

CURRICULUM VITAE - GIUSEPPINA MONTANTE

Webpage: <https://www.unibo.it/sitoweb/giuseppina.montante>

Current position: Full Professor of Chemical Engineering at Department of Industrial Chemistry of the University of Bologna (Italy)

Education & research experience

1990 - 1996 BS & MS (cum laude) in Chemical Engineering at University of Palermo (Italy)

1996 - 1999 PhD in Chemical Engineering at University of Palermo (Italy)

1997 (Oct.)- 1998 (April) Visiting Scholar at King's College London (UK)

1999 - 2002 Post-doc in Chemical Engineering at University of Bologna (Italy)

2000 (Nov.) - 2001 (Apr.) Visiting Scholar at King's College London (UK)

Work

2002 - 2010 Assistant Professor at the Faculty of Industrial Chemistry of the University of Bologna (Italy)

2010 - 2017 Associate Professor at the Faculty (Department after 2012) of Industrial Chemistry of the University of Bologna (Italy)

2017 - present Full Professor at the at the Department of Industrial Chemistry of the University of Bologna (Italy)

International Awards & Recognition

- Young Researcher Award (2006) from the Working Party on Mixing of the European Federation of Chemical Engineering, "For scientific achievements in mixing research".
- IChemE Journals' 2011 Best Reviewers Award, in recognition of an outstanding contribution to the quality of the IChemE journals.
- Chemical Engineering Science Most Cited Authors Award 2003-2006 for the paper: Nikiforaki L., G. Montante, K.C. Lee and M. Yianneskis, Chemical Engineering Science, 58, 2937-2949, 2003.
- Chemical Engineering Research and Design Most Cited Authors Award 2006-2009 for the paper: Montante G., Paglianti A., Magelli F. Chemical Engineering Research and Design, 85, 647-653, 2007.
- Computer & Chemical Engineering Most Cited Author Award 2010-2012 for the paper: M. Coroneo, G. Montante, A. Paglianti, F. Magelli. CFD prediction of fluid flow and mixing in stirred tanks: Numerical issues about the RANS simulations, 35, 1959-1968, 2011.

Membership in Professional Organizations and Scientific Committees

- Member of the Italian Association of Chemical Engineering (AIDIC)
- Member of the European Federation of Chemical Engineering (EFCE)
- Member of the Working Party on Mixing of the European Federation of Chemical Engineering (EFCE)
- Member of the GRICU (Gruppo Ingegneria Chimica dell'Università)

Institutional roles

- Director of First Cycle Degree of Chemistry and Technologies for the Environment and Materials of the University of Bologna (2016-present)
- Chairman of the Award Committee of the Working Party on Mixing of the European Federation of Chemical Engineering (EFCE)

Membership in editorial boards of international journals, scientific committees of international conferences and reviewing activity

- Associate Editor for the Canadian Journal of Chemical Engineering (2013-2016)
- Associate Editor for the Chemical Engineering Research and Design (2017- 2018)
- Member of the Advisory Board of the Canadian Journal of Chemical Engineering (2017-present)
- Member of scientific committees of the International Symposium on Mixing in Industrial Processes (ISMIP) 2017, European Conference on Mixing (2009-present), International Congress of Chemical and Process Engineering CHISA (2016-present), “CFD in Chemical Engineering: Process Design” in 10th World Congress of Chemical Engineering 2017, “International Conference on Processing, Handling and Characterization of Particulate Materials” (PARMAT) in 10th World Congress of Chemical Engineering 2017, International Conference of Chemical and Process Engineering (2013-present)
- Reviewer for the most important journals in her field

Since 1999, she has been involved in several research projects financially supported by MIUR (PRIN, FIRB, FISR), European Union (Network 'MixNet'), CNR, University of Bologna and private companies.

The research activity is mainly concerned with the experimental analysis and the modelling of chemical, biochemical and process industry equipment, with a particular focus on turbulent multiphase systems. Research efforts have been devoted to the development and application of advanced experimental techniques (Particle Image Velocimetry, Laser Doppler Velocimetry, Electrical Resistance Tomography) and Computational Fluid Dynamics methods for the characterization and the prediction of single and multiphase flows in different process equipment. Special attention has been given to fluid mixing in stirred tanks. In addition, fluidised beds, static mixers, membrane modules for gas mixture separations, filter-press, model bioreactors and inertial separators for oil and gas applications have been also investigated.

Publications & Citation Report

Giuseppina Montante has published numerous papers on international journals and on proceedings of international conferences.

Bibliometric parameters (July 2021, Scopus)

Total number of documents: 76

Total number of citations: 2218

Hirsch factor (H-index): 29