Marilena Budroni born on March 27th, 1958. Degree in Agricultural Sciences, PhD in Microbial Biotechnologies at the University of Sassari; Graduate Course in viticulture and oenology at the University of Turin. 1994: Assistant Professor in Agricultural Microbiology, University of Sassari. From 1989 to 1990 and in 1998: research activity at IPV-INRA Montpellier (France). 1994: Research activity at the Biological Center, Groningen (The Netherlands). 2001: Associate Professor in Agricultural Microbiology, at the University of Sassari. Assigned university courses: Agricultural Microbiology, Microbial Biotechnologies, General Microbiology, Agri-Food Microbial Biotechnologies; teaching activities in PhD and Master courses. Coordinator of PhD course on Agri-Food Microbial Biotechnologies. In 2012 group leader of EMBARC grant in CABi labs (England). Visiting professor for three month (March-May) in 2016 at Cordoba University, Campus Rabanales.

Research activities focused on the genetic and physiology of microorganisms of biotechnological interest. In particular: isolation and characterization of genes involved in biofilm formation, development of molecular methods for the identification and detection of microorganisms in food matrix; study of the interactions among microorganisms to develop natural antimicrobial substances, study of lipid metabolism in wine yeast in relation to stuck fermentations, development of molecular methods for genetic improvement of oenological and brewer yeast strains. Technological transfert to SME breweries.

She was delegate specialist in microbiology of the Italian Delegation at OIV. Scientific leader of Research Units in MIUR and MIPAAF national project; responsible of official agreement for post-doc and research project financing. Associate of SIMTREA (Italian Society of Agri-food and Environmental Microbiology). National Coordinator of the two-year project that was evaluated as excellent project entitled "Pseudohyphal development and pathogenicity in Pichia fermentans: Evaluation of new risk factors in the use of antagonistic microorganisms". MIUR 2007.

Collaboration with Institut Pasteur in order to identify homologous genes involved in adherence of strains of *Saccharomyces cerevisiae* and *Candida albicans.* Molecular characterization of yeast strains isolated from sourdoughs by CGH Microarray in genome of some strains of *Saccharomyces cerevisiae* producing biofilms. Isolation and characterization of genes involved in the formation of biofilm (flor) by wine strains of *Saccharomyces cerevisiae.* The close collaboration with the Department of Food Science and Technology at Oregon State University (USA), allowed the isolation of genes involved in the phenomenon flor (HSP12, FLO11) and highlighted in a third gene RAS2 still under characterization. With INRA, Montpellier she collaborates for sequencing the flor yeast genome. She has participated and coordinated several research projects, national and international.

Author and co-author of 180 scientific papers including 46 peer reviewed articles on international journals, several articles on national journals, 8 book chapters published by national and international editors, oral communications and posters presented at national and international meetings, different popular works. Reviewer of MIUR Agricultural Minister of Italy and peer reviewer of international journals: Yeast, Annals of Microbiology, FEMS Yeast research, Journal of Applied microbiology. Member of monitoring commission of course in Agricultural Sciences and Technologies; member of PhD School in Sciences and Biotechnologies

of Agricultural systems and Food Productions, University of Sassari. Member of Vegetal Biodiversity Center of University of Sassari.