

Silvia Farè – Curriculum Vitae

Silvia Farè, PhD

Associate Professor in Industrial Bioengineering

Department of Chemistry, Materials, and Chemical Engineering "G: Natta"

Politecnico di Milano

Piazza L. da Vinci 32, 20133 Milan, Italy

silvia.fare@polimi.it

Ph: +39-0223993389

Skype: silvia28042



Academic career and honours

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^a 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, she is Associate Professor in Industrial Bioengineering at the Chemistry, Materials and Chemical Engineering, 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.

Starting from 2006 she is local reference for the National Group of Bioengineering (GNB) at Politecnico di Milano.

From 2017 she is 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.

Teaching activity

From 2001 and up to the current academic year Silvia Farè has been in charge of different courses in 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 scaffolds for tissue engineering (vascular tissue, adipose tissue, skeletal and cardiac muscle, cartilage) and drug release applications; development of polymer matrices for biomimetic composites (bone substitutes); design and characterization of shape memory polymer device and scaffolds for a mini-invasive surgical approach; elastomers for cardio-vascular applications (vascular prosthesis, heart valves, artificial ventricles).

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 February 2021 is ranking 28.

Milan, 17 February 2021

Silvia Farè

Application letter – Silvia Farè

Since my first year of PhD, in 1995 in Porto, I always participated to ESB meetings and I have been always fascinated by the scientific level of the conferences and by the friendly atmosphere of the ESB community. In ESB meetings, I often started new collaborations with other delegates coming from different European and extra-EU countries. For this reason, I started getting involved in the Italian Society for Biomaterials (SIB), and since 1999 I start as member of the SIB Council till 2017 when I was elected as President of the Society. This appointment represented a great opportunity for me to contribute to the development of our national Society and in the last years also at European level thanks to the meetings organized during the ESB congress among the National Society Presidents. Italian research community is very active in the biomaterials field, as demonstrated by the high participation to the SIB annual congress, and to the many Italian groups involved in European project (included ERC). As last result, last year the Italian biomaterials community (represented by Gianluca Ciardelli and myself) was selected for the organization of the ESB congress in 2025. In 2017 I started my adventure in the ESB Council and this experience is increasing my enthusiasm for biomaterials science and the possible interaction with other researchers and I hope also in contributing to the organization of activities with the National Societies, as I am now in charge and Affiliated Societies Officer.

For all these reasons, I decided to run again for the ESB Council, and I really believe it would be a great experience for me to continue in contributing to the organization and management of our European society. In the last years, the ESB has been growing in number of members and activities. I would like to go on trying to share my experience and ideas, with the other members of the Council at first, to contribute to the further development of our European Society, also thanks to my experience as SIB President. I also identify the important role of our Society to support and, possibly, to guide the European Commission to include our research topics in the next European research programs. This, as well as many other actions, will surely contribute to the growth of our European Society for Biomaterials.

Milan, 17 February 2021

Silvia Farè