

Dr. Magdalena Wróbel-Kwiatkowska is assistant professor in Wrocław University of Environmental and Life Sciences, Department of Biotechnology and Food Microbiology. She is specialist in plant biotechnology. Her research activities are:

- modification of plant (flax) traits via genetic approach,
- composite preparation with modified flax fibres,
- biomedical application of composites,
- isolation and identification of bioactive compounds from plants,
- plant tissue cultures.

Degrees:

2000- Master of Science degree, Adam Mickiewicz University in Poznań, Faculty of Biology, specialization: molecular biology. Thesis title „Pseudouridine synthase 55 from lupin *Lupinus luteus var ventus*- establishment of isolation steps and analyses of its enzymatic activity”

2004- The degree of Doctor of biological sciences in the field of biochemistry, University of Wrocław, Institute of Biochemistry and Molecular Biology (current name: Faculty of Biotechnology). Title of doctoral thesis „Modification of chosen flax traits by genetic engineering methods”.

Publications and patents:

She is the author of twenty publications and three patents, her last activity:

Wróbel-Kwiatkowska M., Jabłoński S., Szperlik J., Dymińska L., Łukaszewicz M., Rymowicz W., Hanuza J., Szopa J. Impact of CAD-deficiency in flax on biogas production. *Transgenic Research* 2015, 24: 971-978.

Wróbel-Kwiatkowska M., Czemplik M., Kulma A., Żuk M., Kaczmar J., Dymińska L., Hanuza J., Ptak M., Szopa J. New biocomposites based on bioplastic flax fibres and biodegradable polymers. *Biotech. Prog.* 2012, 1336-1316.

Dymińska L., Szatkowski M., Wróbel-Kwiatkowska M., Żuk M., Kurzawa A., Syska W., Gągor A, Zawadzki M., Ptak M., Mączka M., Hanuza J., Szopa J. Improved properties of micronized genetically modified flax fibres. *J. Biotech.* 2012, 292-299.