

Sylwia Klińska-Bąchor

Lista publikacji

1. Klińska-Bąchor, S., Demski, K., Gong, Y., Banaś, A. (2024). Metabolic engineering of omega-3 long chain polyunsaturated fatty acids in plants using different d6- and d5-desaturases co-expressed with LPCAT from the marine diatom *Phaeodactylum tricornutum*. *Scientific Reports*, 14, 9512. DOI:10.1038/s41598-024-60141-3.
2. Klińska-Bąchor, S., Demski, K., Gong, Y., Banaś, A. (2024). Biochemical characterization of acyl-CoA:diacylglycerol acyltransferase2 from the diatom *Phaeodactylum tricornutum* and its potential effect on LC-PUFAs biosynthesis in planta. *BMC Plant Biology*; 24, 309. DOI: 10.1186/s12870-024-05014-7.
3. Klińska-Bąchor, S., Kędzierska, S., Demski, K., Banaś, A. (2023). Phospholipid:diacylglycerol acyltransferase1-overexpression stimulates lipid turnover, oil production and fitness in cold-grown plants. *BMC Plant Biology*, 23, 370. DOI: 10.1186/s12870-023-04379-5.
4. Klińska, S., Kędzierska, S., Jasieniecka-Gazarkiewicz, K., Banaś, A. (2021). In Vitro Growth Boost Plant Lipid Remodelling and Influence Their Composition. *Cells*, 10(9):2326. DOI:10.3390/cells10092326.
5. Klińska, S., Demski, K., Jasieniecka-Gazarkiewicz, K., Banaś, A. (2021). LPEATs Tailor Plant Phospholipid Composition through Adjusting Substrate Preferences to Temperature. *International Journal of Molecular Sciences*, 22(15):8137. DOI:10.3390/ijms22158137.