

Dr. Eng. Joanna Ceraży-Waliszewska

Institute of Plant Genetics, Polish Academy of Sciences

ACADEMIC AND RESEARCH CAREER

- **06.2019- post-doc** in Institute of Plant Genetics, Polish Academy of Sciences
- **05.2018-05. 2019 post-doc** in Carl R. Woese Institute for Genomic Biology, University of Illinois, Champaign-Urbana, USA
- **2018 PhD in agricultural sciences**, Institute of Plant Genetics, Polish Academy of Sciences
- **2011 Master of Science in biotechnology**, University of Life Sciences in Poznań

MAJOR RESEARCH PROJECTS

- Development of methods of transformation and regeneration of *Miscanthus*.
- Obtaining of transgenic *Miscanthus* with altered biomass traits.
- Physiological and molecular basis of *Miscanthus* tolerance to abiotic stresses (low temperature, drought, and heavy metals)

RESEARCH VISITS

- Visiting scholar in Institute of Biological, Environmental and Rural Sciences IBERS w Aberystwyth.
period of stay: from 1.03.2015 to 1.06.2015
Team leader: Dr Paul Robson
Team: Research Scientist, Bioenergy & Environmental Change Programme
- Visiting scholar/post doc in Carl R. Woese Institute for Genomic Biology, University of Illinois, Champaign-Urbana, USA
period of stay: from 16.05.2018 to 15.05.2019
Team leader: Dr. Stephen P. Long
Team: Research Scientist, Bioenergy & Environmental Change Programme
U.S. Department of Energy (DOE) project ROGUE: Renewable “Oil Generated with Ultra-productive Energy cane”

PUBLICATION (5 MAJOR PUBLICATIONS, LAST 5 YEARS)

1. John Clifton-Brown, **Joanna Ceraży**, et al. **Progress in upscaling *Miscanthus* biomass production for the European bioeconomy with seedbased hybrids**. GCB Bioenergy (2017). 9:6-17.
2. Stanisław Jeżowski, **Joanna Ceraży-Waliszewska**, et al. ” **Establishment, growth and yield potential of the perennial grass *Miscanthus x giganteus* on degraded coal mine soils**”. Front. Plant Sci. - Crop Science and Horticulture (2017). 8: 726.
3. Aurelia Ślusarkiewicz-Jarzina, **Joanna Ceraży-Waliszewska**, et al. **Effective and simple *in vitro* regeneration system of *Miscanthus sinensis*, *M. × giganteus* and *M. sacchariflorus* for planting and biotechnology purposes**. Biomass and Bioenergy (2017). 107: 219-226.
4. Karolina Sobańska, Joanna Ceraży-Waliszewska, et al. **Optimised expression cassettes of *hpt* marker gene for biolistic transformation of *Miscanthus sacchariflorus***. Biomass and Bioenergy (2019). 127: 105255.
5. **Joanna Ceraży-Waliszewska**, et al. **Potential of bioethanol production from biomass of various *Miscanthus* genotypes cultivated in three-year plantations in west-central Poland**. Industrial Crops and Products (2019).