

## Silvia Farè – Curriculum Vitae

### Academic career

- Silvia Farè obtained her Master of Science degree in Management and Industrial Engineering, Politecnico di Milano, in July 1994.
- In May 1998, she obtained her PhD degree in Biomaterials (X<sup>^</sup> cycle), Politecnico di Milano, with a thesis on the investigation of the mechanisms related to the *in vitro* oxidative degradation of medical-grade polyurethanes.
- Silvia Farè obtained a Post-doc research Fellowship (February 1998 – February 1999) within the project “Third generation artificial heart” and she was Research Assistant from March 1999 to March 2003, at the Bioengineering Department, Politecnico di Milano, Milan, Italy.
- From January 2005 to November 2014, she was Assistant Professor at the Bioengineering Department (2005-2012), and at the Department of Chemistry, Materials, and Chemical Engineering “G. Natta” (2013-2014), Politecnico di Milano.
- From December 2014 to March 2021, she was Associate Professor in Industrial Bioengineering (SSD ING-IND/34, SC 09-G2) at the Department of Chemistry, Materials and Chemical Engineering “G. Natta”, Politecnico di Milano.
- From April 2021, she is Full Professor in Industrial Bioengineering (SSD ING-IND/34, SC 09-G2) at the Department of Chemistry, Materials and Chemical Engineering “G. Natta”, Politecnico di Milano.
  
- From February 1993 to February 1996, she was visiting Master and PhD student at the Joint Research Centre, Institute for Advanced Materials, Ispra (VA), Italy.
- From March 1996 to September 1996 and from January 1997 to March 1997, she was visiting PhD student at the University of Laval and Quebec Biomaterials Institute, Quebec, Canada under the supervision of Gaetan Laroche and Diego Mantovani.
  
- She was Member of Scientific or Organizing Committee at National and International Congresses.
- From January 2018 she is Editor in Chief for the Journal of Applied Biomaterials and Functional Materials (Sage Ed.) former Journal of Applied Biomaterials and Biomechanics, Wichtig Ed., Milan, Italy.
- In 2017 she was elected as President of the Italian Society for Biomaterials (SIB), where she member in the Council as treasurer from 2012.
- From 2017 - 2021 she was member of the Council of the European Society for Biomaterials, as Affiliated Society Officer; from 2013 to 2017 she was one of the ESB Auditors.
- From 2021 she is member of the Council of the European Society for Biomaterials, in the role of Treasurer.

### Teaching activity

From 2001 and up to the current academic year Silvia Farè has been in charge of different courses in materials science, biomaterials and regenerative medicine fields at Master and Bachelor in Biomedical Engineering, Politecnico di Milano, Milan, Italy.

### Scientific activity

The scientific activity of Silvia Farè has been devoted to different areas related to the bioengineering applications and Research activity is carried out in collaboration with National and International Universities and Research Centers, and National and International industries.

Her main research interests: characterization of design, synthesis and characterization of synthetic and natural polymer-based biomaterial inks, bioinks, 2D and 3D structures for tissue engineering (vascular tissue, adipose tissue, skeletal and cardiac muscle, cartilage) and drug release applications; processing of natural materials via innovative techniques (electrospinning and modified electrospinning system, 3D printing/bioprinting) for scaffolding and vascularization systems; design and characterization of shape memory polymer device and scaffolds for a mini-invasive surgical approach.

Silvia Farè is author and co-authors of one hundred international and national scientific publications related to the biomaterial and regenerative medicine fields.

The H index of Silvia Farè Scientific Production calculated by Scopus in November 2021 is ranking 31.