BIOGRAPHY

July 2012.

Title and name
Dr. Jaroslava OVESNÁ

Nationality
Czech

Panel
GMO Panel

Education
1991 Crop Research Institute, Prague - PhD (CSc.)

1987 Charles University, Prague, biochemistry, MSc. equivalent (RNDr.)

1984 Secondary Grammar School, Kladno

Scientific and risk assessment experience

- 2004 – 6/2012 Scientific Committee for GM Food and Feed at the Czech Ministry of Agriculture, head
- since 2002 Commission for GMO coexistence at the Czech Ministry of Agriculture, member
- since 2004 External expert of Czech Commission for GMOs at the Ministry of the Environment
- since 2004 National reference laboratory for GMO identification and DNA fingerprinting according 8852/2004 and 1829/2003, ENGL member, head
- since 2010 member of TWG at JRC EC Sevilla (Maize co-existence)
- since 1995 department of Molecular Biology, Head
- 2007 – 2008 ESCO Working Group on Emerging Risks (EFSA)
- 2007 – 2009 member of HarmRA (Harmonisation of Risk Assessment) WG at EFSA
- 1996 – 2001 member of Czech Commission for GMOs at the Ministry of Environment

- Gene expression studies biotic/abiotic stresses (2009 up to now)
- GMO detection (2004 up to now)
- Gene cloning and sequencing (1994 up to now)
- Marker assisted selection (1992 – 2005)
- GMO: Development of protocols for potatoe, rapeseed and cauliflower transformation (1987-1991)
- Plant tissue culture: somatic embryogenesis of wheat (1984-1987)

Main scientific publications
Scientific publications focused mainly on (1) GMO and plant pathogen detection, (2) marker development and markers assisted selection and (3) plant response to biotic and abiotic stresses

Havránková, H., Pazlarová, J., Ovesná, J.
Genetic determinants of mycotoxin synthesis in genus Fusarium
Czech Journal of Food Sciences, 2011, 29 (spec.iss.): 86 - 92

Janská, A., Aprile, A., Zámečník, J., Cattivelli, L., Ovesná, J.
Transcriptional responses of winter barley to cold indicate nucleosome remodelling as a specific feature of crown tissues
Functional & Integrative Genomics, 2011, 11: 307 - 325

Pavlátová, L., Novotný, D., Hodek, J., Chrpová, J., Ovesná, J.
Utilization of DNA microarrays for detection and identification of selected Fusarium species from the Czech Republic
Czech Journal of Food Sciences, 2011, 29: 93 - 101

Ovesná, J., Kučera, L., Hodek, J., Demnerová, K.
Reliability of PCR based screening for identification and quantification of GMOs
Czech Journal of Food Sciences, 2010, 28 (2): 133 - 138

Hodek, J., Ovesná, J., Kučera, L.
Interferences of PCR effectivity: importance for quantitative analyses
Czech Journal of Food Sciences, 2009, 27 (2): 42 - 49

Ovesná, J., Hodek, J.
Detection of transgenic papaya lines: extraction protocol optimisation and verification of DNA quality by PCR assay
Czech Journal of Food Sciences, 2009, 27 (2): 75 - 81

Mortensen, A., Sorensen, I. K., Wilde, C., Dragoni, S., Mullerová, D., Toussaint, O., Zloch, Z., Scaragli, G., Ovesná, J.
Biological models for phytochemical research: from cell to human organism
British Journal of Nutrition, 2008, 99 (E-Suppl. 1): 118 - 126

Ovesná, J., Slabý, O., Toussaint, O., Kodíček, M., Maršík, P., Pouchová, V., Vaněk, T.
High throughput 'omics' approaches to assess the effects of phytochemicals in human health studies
British Journal of Nutrition, 2008, 99 (E-Suppl. 1): 127 - 134

Paoletti, C., Heisenberger, A., Mazzara, M., Larcher, S., Grazioli, E., Corbisier, P., Hess, N., Berben, G., Lübeck, P., De Loose, M., Moran, G., Henry, C., Brera, C., Folch, I., Ovesná, J., Van Den Eede, G.
Kernel lot distribution assessment (KeLDA): a study on the distribution of GMO in large soybean shipments
European Food Research and Technology, 2006, 224 (1): 129 - 139

Blaszczyk, L., Chelkowski, J., Korzun, V., Kraic, J., Ordon, F., Ovesná, J., Purnhauser, L., Tar, M., Vida,G.
Verification of STS markers for leaf rust resistance genes of wheat by seven European laboratories
Cellular and Molecular Biology Letters, 2004, 9 (4B): 805 - 817