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PROFESSIONAL MEMBERSHIPS: from 2002 - Ukrainian Botanical Society; from 2019 - Society for Medicinal Plant and Natural Product Research (GA); from 2019 - Phytochemical Society of Europe (PSE).

Guest Editor of the Special Issues (in the Q1 journals of MDPI publisher):

- Pharmacognosy: Natural Compounds from an Anti-aging Perspective 2024 (A special issue of *Pharmaceutica* (ISSN 1424-8247)
https://www.mdpi.com/journal/pharmaceutica/special_issues/C77D5G7IW6
 - Essential Oils: From Extraction to Application (A special issue of *Molecules* (ISSN 1420-3049)
https://www.mdpi.com/journal/molecules/special_issues/Essential_Oils_Extraction_Application
- Editorial team member** of the "Research Journal of Pharmacy and Technology" (Scopus database)

SPECIAL TRAININGS AND PROFESSIONAL ACTIVITIES

- Workshop demonstrated by Dr. Komarnytsky (USA) "Mobile Discovery efforts on screening samples from nature for antimicrobial activity" during the 2nd International Symposium 'Plants in pharmacy and nutrition' (Wroclaw, Poland, 16 September 2016).
- Workshop 'Plant – the source of research material' (Lublin, Poland, 21–24 June 2017).
- Traineeships and research stays on in the laboratories of analytical and ecological chemistry (Faculty of Chemistry, Opole University, Poland: 02-12.01.2018, 13-24.02.2018, 30.07.2018-04.08.2018, 01.07.2019-26.07.2019. Spectrophotometric and high-performance thin-layer chromatographic fingerprinting analyses for the authentication of polyphenols and their quantitative determination; column chromatography for the separation and isolation of compounds; GC-MS analysis of essential oils; spectral methods.
- Traineeship and research stay in the laboratories of the Department of Pharmaceutical Biology and Botany (Wroclaw Medical University, Wroclaw, Poland - 2-14 July 2023): experimental studies on current chromatographic approaches in plant natural products analysis (with special attention to HPLC) in the field of phytochemistry; the ultrasonic extraction of plant raw materials; using various types of filtration.
- Guest Lecturer in the frame of Erasmus+ Key Action in the Silesian College of Medicine in Katowice (Poland, 27-28 Oct. 2023). The main topics: Medicinal plants and their phytoconstituents as cosmeceuticals and nutraceuticals in dermatology.

SELECTED ORAL/POSTER PRESENTATIONS AT THE INTERNATIONAL SCIENTIFIC CONFERENCES

Shanayda M. I., Korablova O. A. The results of introductory and phytochemical researches of *Ocimum americanum* L. under condition of Western Podillia of Ukraine. *Agrobiodiversity for improving nutrition, health and life quality: proceedings of 2nd Int. Scientific Conf.* (Nitra, Slovakia, 20–22 Aug. 2015 y). Nitra, 2015. Part II. P. 593–596. (Poster presentation)

Shanaida M., Kernychna I., Shanaida Yu. Chromatographic analysis of primary metabolites in aerial part of *Ocimum americanum* L. *Plants in pharmacy and nutrition: abstract of 2nd Int. symposium*, (Wroclaw, Poland, 15–17 Sept. 2016). P. 152. . (Poster presentation)

Shanaida M. Influence of *Ocimum americanum* L. essential oil on open-field behavior in rats. *Plant – the source of research material: abstract of 5th Int. Conf. and Workshop* (Lublin, Poland, 21–24 June 2017). Lublin, 2017. P. 133. . (Poster presentation)

Shanaida M., Jasicka-Misiak I., Wieczorek P.P. Application of HPTLC fingerprints method for evaluation of polyphenols and terpenoids in some Lamiaceae representatives. *Science and Practice 2019: 10th International Pharmaceutical Conference* (November 15th, 2019 Kaunas, Lithuania). P.76. (Oral presentation)

Hudz N., Białoń M., Shanaida M., Hvozdyk N., Sydenk L., Wieczorek P.P. Comparative analysis of essential oils of the *Monarda* L. species cultivated in Ukraine. *International Conference "Contemporary pharmacy: issues, challenges and expectation"* (23rd of October, 2020, Kaunas, Lithuania). P. 74. (Oral presentation)

M. Shanaida, I. Jasicka-Misiak, M. Bialon, V. Shanaida, P.P. Wieczorek. Phytochemical analysis of the wild bergamot herb using different chromatographic methods. *QUO VADIS Life Sciences Conference* (23-27 June 2021, Opole, Poland). P.84. (Oral presentation)

Shanaida M., Holenko A., Korzhovska V., Korablova O. Comparative chromatographic analysis of bioactive compounds of some *Vitex* L. species cultivated in Ukraine. The Joint International Pharmacy Symposium „Contemporary Pharmacy: Issues Challenges and Expectations 2021” and „11th Conference: Pharmacy Science and Practice” CPICE-PSP 2021 (22nd of October 2021, Kaunas, Lithuania). P.16. (Oral presentation)

Korablova O., Levchuk I., Palamar V., Sydor B., Shanaida M.. Chromatographic Profiles of Essential Oils from Some Species of the *Artemisia* L. Genus. *Abstract of 1st International Conference „Plant Research: from Phytochemistry to Phytoactivity“* (Kaunas, Lithuania, 21st April 2023). P. 46. (Oral presentation)

Shanaida M., Jasicka-Misiak I., Hudz N., Wieczorek P.P. Compositions of polyphenols and pharmacological study of residue by-products developed from the American basil and wild bergamot post-distillation wastes. *Abstract of the 70th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA)* (Thessaloniki, Greece, August 28 -31, 2022). P. 450. (Poster presentation)

Shanaida M. Phytochemical peculiarities of some representatives of the *Nepetoideae* Burnett subfamily (Lamiaceae Martinov Family) as sources of new herbal medicinal products. *Online International conference 'Pharmaceutics and novel drugs delivery systems'* (April 21-22, 2022: USA). (Oral presentation)

LIST OF SELECTED PUBLICATIONS

1. Shanaida M., Golembiovska O., Hudz N., Wieczorek P. P. (2018). Phenolic compounds of herbal infusions obtained from some species of the *Lamiaceae* family. *Current Issues in Pharmacy and Medical Sciences*, 31 (4): 194-199.
2. Shanaida, M., Jasicka-Misiak, I., Makowicz, E., Stanek, N., Shanaida, V., & Wieczorek, P. P. (2020). Development of high-performance thin layer chromatography method for identification of phenolic compounds and quantification of rosmarinic acid content in some species of the Lamiaceae family. *Journal of pharmacy & bioallied sciences*, 12(2), 139–145.
3. Hudz, N., Makowicz, E., Shanaida, M., Białoń, M., Jasicka-Misiak, I., Yezerska, O., Svydenko, L., & Wieczorek, P. P. (2020). Phytochemical Evaluation of Tinctures and Essential Oil Obtained from *Satureja montana* Herb. *Molecules*, 25(20), 4763. <https://doi.org/10.3390/molecules25204763>
4. Gasmi, A., Mujawdiya, P. K., Shanaida, M., Ongenae, A., Lysiuk, R., Doşa, M. D., Tsal, O., Piscopo, S., Chirumbolo, S., & Bjørklund, G. (2020). Calanus oil in the treatment of obesity-related low-grade inflammation, insulin resistance, and atherosclerosis. *Applied microbiology and biotechnology*, 104(3), 967–979. <https://doi.org/10.1007/s00253-019-10293-4>
5. Gasmi Benahmed, A., Gasmi, A., Arshad, M., Shanaida, M., Lysiuk, R., Peana, M., Pshyk-Titko, I., Adamiv, S., Shanaida, Y., & Bjørklund, G. (2020). Health benefits of xylitol. *Applied microbiology and biotechnology*, 104(17), 7225–7237. <https://doi.org/10.1007/s00253-020-10708-7>
6. Shanaida, M., Hudz, N., Białoń, M., Kryvtsowa, M., Svydenko, L., Filipska, A., Wieczorek, P. (2021). Chromatographic profiles and antimicrobial activity of the essential oils obtained from some species and cultivars of the *Mentheae* tribe (*Lamiaceae*). *Saudi journal of biological sciences*, 28(11), 6145–6152.
7. Shanaida, M., Hudz, N., Jasicka-Misiak, I., & Wieczorek, P. P. (2021). Polyphenols and Pharmacological Screening of a *Monarda fistulosa* L. Dry Extract Based on a Hydrodistilled Residue By-Product. *Frontiers in pharmacology*, 12, 563436. <https://doi.org/10.3389/fphar.2021.563436>
8. Jasicka-Misiak, I., Shanaida, M., Hudz, N., & Wieczorek, P. P. (2021). Phytochemical and Pharmacological Evaluation of the Residue By-Product Developed from the *Ocimum americanum* (*Lamiaceae*) Postdistillation Waste. *Foods*, 10(12), 3063. <https://doi.org/10.3390/foods10123063>
9. Wieczorek, P. P., Hudz, N., Yezerska, O., Horčinová-Sedláčková, V., Shanaida, M., Korytniuk, O., & Jasicka-Misiak, I. (2022). Chemical Variability and Pharmacological Potential of Propolis as a Source for the Development of New Pharmaceutical Products. *Molecules*, 27(5), 1600. <https://doi.org/10.3390/molecules27051600>
10. Gasmi Benahmed, A., Gasmi, A., Menzel, A., Hrynovets, I., Chirumbolo, S., Shanaida, M., Lysiuk, R., Shanaida, Y., Dadar, M., & Bjørklund, G. (2022). A review on natural teeth whitening. *Journal of oral biosciences*, 64(1), 49–58. <https://doi.org/10.1016/j.job.2021.12.002>
11. Bjørklund, G., Rahaman, M. S., Shanaida, M., Lysiuk, R., Oliynyk, P., Lenchyk, L., Chirumbolo, S., Chasapis, C. T., & Peana, M. (2022). Natural Dietary Compounds in the Treatment of Arsenic Toxicity. *Molecules (Basel, Switzerland)*, 27(15), 4871. <https://doi.org/10.3390/molecules27154871>
12. Gasmi A, Mujawdiya PK, Lysiuk R, Shanaida M, Peana M, Gasmi Benahmed A, Beley N, Kovalska N, Bjørklund G. (2022). Quercetin in the Prevention and Treatment of Coronavirus

- Infections: A Focus on SARS-CoV-2. *Pharmaceuticals*. 15(9):1049.
<https://doi.org/10.3390/ph15091049>
13. Gasmi, A.; Mujawdiya, P.K.; Noor, S.; Lysiuk, R.; Darmohray, R.; Piscopo, S.; Lenchyk, L.; Antonyak, H.; Dehtiarova, K.; Shanaida, M.; Polishchuk, A.; Shanaida, V.; Peana, M.; Bjørklund, G. Polyphenols in Metabolic Diseases. *Molecules* 2022, 27, 6280. <https://doi.org/10.3390/molecules27196280>
14. Bjørklund, G.; Shanaida, M.; Lysiuk, R.; Antonyak, H.; Klishch, I.; Shanaida, V.; Peana, M. Selenium: An Antioxidant with a Critical Role in Anti-Aging. *Molecules*. 2022. 27. 6613. <https://doi.org/10.3390/molecules27196613>
15. Bjørklund, G.; Shanaida, M.; Lysiuk, R.; Butnariu, M.; Peana, M.; Sarac, I.; Strus, O.; Smetanina, K.; Chirumbolo, S. Natural Compounds and Products from an Anti-Aging Perspective. *Molecules*. 2022. 27. –7084. <https://doi.org/10.3390/molecules27207084>
16. Bjørklund G., Cruz-Martins N., Goh B.H., Mykhailenko O., Lysiuk R., Shanaida M., Lenchyk L. et al. Medicinal Plant-Derived Phytochemicals in Detoxification. *Curr Pharm Des.* 2023. 9. doi: 10.2174/1381612829666230809094242.
17. Gasmi, A.; Shanaida, M.; Oleshchuk, O.; Semenova, Y.; Mujawdiya, P.K.; Ivankiv, Y.; Pokryshko, O.; Noor, S.; Piscopo, S.; Adamiv, S.; et al. Natural Ingredients to Improve Immunity. *Pharmaceuticals* 2023, 16, 528. <https://doi.org/10.3390/ph16040528>
18. Gasmi A, Gasmi Benahmed A, Shanaida M, Chirumbolo S, Menzel A et al., Anzar W, Arshad M, Cruz-Martins N, Lysiuk R, Beley N, Oliynyk P, Shanaida V, Denys A, Peana M, Bjørklund G. Anticancer activity of broccoli, its organosulfur and polyphenolic compounds. *Crit Rev Food Sci Nutr.* 2023 May 2:1-19. doi: 10.1080/10408398.2023.2195493.
19. Shanaida M., Mashtaler V., Sira L., Gontova T. Evaluation of diagnostic morphological and anatomical features of *Ocimum americanum* (Lamiaceae) raw material. *Botanica*, 2023. 29(2): 70–80. <https://doi.org/10.35513/Botlit.2023.2.4>
20. Pokajewicz K., Shanaida M., Hudz N., Svydenko L., Yezerska O., Wieczorek P.P., Lipok J. GC-MS evaluation of the essential oils from the newly developed cultivars of *Satureja montana* grown in Southern Ukraine. *Acta Poloniae Pharmaceutica – Drug Research*. 2023. Vol. 80 No. 4. P. 591-601.