Personal Information		Ilaria Maria Mannazzu
E-mail		imannazzu@uniss.it
Position		Associate professor, University of Sassari
Academic Degrees		PhD in Microbial Biotechnology, national academic qualification as full professor of Microbiology (2015).
Professional experience		Research activity carried out mainly at: Department of Molecular Biology and Biotechnology (MBB) of the University of Sheffield (U.K.) (1991-1993 and 1998), Dipartimento di Scienze degli Alimenti (DiSA) (formerly DiBiAgA) of the Università Politecnica delle Marche (from 1993 to 2006), DiSAABA of the University of Sassari from 2006 to 2012; Dipartimento di Agraria University of Sassari from 2012 to the present. Research interests regard physiology and genetics of microorganisms of biotechnological interest, mainly yeasts, among which Saccharomyces cerevisiae and non-conventional yeasts. At present involved in the study of: i) biotechnological production of secondary metabolites with red yeasts; ii) carotenogenic pathway; iii) yeast-yeast and yeast-fungal phytopathogens interactions; vi) fermentative stress response. Author of 54 publications on international journals and 7 book chapters. Speaker at national and international conferences. Anonymous reviewer for several international scientific journals.
Teaching		General Microbiology Microbial Biotechnology
Research: 5 selected recent publications		- Chessa, R., Landolfo, S., Ciani, M., Budroni, M., Zara, S., Ustun, M., Cakar, Z.P., Mannazzu, I. (2017) Biotechnological exploitation of Tetrapisispora phaffii killer toxin: heterologous production in Komagataella phaffii. APPLIED MICROBIOLOGY AND BIOTECHNOLOGY. 101:2931-2942. - Addis, M.F., Tanca, A., Abbondio, M., Cutzu, R., Biosa, G., Pagnozzi, D., Uzzau, S., Mannazzu, I (2016) Proteomic analysis of Rhodotorula mucilaginosa: Dealing with the issues of a non-conventional yeast. YEAST 33(8): 433-449 - Legras, J-L., Moreno-Garcia, J., Zara, S., Garcia-Martinez, T, Mauricio, J.C., Mannazzu, I., Coi, A.L., Zeidan, M.B., Dequin, S., Moreno, J., Budroni, M (2016). Flor Yeast: New Perspectives Beyond Wine Aging. FRONTIERS IN MICROBIOLOGY. 7:503 - Mannazzu I, Landolfo S, Da Silva Tl, Buzzini P (2015). Red yeasts and carotenoid production: outlining a future for non-conventional yeasts of biotechnological interest. World Journal of Microbiology and Biotechnology vol. 31, 1665-1673. - Sanna Ml, Zara G, Zara S, Migheli Q, Budroni M, Mannazzu I (2014). A putative phospholipase C is involved in Pichia fermentans dimorphic transition. BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL SUBJECTS, vol. 1840, p. 344- 349.
Memberships		Società di Microbiologia Agraria, Alimentare e Ambientale (SIM3A) Italian Group of Wine Microbiology (GMV)