

BIOGRAPHY

05/07/2012



Title and name

Prof. Dr. Rosangela MARCHELLI

Nationality

Italian

Panel

Dietetic Products, Nutrition and Allergies (NDA)

Education

- Post-Doctoral fellowship in Physiological Chemistry, 1967-69, Halifax, N.S. Canada
 - Laurea in Chemistry - 1965, University of Pavia, Italy
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Scientific and risk assessment experience

- Chemistry of natural substances
 - Amino acids (in particular D-amino acids)
 - Peptides
 - Mycotoxins
 - Allergens
 - GMO detection
 - Methods for DNA and RNA detection.
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Main scientific publications

200 publications in peer-reviewed journals with impact factors and immediacy index. The ten more relevant papers in the fields above reported (see previous points) are as follows.

Cavatorta V., Sforza S., Mastrobuoni G., Pieraccini G., Francese S., Moneti G., Dossena A., Pastorello E. A., Marchelli R. (2009). Unambiguous characterization and tissue localization of Pru P 3 peach allergen by electro-spray mass spectrometry and MALDI imaging. *Journal of Mass Spectrometry*, 44: 891-897.

Dall'asta C., Falavigna C., Galaverna G., Sforza S., Dossena A., Marchelli R. (2009). A multiresidual method for the simultaneous determination of the main glycoalkaloids and flavonoids in fresh and processed tomato (*Solanum lycopersicum* L.) by Lc-Dad-MS/MS. *Journal Of Separation Science*, 32: 1-8.

Dall'asta C., Mangia M., Berthiller F., Molinelli A., Sulyok M., Schuhmacher R., Krska R., Galaverna G., Dossena A., Marchelli R. (2009). Difficulties in fumonisin determination: the issue of hidden fumonisins. *Analytical and Bioanalytical Chemistry*, 395: 1335-1345.

Scaravelli E., Brohee M., Marchelli R., Van Hengel A.J. (2009). The effect of heat treatment on the detection of peanut allergens as determined by ELISA and real-time PCR. *Analytical and Bioanalytical Chemistry*, 395: 127-137.

A. Germini, A. Paschke, Marchelli R. (2007). Preliminary studies on the effect of processing on the IgE reactivity of tomato products. *Journal of the Science Of Food And Agriculture*, 87: 660-667.

Rossi S, Scaravelli, E, Corradini R., Fogher C, Marchelli R. (2006). A PNA-array platform for the detection of hidden allergens in foodstuffs. *European Food Research and Technology*, 223: 1-6.

A. Germini, S. Rossi, A. Zanetti, R. Corradini, C. Fogher, Marchelli R. (2005). Development of a PNA array platform for the detection of genetically modified organisms in food. *Journal of Agricultural and Food Chemistry*, 53: 3958-3962.

Sforza S., Dall'asta C., Moseriti A., Galaverna G., Dossena A., Marchelli R. (2005). Alternate Isotope-coded derivatization assay: an isotope dilution method applied to the quantification of zearalenone in maize flour. *Angewandte Chemie. International Edition*, 44, 5126-5130.

S. Sforza, G. Galaverna, E. Neviani, C. Pinelli, A. Dossena, Marchelli R. (2004). Study of the oligopeptide fraction in Grana Padano and Parmigiano Reggiano Cheeses by liquid chromatography-electrospray ionization mass spectrometry. *European Journal of Mass Spectrometry*, 10: 421-427.

Marchelli R., Dossena A., Palla G., Audhuy-Peaudecerf M., Lefeuvre S., Carnevali P., Freddi M. (1992). D-Amino acids in reconstituted infant formula: a comparison between conventional and microwave heating. *Journal of the Science of Food and Agriculture*, 59: 217-226.
