

Silvia Vicini

Full Professor

EDUCATION AND TRAINING

1998

M. Sc. Chemistry

University of Genoa

2002

Ph.D. in Chemistry

University of Genoa

PROFESSIONAL HISTORY

2005-2016

Researcher

University of Genoa

2016-2023

Associate Professor

University of Genoa

2023

Full Professor

University of Genoa

ACADEMIC APPOINTMENTS

2009-2013

Paritetic Commission, Science MFN

University of Genoa

From 2018

Committee (and RM) for Sustainability Science and Technology, High School IANUA

University of Genoa

From 2019

Orientation Delegate for School of Science MFN

University of Genoa

From 2023

Academic Board of the PhD in Physics and Nanosciences

University of Genoa

From 2024

Vice Director – Department of Chemistry and Industrial Chemistry

Member of Giunta of Department

University of Genoa

EXPERIENCE

MAIN SEMINARS

2006 Invited lesson

Metodi termici per la determinazione della miscibilità

XXVII Convegno-Scuola AIM Mario Farina "Leghe e formulati polimerici: miscelazione fisica e reattiva". Gargnano (BS)

2017 Invited Speaker

Nuovo sistema per l'ottenimento di idrogeli a base di alginato, utilizzabili per la pulitura di manufatti artistici

Workshop project SMARTGELS. I geli polimerici nella conservazione dei Beni Culturali: studi scientifici ed esperienze di restauro a confronto. Centro Conservazione e Restauro "La Venaria Reale" (TO)

2018 Keynote

Alginate membranes and hydrogels: gelling process and different applications.

XXIII Convegno Nazionale dell'Associazione Italiana di Scienza e Tecnologia delle Macromolecole. Catania

2021 Invited Speaker

Chitosan membranes obtained by electrospinning process

2nd International Conference on CHEMISTRY FOR BEAUTY AND HEALTH. Digital Edition

2022 Keynote

Polymers in the conservation of artefacts with historical-artistic interest

7th Northwestern Polytechnical University Cultural Heritage Interdisciplinary High-level Forum and Cultural Heritage Preservation Technological Equipment Exhibition, Xi'an, China (online)

2025 Plenary lecture

Biopolymers and electrospinning techniques for the development of advanced applications

International Conference on Polymers for Sustainable Development, Bangalore (India) - Online mode

2025 Keynote lecture

Biopolymeric Membranes and Gels for Advanced Applications

Membrane Materials - Modification and Separation, 3rd conference, 27-30 May 2025, Torun (Poland)

SCIENTIFIC RESPONSIBILITY FOR RESEARCH PROJECTS ACCEPTED FOR FUNDING ON THE BASIS OF COMPETITIVE CALLS INVOLVING PEER REVIEW

2022 PRIN (PI)

GREENTEX - GREEN innovative production of bio-based TEXTiles: spinning, electrospinning and life cycle assessment of clever textiles for apparel architecture and interior design

TEACHING OR RESEARCH POSITIONS (FELLOWSHIPS) AT FOREIGN UNIVERSITIES AND RESEARCH INSTITUTES

2002 NATO Science Program, Collaborative Linkage Grant

Study of the interactions and miscibility between chitosan and polyvinylpyrrolidone

Faculty of Chemistry, Nicolaus Copernicus University, Torun, Poland

2014 Teaching: "Os saís como agentes de degradação" Curso de Caracterização e Conservação da Pedra

European Project CHARISMA - Cultural Heritage Advanced Research Infrastructures: Sinergy for a Multidisciplinary Approach to Conservation and Restoration.

Universidade Federal de Minas Gerais (UFMG), Belo Horizonte, Brasile

EDITORSHIP OR PARTICIPATION IN EDITORIAL BOARDS OF JOURNALS, PUBLISHING SERIES,
ENCYCLOPAEDIAS AND TREATISES

From 2015 Scientific Coordinator of Collana editoriale AIM Testi-Scienze dei polimeri, Edizioni
Nuova Cultura, Roma

PRIZES AND ACCOLADES FOR SCIENTIFIC ACTIVITY, INCLUDING MEMBERSHIP OF ACADEMIES

2023 Excellence Award

Chitosan-Collagen Electrospun Wound Healing Patches

International Exhibition of Inventions and Technology InnoWings 2023, (Category Healthy
Society) Lublin, Poland

2025 Excellence Award

Coaxial Electrospaying of Chitosan-Based Microcapsules for Innovative Drug Delivery System

International Exhibition of Inventions and Technology InnoWings 2023, (Category Healthy
Society) Lublin, Poland

PARTICIPATION IN THE CREATION OF NEW BUSINESS ENTITIES (SPIN-OFFS), DEVELOPMENT, USE AND
COMMERCIALISATION OF ACADEMIC PATENTS

2003 Patent No.: US 6,635, 714 B1

Weatherable Fluoropolymer-Acrylic Composition

Inventors: K. Wood, L. Hedhli, S. Vicini, S. Moyses

Titular: Atofina Chemicals Inc. Philadelphia PA (USA)

2021 Patent PCT/IB2022/060579

Processo per la produzione di polimetilmetacrilato comprendente nanoparticelle di ossido di
gadolinio in alta concentrazione

Inventors: B. Bottino, G. Testera, A. Caminata, M. Pallavicini, A. Marini, D. Peddis, S. Slimani, D.
Cavallo, S. Vicini

Titular: INFN and UniGE

OTHER EXPERIENCES

From 2025 Administrative Secretary

Associazione Italiana di Scienza e Tecnologie delle Macromolecole