

## Scientific publications

1. Siger, A., Górnaś, P. (2023). Free tocopherols and tocotrienols in 82 plant species' oil: Chemotaxonomic relation as demonstrated by PCA and HCA. *Food Research International*, 164, 112386.
2. Grygier, A., et. all. (2023). Evaluation of Selected Medicinal, Timber and Ornamental Legume Species' Seed Oils as Sources of Bioactive Lipophilic Compounds. *Molecules* 2023, 28, 3994.
3. Grygier, A., et. all. (2023). Lipophilic profile of mature seeds of unconventional edible tree legumes. *European Food Research and Technology*, 249, 1543–1550.
4. Górnaś, P., et all. (2023). Tocopherols in Cultivated Apple *Malus* sp. Seeds: Composition, Variability and Specificity. *Plants*, 2023, 12, 1169.
5. Urvaka, E., Mišina, I., Ying, Q., Grygier, A., Sobieszcańska, N., Sahu, P. K., Rudzińska, M., Patel K. S., Górnaś, P. (2021). Fatty acid profile and squalene, tocopherol, carotenoid, sterol content of seven selected consumed legumes. *Plant Foods for Human Nutrition*, 76, 53–59.
6. Czubinski, J., Ruško, J., Górnaś, P. (2021). Japanese quince seeds as a promising rich source of proteins and essential amino acids. *Plant Foods for Human Nutrition*, 76, 533–535.
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9. Sahu, P. K., Sipeiece, E., Radziejewska-Kubzdela, E., Grygier, A., Patel, K. S., Rudzińska, M., Radzimirska-Graczyk, M., Górnaś, P. (2022) Profiling of the lipophilic components of seed oil obtained from two medicinal plants *Corchorus capsularis* L. and *Hibiscus sabdariffa* L. *Natural Product Research*, 36, 450–454.
10. Mišina, I., Sipeiece, E., Grygier, A., Qian, Y., Rudzińska, M., Kaufmane, E., Segliņa, D., Siger, A., Górnaś, P. (2022) Profiling of the lipophilic components of seed oils recovered from twelve Japanese quince (*Chaenomeles japonica*) genotypes. *Natural Product Research*, 36, 474–478.
11. Baskirovs, G., Soliven, A., Górnaś, P. (2022). Analytical scale supercritical fluid chromatography for the analysis of nine tocopherols in 24 different cold-pressed plant oils: Method development, validation, and isolation of tocotrienols and plastochromanol-8. *Journal of Food Composition and Analysis*, 110, 104586
12. Busa, L., et all (2022). Effect of Various Fertilizers on Stable Isotope Ratios and Relative Amino Acid Content in Apple Seeds. *Key Engineering Materials*, 933, 193-

13. Grygier, A., et all. (2022). Seven underutilized species of the Fabaceae family with high potential for industrial application as alternative sources of oil and lipophilic bioactive compounds. *Industrial Crops & Products*, 186, 115251
14. Waśkiewicz, A., et all. (2022). Variation in Tocochromanols Level and Mycotoxins Content in Sweet Maize Cultivars after Inoculation with *Fusarium verticillioides* and *F. proliferatum*. *Foods*, 11, 2781
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17. Siger, A., Gornaś, P. (2023). Free tocopherols and tocotrienols in 82 plant species' oil: Chemotaxonomic relation as demonstrated by PCA and HCA. *Food Research International*, 164, 112386
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