

## CURRICULUM VITAE - CLAUDIA BONECHI

### Personal Data

Department of Biotechnology, Chemistry and Pharmacy

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### Education and training

Bachelors degree in Chemistry and Pharmaceutical Technology at the University of Siena, 1993.

Visiting scientist at the Department of Biochemistry and Molecular Biology, University College of London, October-December 1997.

PhD in Chemistry, at the University of Siena, 1998.

Research grantee from the Center for Colloid and Surface Science (CSGI), University of Florence, 1998-1999.

Research fellow in Chemistry of University of Siena, 1999-2002.

Researcher in the FIRB 2001 project, 2002-2005.

### Research Activity

Associate professor in physical-chemistry at the University of Siena (Department of Biotechnology, Chemistry and Pharmacy), from 2022.

Scientific production consists of 100 manuscripts published in international journals.

Main research activities are:

- conformational analysis of biomolecules in solution using nuclear magnetic techniques and theoretical methods;
- analysis of relaxation processes in nuclear magnetic resonance;
- physical-chemical characterization of vegetable matrices to evaluate antioxidant and/or pharmacological properties;
- development of nano-structured systems (liposome) as carriers for bioactive compounds (*drug-delivery systems*).

Referee for some international journals.

Member of Società Chimica Italiana from 2000.

Member of the MIUR Review Board for the evaluation of Italian research projects, Futuro in Ricerca 2013 (FIRB2013).

Member of the REPRISE (Register of peer expert reviewers for the Italian scientific assessment) Register of scientific experts, Italian and foreign, established at the Ministry of Education, University and Research (MIUR) for the evaluation of proposals, progress and results of the research projects of MIUR itself (from 2015).

Member of the Professor-Student Committee of the Department of Biotechnology, Chemistry and Pharmacy from 2017.

Member of Doctorate Committee on Experimental Physics from XXXV cycle (A.A. 2029/2020).

Member of Quality Assurance of University of Siena from 2022.

### **Teaching Activity**

BS course, *Material Corrosion*: 2005-2010.

BS course, *Surface Characterization and Laboratory*: 2007-2008.

BS course, *Materials Characterization Methods*: 2009-2010.

MS course, *Chemical Characterization of liposome*: 2013-2014.

MS course, *Methods for characterization of drug delivery systems*: 2014-2015.

BS course, *Physical-Chemistry I, module II*: 2015-2023.