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Curriculum

He is full professor of *Food Unit Operations* at the Univ. of Tuscia; vicechairman of the Italian Society of Food Science and Technology (SISTAL); member of the Editorial Boards of the *Italian Journal of Food Science* (F2007=0.506), *Journal of Food Engineering* (IF2007=1.848) and *World Journal of Microbiology and Biotechnology* (IF2007=0.745); Italian delegate at the Food Group (Eur. Federation of Chem. Engng). He was associate professor of *Food Process Engineering* (Univ. of Rome I). He was visiting researcher at the National College of Food Technology of the Univ. of Reading (Weybridge, UK); full professor of *Food Processing* at the Univ. of Basilicata and Director of the Institute of Agricultural and Forestry Microbiology and Technology. He was appointed chairman of the BSC and MSC in *Food Technology* (2003-2004) and PhD Course in *Food Biotechnology* (2000-2006), at the University of Tuscia, and of SISTAL in the year 2006-2009.

Research Activities

His research activity has dealt with the development of fermentation processes for the production of microbial biomasses, ethanol, organic acids, and polysaccharides, of enzymatic processes to detoxify wines, and of membrane processes (cross-flow microfiltration, reverse osmosis, nanofiltration, electro dialysis) to recover cells and acidic metabolites from fermentation broths, and with the study of the rheological behaviour of liquid suspensions or gel systems regarding the food biotechnology sector. He has so far published 187 papers in qualified journals and presented 149 (oral and/or poster) communications to domestic and/or international congresses.

Current Teaching

Food Unit Operations (9 CFU) – BS in *Food Technology*; *Food Sustainable Emerging Technologies* (6 CFU) – MS in *AgroFood Safety and Quality*; *Agrofood Industry Environmental Impact* (2 CFU) - Master in *Novel Professional Jobs: environment as an opportunity* – course area Environmental sustainability and Life Cycle Assessment of the agrofood system.

Recent Publications

- Andrich L., Esti M., **Moresi M.**, 2010. Urea degradation kinetics in model wine solutions by acid urease immobilised onto chitosan-derivative beads of different sizes. *Enzyme Microb. Technol.*, 46: 397-405.
- Fidaleo M., **Moresi M.**, 2010. Application of the Nernst-Planck approach to model the electro dialytic recovery of disodium itaconate. *J. Membr. Sci.*, 349: 393-404.
- Moresi M.**, Sebastiani I, Wiley D. E., 2009. Experimental strategy to assess the main engineering parameters characterizing sodium alginate recovery from model solutions by ceramic tubular ultrafiltration membrane modules. *J. Membr. Sci.*, 326: 441-452.
- Giancone T., Torrieri E., Di Pierro P., Mariniello L., **Moresi M.**, Porta R., Masi P., 2008. Role of constituents on the network formation of hydrocolloid edible films. *J. Food Eng.*, 89: 195-203.
- Crognale S, Bruno M., **Moresi M.**, Petruccioli M., 2007. Enhanced production of β -glucan from *Botryosphaeria rhodina* using emulsified media or fan impellers. *Enzyme Microb. Technol.*, 41: 111-120.