

PERSONAL INFORMATION **Barbara Brunetti**

POSITION **Senior Researcher**

WORK EXPERIENCE

From 2001 to date **Senior Researcher** at the Faculty of Agricultural and Food Sciences, University of Milan.
 Research interests: development of analytical techniques for quantifying analytes of environmental and alimentary concern in real matrices (mainly by electrochemical techniques). Some topics relevant to analytical quality assurance (e.g. development of procedures for validating analytical methods and for a proper consideration of the uncertainty of measurement when assessing compliance with reference values and statutory limits).
 Teaching activities: Course "Analytical chemistry" from 2016, "Instrumental analytical chemistry", from 2004 to 2015. Many short courses about analytical chemistry and quality assurance since 2001.

From 2000 to 2001 **Post-doctoral fellow**
 at the Faculty of Agricultural and Food Sciences, University of Milan.

EDUCATION AND TRAINING

January, 2000 **Ph.D, Chemistry**
 University of Ferrara (in consortium with University of Venice).

March, 1996 **Doctor degree in Chemistry**
 University of Ferrara (I)

PERSONAL SKILLS

Mother tongue **Italian**

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C1
German	B1	B1	A2	A2	A1
French	A2	B1	A1	A1	A1

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Independent user

Good command of office suite (word processor, spread sheet, presentation software)

Driving licence **B**

ADDITIONAL INFORMATION

Author of several publications about electroanalysis and quality assurance. Speaker at international meetings.

Referee for international scientific journals, including: Electroanalysis, Journal of Electroanalytical Chemistry, Electrochimica Acta, Electrochemistry Communications, Analytical Letters, Analytical Methods.

Advisor and co-advisor of many bachelor and master degree thesis (Food science and technology degree) mostly about voltammetric methods for analysis of food components and analytical quality assurance.

Member of the Italian Chemical Society

STUDY VISITS

June/ December 2015 and August/ December 2013: Visiting scholar at the Dept. of Nanoengineering, UCSD (USA)

April/ October 2004: Visiting researcher at the University of Regensburg (G)

October 1998/ January 1999: Visiting student at the Colorado State University, USA

MOST RECENT PUBLICATIONS

Wearable Wireless Tyrosinase Bandage and Microneedle Sensors: Toward Melanoma Screening, B. Ciui, A. Martin, R. K. Mishra, B. Brunetti, T. Nakagawa, T. J. Dawkins, M. Lyu, J. Wang, Adv. Healthcare Mater., 7 (2018) 1701264

A simple hydroxylated multi-walled carbon nanotubes modified glassy carbon electrode for rapid amperometric detection of bisphenol A, M. S. Cosio, A. Pellicanò, B. Brunetti, C.A. Fuenmayor, Sens. Actuators B. Chem., 246 (2017) 673

Recent Advances in Electroanalysis of Vitamins. B. Brunetti, Electroanalysis, 28 (2016) 1930

Electrochemical signatures of multivitamin mixtures. A.M.V. Mohan, B. Brunetti, A. Bulbarello, J. Wang, Analyst, 140 (2015) 7522

Wearable temporary tattoo sensor for real-time trace metal monitoring in human sweat. J. Kim, W.R. De Araujo, I.A. Samek, A.J. Bandodkar, W. Jia, B. Brunetti, T.R.L.C. Paixão, J. Wang, Electrochem. Comm. 51 (2015) 41

Personal information

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I authorize, according to D.lgs 14/03/2013 n. 33 concerning transparency, in case of conferment of the position and of the fellowship, the publication of this curriculum in the web site of Università degli Studi di Milano in the section "Amministrazione trasparente", "Consulenti e collaboratori".

November 6, 2018

