



Curriculum Vitae and List of Publications

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Education and Employment

| From (year) | to (year) | |
|-------------|-----------|---|
| 1984 | 1991 | Study of Food- and Biotechnology at the BOKU Vienna |
| 1991 | | Diploma in Food- and Biotechnology, BOKU Vienna |
| 1991 | 1993 | Contractual collaborator at the Institute of Chemistry, BOKU Vienna at the working group of Plant Carbohydrates |
| 1993 | 1995 | Research Assistant at the Institute of Chemistry; BOKU Vienna |
| 1995 | 1999 | Research Assistant at the Institute for Agrobiotechnology in Tulln at the Center for Analytical Chemistry, Head of the working group Biochemical Analysis |
| 1996 | | Doctoral degree in Science, Ph.D., BOKU Vienna |
| 1998 | | Deputy Head of the Center for Analytical Chemistry at the Dep. IFA Tulln, BOKU |
| 1999 | 2005 | University Assistant at the Institute for Agrobiotechnology in Tulln, Center for Analytical Chemistry |
| 2005 | 2012 | Assistant Professor BOKU Vienna |
| 2007 | 2014 | Head of Christian Doppler-Laboratory for Rapid Test Systems for Allergenic Food Contaminants |
| 2012 | | Habilitation at the BOKU Vienna for "Bioanalytik" |
| 2012 | Pending | Assoc.Prof. at the University of Natural Resources and Life Sciences Vienna, Dept. IFA-Tulln, Center for Analytical Chemistry |

Research (main areas)

Food Chemistry and Food Safety

Immunoanalytical and Proteomic Approach for the determination and detection of proteins in food

Rapid Test System development on the base of immunoanalytical methods and mass spectrometric methods for the determination of chemical and allergenic contaminants in food and feed

Antibody development (polyclonal and monoclonal approach), Cell culture techniques for the development of monoclonal antibodies

Selected Publications

- Costa, J; Ansari, P; Mafra, I; Beatriz, M; Oliveira, PP; Baumgartner, S (2015): Development of a sandwich ELISA-type system for the detection and quantification of hazelnut in model chocolates. *FOOD CHEM.* 2015; 173: 257-265
- Costa, J; Ansari, P; Mafra, I; Oliveira, MBPP; Baumgartner, S (2014): Assessing hazelnut allergens by protein- and DNA-based approaches: LC-MS/MS, ELISA and real-time PCR. *ANAL BIOANAL CHEM.* 2014; 406(11): 2581-2590.
- Rudolf J, Ansari P, Kern C, Ludwig T, Baumgartner S (2012) Effects of different extraction buffers on peanut protein detectability and lateral flow device (LFD) performance. *Food. Addit. Contam. Part A Chem. Anal. Control Expo. Risk Assess.* 29(1):1-11.
- Ansari P, Stoppacher N, Baumgartner S (2012) Marker peptide selection for the determination of hazelnut by LC-MS/MS and occurrence in other nuts. *Anal Bioanal Chem.* 402(8):2607-2615.
- Johnson Ph.E, Baumgartner S, Aldick Th, Bessant C, Giosafatto V, Heick J, Mamone G, O'Connor G, Poms R, Popping B, Reuter A, Ulberth F, Watson A, Monaci L, Mills E N C (2011) Current perspectives and recommendations for the development of mass spectrometry methods for the determination of allergens in foods. *J AOAC Int.* 94 (4):1-8.
- Ansari P, Stoppacher N, Rudolf J, Schuhmacher R, Baumgartner S (2011) Selection of possible marker peptides for the detection of major ruminant milk proteins in food by liquid chromatography-tandem mass spectrometry. *Anal Bioanal Chem.* 399(3):1105-1115.
- Baumgartner S, Führer M, Krska R (2010) Comparison of monoclonal antibody performance and characteristics for the detection of two representatives of A- and B-trichotheceenes: T-2 toxin and deoxynivalenol. *World Mycotox. J.* 3(3):233-238.
- Menleey J P, Sulyok M, Baumgartner S, Krska R, Elliott C T (2010) A rapid optical immunoassay for the screening of T-2 and HT-2 toxin in cereals and maize-based baby food. *Talanta* 81:630-636.
- Huber D, Rudolf J, Ansari P, Galler B, Fuhrer M, Hasenhindl C, Baumgartner S (2009) Effectiveness of natural and synthetic blocking reagents and their application for detecting food allergens in enzyme-linked immunosorbent assays. *Anal. Bioanal. Chem.* 394(2):539-548.
- Reece P, Bremer M, Stones R, Danks C, Baumgartner S, Tomkies V, Hemetsberger C, Smits N, Lubbe W (2009) A bioinformatics approach to the development of immunoassays for specified risk material in canned meat products. *Anal Bioanal Chem.* 394(7):1845-1851.
- Rudolf J, Führer M, Galler B, Ansari P, Hasenhindl Ch, Baumgartner S, (2009) Differences in usability of rabbit IgG and chicken IgY after clean-up and impact on gold labelling properties. *J. Immunol. Meth.* 350:79-88.
- Schubert-Ullrich P, Rudolf J, Ansari P, Galler B, Führer M, Molinelli A, Baumgartner S (2009) Commercialized rapid immunoanalytical tests for determination of allergenic food proteins: an overview. *Anal Bioanal Chem.* 395(1):69-81.
- Molinelli A, Grossalber K, Führer M, Baumgartner S, Sulyok M, Krska R, (2008) Development of Qualitative and Semiquantitative Immunoassay-Based Rapid Strip Tests for the Detection of T-2 Toxin in Wheat and Oat, *J. Agric. Food Chem.* 56:2589–2594.