

Dr. Magdalena Gawłowska

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Laboratory of Genome Analysis.

Education:

- M. Sc. – Adam Mickiewicz University, Faculty of Biology, Institute of Molecular Biology and Biotechnology (1997),
- assistant at the Institute of Plant Genetics PAS since 09.1997,
- Ph. D. of Agricultural Sciences in Agronomy (19.11.1997),
- adjunct at the Institute of Plant Genetics PAS since 1.06.2007,

Research interests:

Legume genetics (pea *Pisum sativum* L. and lupins *Lupinus* ssp.), genetic mapping with using markers like RAPD, AFLP, ISSR and STS, CAPS, SSR, linkage maps, mapping of quantitative traits loci (QTL).

List of main publications:

KRZYMIŃSKA A., GAWŁOWSKA M., WOLKO B., BOCIANOWSKI J. 2008. Genetic diversity of ornamental *Allium* species and cultivars assessed with isozymes. *Journal of Applied Genetics*, 49 (3): 213-220.

CHUDY M., LEŚNIEWSKA K., ŚWIĘCICKI W., WOLKO B., PAWŁOWICZ I., GAWŁOWSKA M., BOERSMA J. G. 2007. Mapping of the narrow-leaved lupin (*Lupinus angustifolius* L.) genome using STS markers designed for *Medicago truncatula* Gaertn. and *Pisum sativum* L. *Advances of Agricultural Sciences Problem Issues*, 517: 215 – 223.

WOLKO B., BOERSMA J., YANG H., KSIĄŻKIEWICZ M., SUSEK K., CHUDY M., GAWŁOWSKA M., ŚWIĘCICKI W.K. 2006. Molecular markers for lupin genome mapping developed on the basis of *Medicago truncatula* and *Pisum sativum* sequence databases. W: E. van Santen and G.D. Hill (eds). *Mexico, Where Old and New World Lupins Meet. Proceedings of the 11th International Lupin Conference, Guadalajara, Jalisco, Mexico. May 4-9, 2005. International Lupin Association, Canterbury, New Zealand*, s. 52-56. ISBN 0-86476-165-1.

GAWŁOWSKA M., ŚWIĘCICKI W., WOLKO B. 2005. Comparison of genetic maps for two related pea populations (*Pisum sativum* L.). *Pisum Genetics* Vol. 37:19 – 23.

NOWAK W., GAWŁOWSKA M., JARMOŁOWSKI A., AUGUSTYNIAK J. 2001. Effect of nuclear matrix attachment regions on transgene expression in tobacco plants. *Acta Bioch. Pol.* 48 (3): 637-646.