

## **Giorgia Foca**

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Born in Mirandola, Italy, in September 1977. She graduated in Chemistry with full marks (110/110) at the University of Modena and Reggio Emilia in October 2001. In January 2005 she received the PhD degree in Chemistry with a final dissertation having title "New methods for the cereal analysis: coupling multivariate techniques with infrared spectroscopy". In the years 2005-2007 she worked as post-doc researcher at the Department of Agricultural and Food Sciences of the University of Modena and Reggio Emilia. In November 2007 she obtained a permanent position as researcher in Analytical Chemistry at the same institution.

Her research interests include fingerprint analytical methods (mainly NIR and MIR spectroscopy, voltammetric artificial tongue and chromatographic data) and chemometrics, in particular pattern recognition, signal and image processing aimed to multivariate calibration and classification tasks, and multivariate experimental design. In the field of food analysis, she is involved in studies aimed at control, characterisation and valorisation of raw materials and finite products, both artisanal and industrial ones.

Giorgia is author of more than 40 peer-reviewed papers in international indexed journals and more than 100 publications in international conference proceedings. Among other activities, she is Member of the Steering Committee of the Group of Chemometrics of the Italian Society of Chemistry (Division of Analytical Chemistry). Moreover, she works as a common reviewer of several peer-review international journals and as an evaluator of national research foundations. She is winner of the Graduate Experimental Thesis Spinner Award (Regione Emilia Romagna), of the "Ambrogio Mazzucotelli" Award 2008 for Analytical Spectroscopy at the Italian Symposium of Analytical Spectroscopy and of some poster awards at national and international congresses.