



Massimo Brambilla



europass

Date of birth: 06/09/1968 | **Nationality:** Italian | **Gender:** Male |

(+39) 3474184608 | massimo.brambilla@crea.gov.it |

<https://orcid.org/0000-0002-0998-0522> |

<https://www.scopus.com/authid/detail.uri?authorId=7005473286> |

Via Milano 43, 24047, TREVIGLIO, Italy

WORK EXPERIENCE

28/12/2012 – CURRENT

RESEARCHER – CREA - CONSIGLIO PER LA RICERCA IN AGRICOLTURA E L'ANALISI DELL'ECONOMIA AGRARIA, CENTRO DI RICERCA

Employed since August 2011 at the Treviglio headquarters of CREA IT, since December 2012 he has been a permanent researcher dealing with: i) engineering and health aspects related to the management and use of livestock effluents and biomasses in agriculture also with technologies that can allow its use in precision farming; ii) automation of breeding operations; iii) development of forecast models; iv) analysis of the vibrations in agricultural vehicles with reference to the operator's comfort and to the study of the stresses that act during transit on the soil; v) safety in agriculture (stability of farm machinery and danger of overturning).

He acted as scientific manager of research conventions developed with companies that received funding under the ENAMA Innovative Machines Calls (2012 and 2013). He is currently working as the scientific manager of a project focusing the automatic feeding of cattle (AUTOFEED) funded by Regione Lombardia.

He is the author of 3 books and book chapters and 38 Scopus indexed publications (July 2019, Author ID: 7005473286) which received 237 total citations from 217 documents (h index = 9).

He works as a peer reviewer for scientific journals in agricultural engineering and agronomy as: "Biomass & Bioenergy", "Bioresource Technology", "Italian Journal of Agronomy", "Journal of Cleaner Production", "Transactions of the ASABE" (<https://publons.com/researcher/458363/massimo-brambilla/>).

He is enrolled in the register of scientific experts of the MIUR - Ministero dell'Istruzione, dell'Università e della Ricerca (REPRISE - Register of Expert Peer-Reviewers for Italian Scientific Evaluation).

He has carried out extra-institutional activities such as:

- i) Expert evaluator for the Research Executive Agency of the European Commission for the evaluation of project proposals received under the Horizon 2020 program (EX2013D135588).
- ii) Evaluator of the projects submitted in the call within the scientific cooperation agreement between Italy and Israel on the "Water and Soil Treatment" issue (2015).
- iii) Guest Editor of the Special Issue "*Manure Management and Sustainability*" for the Journal Sustainability (MDPI)
- iv) Lecturer at the seminar entitled "Agricultural installations for biogas production", carried out as part of the PhD in Energy and Sustainable Development, XXXII academic year 2016-2017, of the University of Perugia.
- v) A qualified expert teacher for scientific seminars for primary school pupils.

02/2004 – 07/2011

RESEARCH FELLOW/LABORATORY TECHNICIAN – UNIVERSITY OF MILAN, DEPARTMENT OF VETERINARY SCIENCES FOR FOOD SAFETY (VSA)

Characterization and quantification of the odour emissions from farms using dynamic olfactometry techniques and the use of a sensor array (electronic nose).

Application of dynamic olfactometry techniques and a sensor array (electronic nose) to monitor, characterise and quantify of the odours emitted by pig farms and composting plants.
Assessment of biomethane potential of agricultural byproducts and biomasses with subsequent monitoring and tuning of the process parameters of the anaerobic digestion of biomasses.
Study of atmospheric dispersion of pollutants by applying a Gaussian model.
Project writing and editing (Life Plus "Gas Off"; IEE "Sustain", PRIN 2009;).
Trainer of courses on "Plants and Structures for Breeding", "Territorial Planning, Facilities and Facilities for Breeding" (Degree Course in Breeding and Animal Welfare) and "Rural Constructions" (Degree Course in Veterinary Medicine).
Graduate Thesis advisor
Milano, Italy

12/1997 – 12/2002

GRANT FELLOWSHIP/PHD STUDENT – CATHOLIC UNIVERSITY OF THE SACRED HEART, FACULTY OF AGRICULTURE

Radionuclide transfer from leaf/soils to fruits in horticultural plants
Dynamic model calibration and validation for the management of the radioactive pollution of processing tomato fruits.
Studies for the extension of the validation of a dynamic model on radioactivity flow in plants of agricultural interest.
Trainer for the General and Inorganic Chemistry Course

● **EDUCATION AND TRAINING**

11/2003

LICENSURE AGRONOMIST – Università Cattolica del Sacro Cuore, Facoltà di Agraria

01/02/2002 – Piacenza, Italy

PHD IN AGRICULTURAL CHEMISTRY – Catholic University of the Sacred Heart-Faculty of Agriculture

EQF level 8

18/07/1996 – Piacenza, Italy

DEGREE IN AGRICULTURAL SCIENCE – Catholic University of the Sacred Heart - Faculty of Agriculture

EQF level 7

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C1	C1	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

Good communication and relational skills acquired during the years of research activities (participation in conferences, tutor, tutoring of degree theses)
Excellent communication experiences with children acquired during projects of scientific dissemination in primary school

● JOB-RELATED SKILLS

Job-related skills

Statistical processing of data
Editing, review and evaluation of scientific articles and research projects
Teaching activity (primary school, high school, university)

● TRATTAMENTO DEI DATI PERSONALI

Trattamento dei dati personali

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 del Regolamento UE 2016/679 relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali.