 2018. Antigenotoxic Potential of Some Dietary Non-phenolic Phytochemicals. In: Atta-ur-Rahman (ed.) Studies in Natural Products Chemistry, vol. 60, Amsterdam, Oxford, Cambridge: Elsevier, pp. 223-297. <https://www.sciencedirect.com/science/article/pii/B9780444641816000073>
10. Wolfram E, **Trifan A**. 2018. Computational aids for assessing bioactivities. In: Sarker S.D. and Nahar L. (eds.) Computational Phytochemistry. Amsterdam, Oxford, Cambridge: Elsevier, pp. 277-300. <https://www.sciencedirect.com/science/article/pii/B9780128123645000109>

11. **Trifan A**, Hăncianu M, Cioancă O. 2020. Acizi fenilacrilici și depside. In: Stănescu U., Hăncianu M., Gârd E.C. (Editori) Farmacognozie. Produse vegetale cu substanțe bioactive. București: Editura Polirom, pp. 135-153. ISBN 978-973-46-7996-6 <https://polirom.ro/bios/7159-farmacognozie.html>
12. **Trifan A**, Hăncianu M, Cioancă O. 2020. Cumarine și cromone. In: Stănescu U., Hăncianu M., Gârd E.C. (Editori) Farmacognozie. Produse vegetale cu substanțe bioactive. București: Editura Polirom, pp. 170-187. ISBN 978-973-46-7996-6 <https://polirom.ro/bios/7159-farmacognozie.html>
13. Hăncianu M, Cioancă O, **Trifan A**. 2020. Lignane. In: Stănescu U., Hăncianu M., Gârd E.C. (Editori) Farmacognozie. Produse vegetale cu substanțe bioactive. București: Editura Polirom, pp. 188-203. ISBN 978-973-46-7996-6 <https://polirom.ro/bios/7159-farmacognozie.html>
14. Hăncianu M, Cioancă O, **Trifan A**. 2020. Tioderivați. In: Stănescu U., Hăncianu M., Gârd E.C. (Editori) Farmacognozie. Produse vegetale cu substanțe bioactive. București: Editura Polirom, pp. 440-460. ISBN 978-973-46-7996-6 <https://polirom.ro/bios/7159-farmacognozie.html>

D. Articole în extenso publicate în reviste din fluxul științific internațional principal

ARTICOLE ÎN REVISTE COTATE ISI (73)

Ca autor principal (37):

1. Jităreanu A, **Trifan A**, Caba I-C, Mârțu I, Agoroaei L. An Overview of Heavy Metals in Cosmetic Products and Their Toxicological Impact. Applied Sciences. 2025; 15(24):12883. <https://doi.org/10.3390/app152412883> (IF 2.5)
2. **Trifan A**, Wolfram E, Skalicka-Woźniak K, Luca SV. *Symphytum* genus—from traditional medicine to modern uses: an update on phytochemistry, pharmacological activity, and safety. Phytochemistry Reviews 2025, 24, 2329–2386. <https://doi.org/10.1007/s11101-024-09977-1> (IF 7.6)
3. Luca SV, Wojtanowski K, Korona-Główniak I, Skalicka-Woźniak K, Minceva M, **Trifan A**. Spent Material Extractives from Hemp Hydrodistillation as an Underexplored Source of Antimicrobial Cannabinoids. Antibiotics-Basel 2024, 13(6), 485. <https://doi.org/10.3390/antibiotics13060485> (IF 4.6)
4. Luca SV, Zengin G, Kulinowski Ł, Sinan KI, Skalicka-Woźniak K, **Trifan A**. Phytochemical profiling and bioactivity assessment of underutilized *Symphytum* species in comparison with *Symphytum officinale*. Journal of the Science of Food and Agriculture 2024, 104(7), 3971-3981. <https://doi.org/10.1002/jsfa.13279> (IF 3.5)
5. **Trifan A**, Zengin G, Korona-Główniak I, Skalicka-Woźniak K, Luca SV. Essential Oils and Sustainability: In Vitro Bioactivity Screening of *Myristica fragrans* Houtt. Post-Distillation By-Products. Plants-Basel 2023, 12(9), 1741. <https://doi.org/10.3390/plants12091741>. (IF 4)
6. Luca SV, Zengin G, Sinan KI, Korona-Główniak I, Minceva M, Skalicka-Woźniak K, **Trifan A**. Value-Added Compounds with Antimicrobial, Antioxidant, and Enzyme-Inhibitory Effects from Post-Distillation and Post-Supercritical CO₂ Extraction By-Products of Rosemary. Antioxidants 2023, 12(2), 244. doi: 10.3390/antiox12020244. (IF 6)
7. **Trifan A**, Czerwińska ME, Zengin G, Esslinger N, Grubelnik A, Wolfram E, Skalicka-Woźniak K, Luca SV. Influence of pyrrolizidine alkaloids depletion upon the biological activity of *Symphytum officinale* L. extracts. Journal of Ethnopharmacology 2023, 303, 116010. <https://doi.org/10.1016/j.jep.2022.116010> (IF 4.8)
8. Luca SV, Zengin G, Sinan KI, Skalicka-Woźniak K, **Trifan A**. Post-Distillation By-Products of Aromatic Plants from Lamiaceae Family as Rich Sources of Antioxidants and Enzyme Inhibitors. Antioxidants 2023, 12(1), 210. <https://doi.org/10.3390/antiox12010210> (IF 6)

9. Jităreanu A, **Trifan A***, Vieriu M, Caba I-C, Mârțu I, Agoroaei L. Current Trends in Toxicity Assessment of Herbal Medicines: A Narrative Review. *Processes* 2023, 11(1), 83. <https://doi.org/10.3390/pr11010083> (*autor corespondent) (IF 2.8)
10. **Trifan A**, Czerwińska ME, Mardari C, Zengin G, Sinan KI, Korona-Glowniak I, Skalicka-Woźniak K, Luca SV. Exploring the *Artemisia* Genus: An Insight into the Phytochemical and Multi-Biological Potential of *A. campestris* subsp. *lednicensis* (Spreng.) Greuter & Raab-Straube. *Plants-Basel* 2022, 11, 2874. <https://doi.org/10.3390/plants11212874> (IF 4.5)
11. **Trifan A**, Zengin G, Sinan KI, Skalicka-Wozniak K, Minceva M, Luca SV. *Symphytum ibericum* Steven: LC-HRMS/MS-based phytochemical profile, *in vitro* antioxidant and enzyme inhibitory potential. *Chemical and Biological Technologies in Agriculture* 2022, 9, 42. <https://doi.org/10.1186/s40538-022-00308-0>. (IF 6.6)
12. **Trifan A**, Zengin G, Sinan KI, Sieniawska E, Sawicki R, Maciejewska-Turska M, Skalicka-Woźniak K, Luca SV. Unveiling the Phytochemical Profile and Biological Potential of Five *Artemisia* Species. *Antioxidants* 2022, 11, 1017. <https://doi.org/10.3390/antiox11051017> (IF 7)
13. Luca SV, Kulinowski L, Ciobanu C, Zengin G, Czerwińska ME, Granica S, Xiao J, Skalicka-Wozniak K, **Trifan A**. Phytochemical and multi-biological characterization of two *Cynara scolymus* L. varieties: A glance into their potential large-scale cultivation and valorization as bio-functional ingredients. *Industrial Crops and Products* 2022, 178, 114623. <https://doi.org/10.1016/j.indcrop.2022.114623> (IF 5.9)
14. **Trifan A**, Zengin G, Brebu M, Skalicka-Woźniak K, Luca SV. Phytochemical Characterization and Evaluation of the Antioxidant and Anti-Enzymatic Activity of Five Common Spices: Focus on Their Essential Oils and Spent Material Extractives. *Plants-Basel* 2021, 10(12), 2692. <https://doi.org/10.3390/plants10122692> (IF 4.658)
15. **Trifan A**, Bostănar AC, Luca SV, Temml V, Akram M, Herdinger S, Kulinowski Ł, Skalicka-Woźniak K, Granica S, Czerwińska ME, Kruk A, Greige-Gerges H, Mareș M, Schuster D. Honokiol and Magnolol: Insights into Their Antidermatophytic Effects. *Plants-Basel* 2021, 10(11), 2522; <https://doi.org/10.3390/plants10112522>. (IF 4.658)
16. Luca SV, Gawel-Bęben K, Strzpek-Gomółka M, Czech, K, **Trifan A***, Zengin G, Korona-Glowniak I, Minceva M, Gertsch J, Skalicka-Woźniak K. Insights into the Phytochemical and Multifunctional Biological Profile of Spices from the Genus *Piper*. *Antioxidants* 2021; 10(10), 1642. <https://doi.org/10.3390/antiox10101642> (*autor corespondent) (IF 7.675)
17. **Trifan A**, Luca SV, Bostănar A-C, Brebu M, Jităreanu A, Cristina R-T, Skalicka-Woźniak K, Granica S, Czerwińska ME, Kruk A, Greige-Gerges H, Sieniawska E, Mareș M. Apiaceae Essential Oils: Boosters of Terbinafine Activity against Dermatophytes and Potent Anti-Inflammatory Effectors. *Plants-Basel* 2021, 10(11), 2378. <https://doi.org/10.3390/plants10112378> (IF 4.658)
18. **Trifan A**, Zengin G, Sinan KI, Wolfram E, Skalicka-Woźniak K, Luca SV. LC-HRMS/MS phytochemical profiling of *Symphytum officinale* L. and *Anchusa ochroleuca* M. Bieb. (Boraginaceae): Unveiling their multi-biological potential via an integrated approach. *Journal of Pharmaceutical and Biomedical Analysis* 2021, 204, 114283. <https://doi.org/10.1016/j.jpba.2021.114283> (IF 3.571)
19. **Trifan A**, Zengin G, Sinan KI, Esslinger N, Grubelnik A, Wolfram E, Skalicka-Woźniak K, Minceva M, Luca SV. Influence of the Post-Harvest Storage Time on the Multi-Biological Potential, Phenolic and Pyrrolizidine Alkaloid Content of Comfrey (*Symphytum officinale* L.) Roots Collected from Different European Regions. *Plants-Basel* 2021, 10(9), 1825. <https://doi.org/10.3390/plants10091825> (IF 4.658)
20. **Trifan A**, Wolfram E, Esslinger N, Grubelnik A, Skalicka-Woźniak K, Minceva M, Luca SV. Globoidnan A, rabdosiin and globoidnan B as new phenolic markers in European-sourced comfrey

- (*Symphytum officinale* L.) root samples. *Phytochemical Analysis* 2021, 32(4), 482-494. <https://doi.org/10.1002/pca.2996> (IF 3.024)
21. Sebaaly C, **Trifan A***, Sieniawska E, Greige-Gerges H. Chitosan-coating effect on the characteristics of liposomes: A focus on bioactive compounds and essential oils: A review. *Processes* 2021, 9, 445. <https://doi.org/10.3390/pr9030445> (*autor corespondent) (IF 3.352)
 22. **Trifan A**, Luca SV, Greige-Gerges H, Miron A, Gille E, Aprotosoiaie AC. Recent advances in tackling microbial multidrug resistance with essential oils: combinatorial and nano-based strategies. *Critical Reviews in Microbiology* 2020, 46(3), 338-357. <https://doi.org/10.1080/1040841X.2020.1782339> (IF 7.624)
 23. **Trifan A**, Skalicka-Woźniak K, Granica S, Czerwińska ME, Kruk A, Marcourt L, Wolfender JL, Wolfram E, Esslinger N, Grubelnik A, Luca SV. *Symphytum officinale* L.: Liquid-liquid chromatography isolation of caffeic acid oligomers and evaluation of their influence on pro-inflammatory cytokine release in LPS-stimulated neutrophils. *Journal of Ethnopharmacology* 2020, 262, 113169, <https://doi.org/10.1016/j.jep.2020.113169> (IF 4.36)
 24. **Trifan A**, Bostănaru AC, Luca SV, Grădinaru AC, Jităreanu A, Aprotosoiaie AC, Miron A, Cioancă O, Hăncianu M, Ochiuz L, Bujor A, Aelenei P, Mareş M. Antifungal potential of *Pimpinella anisum*, *Carum carvi* and *Coriandrum sativum* extracts. A comparative study with focus on the phenolic composition. *Farmacia* 2020, 68 (1), 22-27. <https://doi.org/10.31925/farmacia.2020.1.4> ANTIFUNGAL POTENTIAL OF PIMPINELLA ANISUM, CARUM CARVI AND CORIANDRUM SATIVUM EXTRACTS. A COMPARATIVE STUDY WITH FOCUS ON THE PHENOLIC COMPOSITION – *Farmacia Journal* (IF 1.433)
 25. Luca SV, Bujor A, Miron A, Aprotosoiaie AC, Skalicka-Woźniak K, **Trifan A**. Preparative separation and bioactivity of oligomeric proanthocyanidins. *Phytochemistry Reviews* 2020, 19, 1093–1140. . <https://doi.org/10.1007/s11101-019-09611-5> (IF 5.374)
 26. Luca SV, Macovei I, Bujor A, Miron A, Skalicka-Woźniak K, Aprotosoiaie AC, **Trifan A**. Bioactivity of dietary polyphenols: The role of metabolites. *Critical Reviews in Food Science and Nutrition* 2020, 60, 626-659. <https://doi.org/10.1080/10408398.2018.1546669> (IF 11.176)
 27. **Trifan A**, Vasincu A, Luca SV, Neophytou C, Wolfram E, Opitz SEW, Sava D, Bucur L, Cioroiu BI, Miron A, Aprotosoiaie AC, Cioanca O, Hancianu M, Jitareanu A, Constantinou AI. Unravelling the potential of seaweeds from the Black Sea coast of Romania as bioactive compounds sources. Part I: *Cystoseira barbata* (Stackhouse) C. Agardh. *Food and Chemical Toxicology* 2019, 134, 110820. <https://doi.org/10.1016/j.fct.2019.110820> (IF 4.679)
 28. Jitareanu A, Caba IC, **Trifan A***, Padureanu S, Agoroaei L. *Triticum aestivum* assay - a useful tool for environmental monitoring and toxicity assessment. *Notulae Botanici Horti Agrobotanici*, 2019, 47(4), 1005-1018. <https://notulaebotanicae.ro/index.php/nbha/article/view/11349> (*autor corespondent) (IF 1.168)
 29. Grădinaru AC, **Trifan A***, Şpac A, Brebu M, Miron A, Aprotosoiaie AC. Antibacterial activity of traditional spices against lower respiratory tract pathogens: combinatorial effects of *Trachyspermum ammi* essential oil with conventional antibiotics. *Letters in Applied Microbiology* 2018, 67(5), 449-457. <https://doi.org/10.1111/lam.13069> (*autor corespondent) (IF 1.805)
 30. **Trifan A**, Opitz SEW, Josuran R, Grubelnik A, Esslinger N, Peter S, Brăm S, Meier N, Wolfram E. Is comfrey root more than toxic pyrrolizidine alkaloids? Salvianolic acids among antioxidant polyphenols in comfrey (*Symphytum officinale* L.) roots. *Food and Chemical Toxicology* 2018, 112, 178-187. <https://doi.org/10.1016/j.fct.2017.12.051> (IF 3.775)
 31. Aprotosoiaie AC, Ciocarlan N, Brebu M, **Trifan A***, Grădinaru AC, Miron A. Chemical composition, antioxidant and antimicrobial activities of *Mentha gattefossei* Maire essential oil. *Farmacia* 2018, 66 (5), 778-782. <https://doi.org/10.31925/farmacia.2018.5.1> CHEMICAL COMPOSITION, ANTIOXIDANT AND ANTIMICROBIAL

32. Cioancă O, Pagonakis A, **Trifan A***, Hrițcu L, Ioniță R, Burlec AF, Postu P, Mircea C, Hăncianu M. Pharmacognostic and pharmacologic screening of *Crocus sativus* of Greek origin. Farmacia 2017, 65 (3), 401-406. (*autor corespondent). PHARMACOGNOSTIC AND PHARMACOLOGIC SCREENING OF CROCUS SATIVUS OF GREEK ORIGIN – Farmacia Journal (IF=1.507)
33. **Trifan A**, Sava D, Bucur LA, Mihai CT, Aprotosoia AC, Cioancă O, Hăncianu M, Miron A. Antioxidant and cytotoxic activities of *Phyllophora pseudoceranoides* (Gmelin) New. et Tayl. Farmacia 2016, 64 (4), 502-506. ANTIOXIDANT AND CYTOTOXIC ACTIVITIES OF PHYLLOPHORA PSEUDOCERANOIDES (GMELIN) NEW. ET TAYL – Farmacia Journal (IF 1.348)
34. **Trifan A.**, Aprotosoia A.C., Brebu M., Cioanca O., Gille E., Hancianu M., Miron A. Chemical composition and antioxidant activity of essential oil from Romanian *Satureja montana* L. Farmacia 2015, 63 (3), 413-416. CHEMICAL COMPOSITION AND ANTIOXIDANT ACTIVITY OF ESSENTIAL OIL FROM ROMANIAN SATUREJA MONTANA L. – Farmacia Journal (IF 1.162)
35. **Trifan A**, Breaban IG, Sava D, Bucur L, Toma CC, Miron A. Heavy metal content in macroalgae from Romanian Black Sea. Revue Roumaine de Chimie 2015, 60 (9), 915-920. <http://revroum.lew.ro/wp-content/uploads/2015/9/Art%2009.pdf> (IF 0.250)
36. **Trifan A**, Miron A, Aprotosoia AC, Hancianu M, Cioanca O, Gille E, Stanescu U. Phytotoxicity assessment of polyphenolic extracts from *Carum carvi* L. fruits. Farmacia 2013; 61 (1): 12-19. PHYTOTOXICITY ASSESSMENT OF POLYPHENOLIC EXTRACTS FROM CARUM CARVI L. FRUITS – Farmacia Journal (IF 1.251)
37. **Trifan A**, Aprotosoia AC, Spac A, Hancianu M, Miron A, Stanescu U. Contributions to the chemical study of the essential oil isolated from coriander (*Omagiu cultivar*) fruits. Farmacia 2012, 60 (2), 177-183. CONTRIBUTIONS TO THE CHEMICAL STUDY OF THE ESSENTIAL OIL ISOLATED FROM CORIANDER (OMAGIU CULTIVAR) FRUITS – Farmacia Journal (IF 0.578)

Ca și co-autor (36)

1. Horodincu L, Proca AC, Șlencu BG, **Trifan A**, Pavel G, Solcan G, Solcan C. Modulating Effects of Grape Pomace on the Intestinal Antioxidative and Inflammatory Status in Fattening Pigs. Agriculture-Basel 2025, 15(7), 740. <https://doi.org/10.3390/agriculture15070740> (IF 3.6)
2. Turcov D, **Trifan A**, Puitel AC, Cimpoesu R, Zbranca-Toporas A, Maxim C, Suteu D, Barna AS. Preliminary Studies about Valorization of *Acmella oleracea* Bioactive Content in Modern Dermato-Cosmetic Applications to Combat Skin Oxidative Stress. International Journal of Molecular Sciences 2024, 25(16), 8886. <https://doi.org/10.3390/ijms25168886> (IF 4.9)
3. Zugravu GS, Dimitriu DC, Ciobanu CP, Tamba BI, Ciorpac M, Mihai CT, Cumpat CM, Brebu M, Mandici A, Panainte AD, **Trifan A**, Miron, A. Benefits of sea buckthorn fruit oil as adjuvant therapy in rheumatoid arthritis. Farmacia 2024, 72(3), 554-564. <https://doi.org/10.31925/farmacia.2024.3.9> (IF 1.3)
4. Maxim, C, Turcov, D, **Trifan, A**, Suteu, D, Barna, AS. Preliminary characterization of the phytoextracts from *Acmella oleracea* with therapeutic potential and applicability in active cosmetics. Scientific Study And Research-Chemistry And Chemical Engineering Biotechnology Food Industry 2024, 25, 2, 169-182. Studia Chimia - Welcome (IF 0.3)
5. Maxim C, **Trifan A**, Suteu D. Obtaining And Characterization Of Propanediol Phytoextracts From *Acmella Oleracea*. Studia Universitatis Babes-Bolyai, Chemia, 2024, 69(3), 203-220. <https://doi.org/10.24193/subbchem.2024.3.13> Studia Chimia - Welcome (IF 0.7)

6. Barna AS, Maxim C, **Trifan A**, Blaga AC, Cimpoesu R, Turcov D, Suteu D. Preliminary Approaches to Cosmeceuticals Emulsions Based on N-ProlylPalmitoyl Tripeptide-56 Acetat-Bakuchiol Complex Intended to Combat Skin Oxidative Stress. *International Journal of Molecular Sciences* 2023, 24(8), 7004. <https://doi.org/10.3390/ijms24087004> (IF 4.9)
7. Turcov D, Barna AS, Blaga AC, Ibanescu C, Danu M, **Trifan A**, Zbranca A, Suteu D. Dermatocosmetic Emulsions Based on Resveratrol, Ferulic Acid and Saffron (*Crocus sativus*) Extract to Combat Skin Oxidative Stress-Trigger Factor of Some Potential Malignant Effects: Stability Studies and Rheological Properties. *Pharmaceutics* 2022, 14(11), 2376. <https://doi.org/10.3390/pharmaceutics14112376> (IF 5.4)
8. Luca SV, **Trifan A**, Zengin G, Sinan KI, Uba AI, Korona-Glowniak I, Skalicka-Woźniak K. Evaluating the phyto-complexity and poly-pharmacology of spices: The case of *Aframomum melegueta* K. Schum (Zingiberaceae). *Food Bioscience* 2022, 49, 101929, <https://doi.org/10.1016/j.fbio.2022.101929> *Studia Chimica - Welcome* (IF 5.2)
9. Turcov D, Barna AS, **Trifan A**, Blaga AC, Tanasă AM, Suteu D. Antioxidants from *Galium verum* as Ingredients for the Design of New Dermatocosmetic Products. *Plants-Basel* 2022, 1(19), 2454. <https://doi.org/10.3390/plants11192454> (IF 4.5)
10. Turcov D, Barna AS, Apreutesei (Ciuperca) OT, **Trifan A**, Puitel AC, Suteu D. Valorization of Bioactive Compounds from Residual Saffron Biomass (*Crocus sativus* L.) for Obtaining of High Value Added Dermato-Cosmetic Products. *BioResources* 2022, 4730–4744. <https://bioresources.cnr.ncsu.edu/resources/valorization-of-bioactive-compounds-from-residual-saffron-biomass-crocus-sativus-l-to-obtain-high-value-added-dermato-cosmetic-products/> (IF 1.5)
11. Hammoud Z, Kayouka M, **Trifan A**, Sieniawska E, Jema JMB, Elaissari A, Greige-Gerges H. Encapsulation of α -Pinene in Delivery Systems Based on Liposomes and Cyclodextrins. *Molecules* 2021, 26(22), 6840. doi: 10.3390/molecules26226840. <https://doi.org/10.3390/molecules26226840> (IF 4.927)
12. Bujor A, Miron A, **Trifan A**, Luca SV, Gille E, Miron SD, Aprotosoiaie AC. Phytochemicals and endothelial dysfunction: recent advances and perspectives. *Phytochemistry Reviews* 2021, 20, 653–691. <https://doi.org/10.1007/s11101-020-09728-y>. <https://link.springer.com/content/pdf/10.1007/s11101-020-09728-y.pdf> (IF 7.741)
13. Marinescu E, Elisei AM, Aprotosoiaie AC, Cioanca O, **Trifan A**, Miron A, Robu S, Ifrim C, Hancianu M. Assessment of heavy metals content in some medicinal plants and spices commonly used in Romania. *Farmacia* 2020, 68(6), 1099-1105. [ASSESSMENT OF HEAVY METALS CONTENT IN SOME MEDICINAL PLANTS AND SPICES COMMONLY USED IN ROMANIA – Farmacia Journal](#) (IF 1.433)
14. Bujor A, Miron A, Luca SV, Skalicka-Wozniak K, Silion M, **Trifan A**, Girard C, Demougeot C, Totoson P. Vasorelaxant effects of *Crataegus pentagyna*: Links with arginase inhibition and phenolic profile. *Journal of Ethnopharmacology* 2020, 252, 112559. <https://doi.org/10.1016/j.jep.2020.112559> (IF 4.360)
15. Sadiki FZ, Idrissi ME, Cioanca O, **Trifan A**, Hancianu M, Hritcu L, Postu PA. *Tetraclinis articulata* essential oil mitigates cognitive deficits and brain oxidative stress in an Alzheimer's disease amyloidosis model. *Phytomedicine* 2019, 56, 57-63. <https://doi.org/10.1016/j.phymed.2018.10.032> (IF 4.268)
16. Postu PA, Sadiki FZ, El Idrissi M, Cioanca O, **Trifan A**, Hancianu M, Hritcu L. *Pinus halepensis* essential oil attenuates the toxic Alzheimer's amyloid beta (1-42)-induced memory impairment and oxidative stress in the rat hippocampus. *Biomedicine&Pharmacotherapy* 2019, 112, 108673. <https://doi.org/10.1016/j.biopha.2019.108673> (IF 4.545)

17. Păduraru AF, Cioancă O, Mircea C, **Trifan A**, Aprotosoiaie AC, Miron A, Gille E, Hritcu L, Hăncianu M. Bioactive extracts from cultivated *Ajuga genevensis* L. and *A. reptans* L.: *in vitro/in vivo* pharmacological effects. *Farmacia* 2019, 67(4), 603-609. [BIOACTIVE EXTRACTS FROM CULTIVATED AJUGA GENEVENSIS L. AND A. REPTANS L.: IN VITRO/IN VIVO PHARMACOLOGICAL EFFECTS – Farmacia Journal](#) (IF 1.607)
18. Aprotosoiaie AC, Miron A, Ciocârlan N, Brebu M, Roșu CA, **Trifan A**, Vochița G, Gherghel D, Luca SV, Niță A, Costache II, Mihai CT. Essential oils of Moldavian *Thymus* species: Chemical composition, antioxidant, anti-*Aspergillus* and antigenotoxic activities. *Flavour and Fragrance Journal* 2019, 34 (3), 175-186. <https://doi.org/10.1002/ffj.3490> (IF 1.598)
19. Jităreanu A, Ifrim C, Zbancioc AM, **Trifan A**, Stănescu U, Tătăringă G. Phytotoxicity evaluation of some dibrominated cinnamic acid derivatives on *Phaseolus vulgaris*. *Romanian Biotechnological Letters* 2019, 24(6), 1015-1021. <https://www.e-repository.org/rbl/vol.24/iss.6/11.pdf> (IF 0.765)
20. Cioanca O, **Trifan A**, Mircea C, Scripcariu D, Hancianu M. Natural macromolecules with protective and antitumor activity. *Anti-Cancer Agents in Medicinal Chemistry* 2018, 18 (5), 675-683. <https://doi.org/10.2174/1871520618666180425115029>; <http://www.eurekaselect.com/161542/article> (IF 2.180)
21. Paduraru (Giurescu Bedreag) FC, Filip N, **Trifan A**, Miron SD, Badescu C, Costache II, Al Nama, R, Diaconescu B, Dumitrescu N, Ciocoiu M. Evaluation of the Effects of a *Pinus brutia* bark extract on biochemical parameters and blood pressure in an experimental arterial hypertension. *Revista de Chimie* 2018, 69, 7, 1718-1721. <https://doi.org/10.37358/RC.18.7.6403> (IF 1.605)
22. Rosu CM, Avadanei M, Gherghel D, Mihasan M, Mihai C, **Trifan A**, Miron A, Vochita, G. Biodegradation and Detoxification Efficiency of Azo-Dye Reactive Orange 16 by *Pichia kudriavzevii* CR-Y103. *Water Air and Soil Pollution* 2017, 229 (1), 15. <https://doi.org/10.1007/s11270-017-3668-y> (IF= 1.769)
23. Aprotosoiaie AC, Gille E, **Trifan A**, Luca SV, Miron A. Essential oils of *Lavandula* genus: a systematic review of their chemistry. *Phytochemistry Reviews* 2017, 16, 761–799. <https://doi.org/10.1007/s11101-017-9517-1> (IF=3.875)
24. Aprotosoiaie AC, Zavastin DE, Mihai CT, Voichita G, Gherghel D, Silion M, **Trifan A**, Miron A. Antioxidant and antigenotoxic potential of *Ramaria largentii* Marr & D. E. Stuntz, a wild edible mushroom collected from Northeast Romania. *Food and Chemical Toxicology* 2017, 108(Pt B), 429-437. <https://doi.org/10.1016/j.fct.2017.02.006> (IF 3.977)
25. Miron A, Aprotosoiaie AC, **Trifan A**, Xiao J. Flavonoids as modulators of metabolic enzymes and drug transporters. *Annals of the New York Academy of Sciences* 2017, 1398(1), 152-167. <https://doi.org/10.1111/nyas.13384> (IF 4.277)
26. Cioanca O, Hancianu M, Mircea C, **Trifan A**, Hritcu L. Essential oils from Apiaceae as valuable resources in neurological disorders: *Foeniculi vulgare aetheroleum*. *Industrial Crops and Products* 2016, 88, 51-57. <https://doi.org/10.1016/j.indcrop.2016.02.064> (IF 3.181)
27. Aprotosoiaie AC, Mihai CT, Voichita G, Rotinberg P, **Trifan A**, Luca SV, Petreus T, Gille E, Miron A. Antigenotoxic and antioxidant activities of a polyphenolic extract from European *Dracocephalum moldavica* L. *Industrial Crops and Products* 2016; 79, 248-256. <https://doi.org/10.1016/j.indcrop.2015.11.004> (IF 3.181)
28. Cioanca O, Mircea C, Hritcu L, **Trifan A**, Mihasan M, Aprotosoiaie AC, Robu S, Gille E, Hancianu M. *In vitro – in vivo* correlation of the antioxidant capacity of *Salviae aetheroleum*. *Farmacia* 2015, 63 (1), 34-39. [IN VITRO – IN VIVO CORRELATION OF THE ANTIOXIDANT CAPACITY OF SALVIAE AETHEROLEUM ESSENTIAL OIL – Farmacia Journal](#) (IF 1.162)

29. Aprotosoae AC, **Trifan A**, Gille E, Petreus T, Bordeianu G, Miron A. Can phytochemicals be a bridge to develop new radioprotective agents? *Phytochemistry Reviews* 2015, 14, 555-566. <https://doi.org/10.1007/s11101-014-9379-8> (IF 2.686)
30. Gradinariu V, Cioanca O, Hritcu L, Gille E, **Trifan A**, Hancianu M. Comparative efficacy of *Ocimum sanctum* and *Ocimum basilicum* volatile oils against beta (1-42)-induced anxiety and depression in laboratory rats. *Phytochemistry Reviews* 2015, 14, 567-575. <https://doi.org/10.1007/s11101-014-9389-6> (IF 2.686)
31. Cioanca O, Hritcu L, Mihasan M, **Trifan A.**, Hancianu M. Inhalation of coriander volatile oil increased anxiolytic-antidepressant-like behaviors and decreased oxidative status in β -amyloid (1-42) rat model of Alzheimer's disease. *Physiology&Behavior* 2014, 131, 68-74. <https://doi.org/10.1016/j.physbeh.2014.04.021> (IF 2.976)
32. Oprea E, Pintilie V, Bufnea V, Aprotosoae AC, Cioanca O, **Trifan A**, Hancianu M. Radionuclides content in some medicinal plants commonly used in Romania. *Farmacia* 2014, 62 (4), 658-663. [RADIONUCLIDES CONTENT IN SOME MEDICINAL PLANTS COMMONLY USED IN ROMANIA – Farmacia Journal](#) (IF 1.005)
33. Gradinaru AC, Silion M, **Trifan A**, Miron A, Aprotosoae AC. *Helichrysum arenarium* subsp. *arenarium*: phenolic composition and antibacterial activity against lower respiratory tract pathogens. *Natural Product Research* 2014, 28 (22), 2076-2080. <https://doi.org/10.1080/14786419.2014.924931> (IF 0.919)
34. Giurescu Bedreag C, **Trifan A**, Bucur LA, Arcus M, Tebrencu C, Miron A, Costache II. Chemical and antioxidant studies on *Crataegus pentagyna* leaves and flowers. *Romanian Biotechnological Letters* 2014, 19 (6), 9859-9867. WOS:000348522000006; [Chemical and antioxidant studies on Crataegus pentagyna leaves and flowers-Web of Science Core Collection](#) (IF 0.404)
35. Gradinaru AC, Aprotosoae AC, **Trifan A**, Spac A, Brebu M, Miron A. Interactions between cardamom essential oil and conventional antibiotics against *Staphylococcus aureus* clinical isolates. *Farmacia* 2014, 62 (6), 1214-1222. [INTERACTIONS BETWEEN CARDAMOM ESSENTIAL OIL AND CONVENTIONAL ANTIBIOTICS AGAINST STAPHYLOCOCCUS AUREUS CLINICAL ISOLATES – Farmacia Journal](#) (IF 1.005)
36. Cretu E, Karonen M, Salminen JK, Mircea C, **Trifan A**, Charalambous C, Constantinou A, Miron A. *In vitro* study on the antioxidant activity of a polyphenol-rich extract from *Pinus brutia* bark and its fractions. *Journal of Medicinal Food* 2013, 16 (11), 984-991. <https://doi.org/10.1089/jmf.2013.0050> (IF 1.699)

ARTICOLE ÎN REVISTE INDEXATE ÎN BDI (18)

1. Sadiki FZ, El Idrissi M, Sbiti M, Lemrhari A, **Trifan A**, Cioanca O, Postu PA, Hritcu L. Chemical composition and antibacterial activity of essential oil of *Tetraclinis articulata* (Vahl) Masters branches of eastern Morocco. *Chem. Biol. Technol. Agric.* 2018; 5:24 <https://doi.org/10.1186/s40538-018-0137-9> <https://link.springer.com/article/10.1186/s40538-018-0137-9>
2. Jitareanu A, Tataranga G, Zbancioc AM, **Trifan A**. Bromination-a versatile tool for drugs optimization. *Rev. Med. Chir. Soc. Med. Nat., Iași* 2018, 122 (2): 614-626. <https://www.revmedchir.ro/index.php/revmedchir/article/view/1473/1263>;
3. **Trifan A**, Aprotosoae AC, Cioancă O, Hăncianu M, Jităreanu A, Gille E, Miron A. Antioxidant activity of essential oil from *Carum carvi* L. cultivated in north-eastern Romania. *Rev Med Chir Soc Med Nat Iasi.* 2016; 120 (3): 732-736. <https://www.revmedchir.ro/index.php/revmedchir/article/view/235/204>;

4. Aprotosoae AC, Miron A, **Trifan A**, Luca VS, Costache II. The cardiovascular effects of cocoa polyphenols-an overview. Diseases 2016 17; 4(4). pii: E39. <https://www.mdpi.com/2079-9721/4/4/39>
5. Aelenei P, Miron A, **Trifan A**, Bujor A, Gille E, Aprotosoae AC. Essential oils and their components as modulators of antibiotic activity against Gram-negative bacteria. Medicines 2016, 3 (3): 19. <https://doi.org/10.3390/medicines3030019>
6. Oprea E, Tuchiluş C, Aprotosoae AC, Cioanca O, **Trifan A**, Gradinariu V, Miron A, Hancianu M. Assessment of the microbial load of some medicinal plants commonly used in Romania. Rev. Med. Chir. Soc. Med. Nat., Iaşi 2015, 119 (1): 267-272. <https://www.revmedchir.ro/index.php/revmedchir/article/view/532/465>
7. **Trifan A**, Sava D, Bucur L, Vasincu AI, Vasincu I, Aprotosoae AC, Cioanca O, Miron A. Isolation, characterization and antioxidant activity of the crude polysaccharide from *Phyllophora pseudoceranoides*. Rev. Med. Chir. Soc. Med. Nat., Iaşi 2015, 119 (2): 603-609. <https://www.revmedchir.ro/index.php/revmedchir/article/view/477/422>
8. Gradinaru AC, Miron A, **Trifan A**, Spac A, Brebu M, Aprotosoae AC. Screening of antibacterial effects of anise essential oil alone and in combination with conventional antibiotics against *Streptococcus pneumoniae* clinical isolates. Rev. Med. Chir. Soc. Med. Nat., Iaşi 2014, 118 (2): 537-543. <https://www.revmedchir.ro/index.php/revmedchir/article/view/733/628>
9. Amalinei RL, **Trifan A**, Cioanca O, Miron SD, Mihai CT, Rotinberg P, Miron A. Polyphenol-rich extract from *Pinus sylvestris* L. bark-chemical and antitumor studies. Rev. Med. Chir. Soc. Med. Nat., Iaşi 2014, 118 (2): 551-557. <https://www.revmedchir.ro/index.php/revmedchir/article/view/737>
10. Bedreag CF, **Trifan A**, Vasincu A, Miron SD, Aprotosoae AC, Miron A. In vitro screening of *Crataegus succulenta* extracts for free radical scavenging and 15-lipoxygenase inhibitory activities. Rev. Med. Chir. Soc. Med. Nat., Iaşi 2014; 118 (2): 544-550. <https://www.revmedchir.ro/index.php/revmedchir/article/view/736/629>
11. Aprotosoae AC, Raileanu E, **Trifan A**, Cioanca O. The polyphenolic content of common Lamiaceae species available as herbal tea products in Romanian pharmacies. Rev. Med. Chir. Soc. Med. Nat., Iaşi 2013; 117 (1): 233-237. <https://www.revmedchir.ro/index.php/revmedchir/article/view/960/823>
12. Cretu E, **Trifan A**, Aprotosoae AC, Miron A. 15-Lipoxygenase inhibition, superoxide and hydroxyl radicals scavenging activities of *Cedrus brevifolia* bark extracts. Rev. Med. Chir. Soc. Med. Nat., Iaşi 2013; 117 (1): 250-256. <https://www.revmedchir.ro/index.php/revmedchir/article/view/964/826>
13. Aprotosoae AC, Spac A, Cioanca A, **Trifan A**, Miron A, Hancianu M. The chemical composition of essential oils isolated from sweet fennel fruits available as herbal tea products. Rev. Med. Chir. Soc. Med. Nat., Iaşi 2013; 117 (3): 819-824. <https://www.revmedchir.ro/index.php/revmedchir/article/view/872/743>
14. **Trifan A**, Miron A, Aprotosoae AC, Hancianu M, Cioanca O, Gille E, Stanescu U. Phytotoxicity assessment of methanolic extracts from *Coriandrum sativum* L. fruits. Rev. Med. Chir. Soc. Med. Nat., Iaşi 2012, 116 (3), 920-926. ISSN: 0048-7848
<https://www.revmedchir.ro/index.php/revmedchir/article/view/1069/927>
15. **Trifan A**, Aprotosoae AC, Spac A, Cioanca O, Drutu C, Stanescu U. Contributions to the chemical study of the essential oil isolated from caraway fruits. Medicine in Evolution, 2012, XVIII (1): 202-207.
<https://journals.indexcopernicus.com/search/details?jmlId=478&org=Medicine%20in%20Evolution,p478,3.html>
16. Ghita G, Necula R, **Trifan A**, Gille E, Zamfirache MM, Stanescu U. Investigations regarding the phytochemical study of some samples of *Galium verum* L. and *Galium album* Mill. Analele Ştiinţifice ale Universităţii „Al. I. Cuza” Iaşi s. II a. Biologie vegetală, 2012; 58 (1): 45-50.

<https://www.semanticscholar.org/paper/INVESTIGATIONS-REGARDING-THE-PHYTOCHEMICAL-STUDY-OF-Necula-Trifan/f3a539a8067abdcfc4e23c3fedadd3689dfca799>

17. Cretu E, **Trifan A**, Vasincu A, Miron A. Plant-derived anticancer agents - curcumin in cancer prevention and treatment. Rev. Med. Chir. Soc. Med. Nat., Iași 2012; 116 (4), 1223-1229. <https://www.revmedchir.ro/index.php/revmedchir/article/view/1019/878>
18. **Trifan A**, Aprotosoiaie AC, Spac A, Hancianu M, Miron A, Stanescu U. Contribuții la studiul compoziției chimice a uleiului volatil extras din fructe de coriandru soiul Sandra, Rev. Med. Chir. Soc. Med. Nat., Iași 2011, 115 (4), 1271-1277. <https://www.revmedchir.ro/index.php/revmedchir/article/view/1301/1117>

E. PROIECTE/ GRANTURI DE CERCETARE

DIRECTOR DE PROIECT

1. Proiect PN-III-P1.1-TE-2019-1894, nr. contract TE 151/2020: "Compuși de origine vegetală cu potențială utilizare în onicomicoze: strategii bazate pe sinergisme și nanoformulări/Natural products with putative use in onychomycosis: combinatorial and nano-based strategies" (PLANTSYNAN) finanțat în cadrul PNCDI III (2015-2020) – Programul 1-Dezvoltarea sistemului național de cercetare-dezvoltare, Subprogramul 1.1. – Resurse umane – Proiecte de cercetare pentru stimularea tinerelor echipe independente; derulat în perioada 01.11.2020 – 31.10.2022; coordonator: Universitatea de Medicină și Farmacie "Grigore T. Popa" din Iași; buget proiect = 431861,41 lei.

Link proiect: <https://plantsynan.grant.umfiasi.ro/2020/12/10/plantsynan/>

2. Grant intern al Universității de Medicină și Farmacie Grigore T. Popa din Iași (Tineri cercetători) (contract nr. 7246 /2018) cu titlul "Investigations on antifungal activity of natural products with putative use in onychomycosis/ Investigarea activității antifungice a produselor naturale cu utilizare potențială în onicomicoze", derulat în perioada 1.04.2018-28.03.2020; buget proiect = 22500 lei.

MEMBRU ÎN ECHIPA DE CERCETARE

Proiecte internaționale

1. Proiect REART (nr. IZ73Z0_152265/2014) "Capitalization of the natural potential of several medicinal and aromatic species in the *Artemisia* genus with economic and ecological value in Moldova", SCOPES (Scientific cooperation between Eastern Europe and Switzerland): Joint Research Projects Switzerland – Romania – Republic of Moldova; coordonator: Mediplant – Swiss research Institute for Aromatic and Medicinal Plants, Conthey, Elveția; director proiect: Dr. Xavier Simonet; perioadă derulare: 2014-2017; buget proiect = 72470 euro.
2. Proiect de cooperare bilaterală Romania – Republica Moldova „Evaluation and characterization of genetic resources from Lamiaceae species with potential anti-inflammatory properties, their in situ and ex situ conservation” (EGRE-LAIC), Programul Capacități/ Subprogram Cooperări bilaterale - Programul de cooperare bilaterală România – Republica Moldova (PN-II-CT-RO-MD-2012-1) (contract nr. 694/2013), coordonator: Institutul Național de Cercetare-Dezvoltare pentru Științe Biologice București/Centrul de Cercetări Biologice „Stejarul”, Piatra-Neamț, partener Universitatea de Medicină și Farmacie „Grigore T. Popa”, din Iași; Responsabil proiect: Prof. dr. Anca Miron; derulat în perioada 24.04.2013 – 5.12.2014; budget proiect UMF Iași: 6350,04 lei.
3. Proiect de cooperare bilaterală România – Slovacia: "Monitoring of anthocyanins content in selected plant species and determination of their antioxidant activity (MACSPSDTAA)" (contract nr. 657/2013); coordonator: Universitatea de Medicină și Farmacie „Grigore T. Popa”, din Iași; director proiect: Prof. dr. Monica Hăncianu; derulat în perioada 2013 –2014; budget proiect UMF Iași: 24400 lei.

Proiecte naționale

1. Proiect PN-IV-RU-SC-TE-2023-1, contract nr. 21TE/2025: “Abordare analitică integrată pentru identificarea plantelor producătoare de alcaloizi tropanici și evaluarea contaminării în ceaiurile din plante /Integrated analytical approach for identification of tropane alkaloids-producing plants and assessing their contamination level in herbal teas” (ConTrAl); coordonator: Institutul Național de Cercetare-Dezvoltare pentru Științe Biologice București/Centrul de Cercetări Biologice „Stejarul” Piatra-Neamț; Director proiect: Dr. Ancuța Cristina Manolică; derulat în perioada 03.01.2024-31.12.2026; buget proiect: 500000 lei.

Link website proiect: <https://sites.google.com/view/contral21te/home>

2. Proiect PN-III-P2-2.1-PED-2021-22290, contract nr. 657PED/2022: “Hybrid bio-systems enriched with biotechnological extracted oils and applicability in skin tissue engineering” (HYTECHSKIN) (cod proiect PN-III-P2-2.1-PED-2021-22290, contract nr. 657PED/2022); coordonator: Institutul de Chimie Macromoleculară ”Petru Poni” Iași; director proiect: Dr. Alina Gabriela Rusu; derulat în perioada 21.06.2022-20.06.2024; buget proiect: 598.795,00 lei.

Link proiect: <https://hytechskin.wordpress.com/>

Granturi UMF Iași

1. Grant intern de cercetare al Universității de Medicină și Farmacie ”Grigore T. Popa” Iași, Echipe-Idei/contract 1639/01.02.2013: “Investigations on the radioprotective potential of some vegetal extracts”. Director proiect: Șef lucr. Dr. Ana Clara Aprotosoiaie; derulat în perioada 01.02.2013-31.01.2015; buget proiect: 67232,96 lei.
2. Grant intern al Universității de Medicină și Farmacie ”Grigore T. Popa” Iași, Tineri Cercetatori/contract 1642/01.02.2013: ”Caracterizarea efectelor biologice ale unor uleiuri volatile bogate în alcooli monoterpenici cu relevanță în neuroprotecție”. Director grant: Șef lucr.dr. Oana Cioancă; derulat în perioada 01.02.2013-31.07.2014; buget proiect: 21965,68 lei.

Data,
15.01.2026

Șef lucr. Dr. Adriana Trifan