



Short CV

Prof. Gigliola Lusvardi

Present Position: Associate Professor in General and Inorganic Chemistry at the Department of Chemical and Geological Sciences of the University of Modena and Reggio Emilia since 1 November 2005.

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PREVIOUS POSITIONS AND FELLOSHIPS

- **From May 1996 to November 2001** Technical collaborator at the Department of Chemistry of University of Modena and Reggio Emilia
- **From November 2001 to November 2005** Associate Researcher (General and Inorganic Chemistry, CHIM03), at the Department of Chemistry of University of Modena and Reggio Emilia
- **From November 2005 to present**, Associate Professor (General and Inorganic Chemistry, CHIM03), at Department of Chemical and Geological Sciences, University of Modena and Reggio Emilia. From 2017 qualified as Full Professor by ASN.

TRAINING

- 1992-present teacher of several courses of the Department of Chemical and Geological Sciences
- Teacher of Master of University of Modena and Reggio Emilia
- 1995–present teacher of School of Graduate Studies “Multiscale Modelling, Computational Simulations and Characterization in Materials and Life Science” of University of Modena and Reggio Emilia.

AFFILIATIONS

- Member of the “Società Chimica Italiana (SCI)”
- Member of Spanish and European Network of Excellence for the Prevention and Treatment of Osteoporotic Fractures, “Ageing” (www.ageing.net).
- Member of Consorzio Interuniversitario Nazionale per la Scienza e Tecnologia dei Material
- Member of Research unit of PRIN/COFIN, Local PI of PRIN units.

RESEARCH

Author and co-author of over 100 publications on international and national journals

- Referee of international journal of inorganic and material chemistry: Material Chemistry, Journal of American Ceramics Society, Acta Biomaterialia., Journal of Colloid and Interface Science, Journal of Non Crystalline Solids., Materials Sciences &Engineering, Langmuir.
- Guest Editor, Editorial Boards for Materials
- Talent research reviewer

BRIEF DESCRIPTION OF THE RESEARCH ACTIVITY

The research activity is mainly carried out in the field of inorganic materials, starting from their synthesis, functionalization and subsequent complete characterization from the qualitative and quantitative point of view. Particularly, the research activity regards synthesis and characterization of biomaterials, calcium phosphates and bioglasses (silicates and phosphosilicates) in order to define the best conditions of synthesis (traditional and sol-gel) modulate the different dimensions (nano and micro dimensions) for specific application (scaffolds, drug delivery systems, self-assembled monolayers, coatings, teranostic devices). New composition of bioglasses are also studied and are obtained by means of the addition of metal nanoparticles o metal oxides with interesting biological properties. The characterization (solid/liquid combined studies) is carried out before and after the in vitro and vivo studies.

PUBLICATIONS

<http://personale.unimore.it/rubrica/pubblicazioni/lusvardi>