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Resumé

Marco Mazzotti, an Italian and Swiss citizen born in 1960, married, with two children, has been professor of process engineering at ETH Zurich since May 1997 (associate until March 2001 and full professor thereafter). He holds a Laurea (M.S., 1984) and a Ph.D. (1993), both in Chemical Engineering and from the Politecnico di Milano, Italy. Before joining ETH Zurich, he had worked for IBM Italy (1985-1987) and Montefluos (1988-1990), and had been assistant professor at the Politecnico di Milano (1994-1997).

His research activity deals with adsorption based separations and chromatography, and with crystallization and precipitation processes. The application areas of interest are the purification of biopharmaceuticals and the development of carbon dioxide capture and storage systems. He teaches classes on Separation Processes, Mathematical Methods for Chemical Engineers, Carbon Dioxide Capture and Storage, and an introductory class on Chemical Engineering. Twenty-two PhD students have graduated with him and twelve are currently advised by him. His refereed publications include more than 180 journal articles, 20 articles in books and 6 book chapters.

Marco Mazzotti has been coordinating lead author of the IPCC Special Report on Carbon Dioxide Capture and Storage (2002-2005). He is President of the International Adsorption Society and also an active member of the AIChE, of the ACS, and of the Working Party on Crystallization of the EFCE. He was the chair of the 9th International Conference on Fundamentals of Adsorption FOA9 (Italy, May 20-25, 2007), and will be the chair of the 18th International Symposium on Industrial Crystallization (Switzerland, September 15-16, 2011). Marco Mazzotti was a contributor to the Nobel Peace Prize for 2007 awarded to the Intergovernmental Panel on Climate Change (IPCC).

Recent Publication list

1. Lindenberg C, Mazzotti M. Continuous Precipitation of L-Asparagine Monohydrate in a Micromixer: Estimation of Nucleation and Growth Kinetics. *Aiche Journal* 2011;57(4):942-50.
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5. Codan L, Babler MU, Mazzotti M. Phase Diagram of a Chiral Substance Exhibiting Oiling Out in Cyclohexane. *Crystal Growth & Design* 2010;10(9):4005-13.
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7. Cerdeira AM, Mazzotti M, Gander B. Miconazole nanosuspensions: Influence of formulation variables on particle size reduction and physical stability. *International Journal of Pharmaceutics* 2010;396(1-2):210-8.
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15. Mazzotti M, Tarafder A, Cornel J, Gritti F, Guiochon G. Experimental evidence of a delta-shock in nonlinear chromatography. *Journal of Chromatography A* 2010;1217(13):2002-12.
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