

Projekty i publikacje:

2015-2018 - Light influence on *Cerrena unicolor* metabolism - National Centre of Science – 2014/15/B/NZ9/01990 – team leader

2015-2018 - Characterization and importance of the new oxalate oxidase (OXOAb) in response of *Abortiporus biennis* to presence of heavy metals in the environment growth - National Centre of Science - investigator

2014-2017- Importance of *Cerrena unicolor* laccase in adaptation to degradation of several wood kinds in various environmental conditions – National Centre of Science – 2013/09/B/NZ9/01829 – team leader

2013-2016- Occurrence, detection and molecular and metabolic characterization of toxigenic heatresistant fungi (*Neosartorya fischeri* and *Byssoschlamys fulva*)- National Centre of Science - 2012/07/D/NZ9/03357-investigator

2011-2014 - The study of an innovative biopreparation for the optimisation of the organic waste methane fermentation process - Narodowe Centrum Badań i Rozwoju, Program LIDER - LIDER/24/48/I-2/10/NCBiR/2011 – investigator

2011-2013- Cellobiose dehydrogenases of selected ligninolytic fungi - National Centre of Science - 2011/01/N/NZ1/03458 – investigator

1. Bancerz, R., Osińska-Jaroszuk, M., Jaszek, M., Janusz, G., Stefaniuk, D., Sulej, J., Janczarek, M., Jarosz-Wilkolazka, A. and Rogalski, J. (2015) New alkaline lipase from *Rhizomucor variabilis*: Biochemical properties and stability in the presence of microbial EPS. *Biotechnol. Appl. Biochem.*
2. Dudka, M. M., Jaszek, M., Błachowicz, A., Rejczak, T. P., Matuszewska, A., Osińska-Jaroszuk, M., Stefaniuk, D., Janusz, G., Sulej, J. and Kandefer-Szerszeń, M. (2015) Fungus *Cerrena unicolor* as an effective source of new antiviral, immunomodulatory, and anticancer compounds. *Int. J. Biol. Macromol.*
3. Janusz, G., Czuryło, A., Frąc, M., Rola, B., Sulej, J., Pawlik, A., Siwulski, M. and Rogalski, J. (2015) Laccase production and metabolic diversity among *Flammulina velutipes* strains. *World Journal of Microbiology and Biotechnology*, **31**, 121-133.
4. Janusz, G., Kucharzyk, K. H., Pawlik, A., Staszczak, M. and Paszczynski, A. J. (2013) Fungal laccase, manganese peroxidase and lignin peroxidase: gene expression and regulation. *Enzyme. Microb. Technol.*, **52**, 1-12.
5. Jaszek, M., Osińska-Jaroszuk, M., Janusz, G., Matuszewska, A., Stefaniuk, D., Sulej, J., Polak, J., Ruminowicz, M., Grzywnowicz, K. and Jarosz-Wilkolazka, A. (2013) New bioactive fungal molecules with high antioxidant and antimicrobial capacity isolated from *Cerrena unicolor* idiophasic cultures. *BioMed research international*, **2013**.
6. Osińska-Jaroszuk, M., Jaszek, M., Mizerska-Dudka, M., Błachowicz, A., Rejczak, T. P., Janusz, G., Wydrych, J., Polak, J., Jarosz-Wilkolazka, A. and Kandefer-Szerszeń, M. (2014) Exopolysaccharide from *Ganoderma applanatum* as a promising bioactive compound with cytostatic and antibacterial properties. *BioMed research international*, **2014**.

7. Pawlik, A., Janusz, G., Dębska, I., Siwulski, M., Frąc, M. and Rogalski, J. (2015) Genetic and Metabolic Intraspecific Biodiversity of *Ganoderma lucidum*. *BioMed research international*, **2015**.
8. Sulej, J., Janusz, G., Osińska-Jaroszuk, M., Małek, P., Mazur, A., Komanińska, I., Choma, A. and Rogalski, J. (2013) Characterization of cellobiose dehydrogenase and its FAD-domain from the ligninolytic basidiomycete *Pycnoporus sanguineus*. *Enzyme. Microb. Technol.*, **53**, 427-437.
9. Sulej, J., Janusz, G., Osińska-Jaroszuk, M., Rachubik, P., Mazur, A., Komanińska, I., Choma, A. and Rogalski, J. (2015) Characterization of Cellobiose Dehydrogenase from a Biotechnologically Important *Cerrena unicolor* Strain. *Appl. Biochem. Biotechnol.*, 1-21.