

## Academic career

- Silvano Focardi graduated from the University of Siena in Biological Sciences on 14 July 1970 with the highest possible grade and honours. He defended an experimental thesis at the Institute of Microbiology entitled "Analysis of the phenomena of restriction and modification of cytoplasmic control bacteriophages".
- In 1970 he won a competitive exam for the post of Assistant at the Institute of Comparative Anatomy of the University of Siena.
- During the 1975/1976 academic year, he was appointed to the temporary lectureship of Comparative Anatomy in the Faculty of Mathematical, Physical and Natural Sciences, University of Siena, from 16 January to 5 April.
- In the academic year 1977/1978 the Faculty of Mathematical, Physical and Natural Sciences, University of Siena entrusted him with the lectureship of Comparative Anatomy, a fundamental course in the Natural Sciences and Biological Sciences degree programmes. He held this position until he became an Associate Professor (17 January 1983).
- He passed the assessment for Associate Professorship in the first round of the competition of the General Biology group (158). He began his tenure on 17<sup>th</sup> January 1983 as Associate Professor of Comparative Anatomy (group 157), in response to the need to cover a fundamental course.
- From 1980-1982 and 1984-1986 he was designated representative of Associate Professors in the Scientific Commission (No. 4) for Biological Sciences for the awarding of the 60% research funds granted by the Ministry of Education, under art. 65 of Presidential Decree no. 382 of 11 July 1980.
- In the July-December semester of 1982 and 1983 he taught Zoology at the Agriculture Faculty of the National University of Somalia in Mogadishu, with responsibility for teaching, tests, exams, seminars and dissertations, and he participated in research seminars on cultivated palms and cotton arranged by the Faculty.
- In October 1986 he was Invited Professor in the laboratories of the National Institute of Environmental Health Sciences (Triangle Park, USA), where he worked on the development of analytical techniques to study the effects of pollutants in humans (studies on human milk and adipose tissue).
- In 1986 he was nominated by the Ministry for Education as a member of the examining board for the State qualifying exam for the profession of Biologist in the two sessions (April & November) of the same year.
- He covered the position of Professor of Applied Ecology in the degree course in Natural Sciences at the University of Siena in the academic years 1988-1989 and 1989-1990.
- He won a competition as Full Professor of Ecology (group E0312 in the Italian university system), and was appointed to the Faculty of Mathematical Sciences at the University of Siena as Professor of Applied Ecology on 14 June 1990. After three years, on 1 November 1993, he was confirmed as Full Professor of Applied Ecology.
- From 1 November 1990 to 30 October 1995 he was President of the Board for the Degree Programme in Biological Sciences at the University of Siena.

- He was designated President of the Scientific Commission No. 4 for Biological Sciences from 1991-1992, for the awarding of the 60% research funds granted by the Ministry of Education, under art. 65 of Presidential Decree no. 382 of 11 July 1980.
- In September 1992 he was Visiting Professor at Heime University (Matsuyama, Japan), where analytical techniques were developed for the study of an epizootic that had infected dolphins in the Mediterranean Sea.
- From 1992 to 1998 he was Head of the Department of Environmental Biology at the University of Siena.
- From 31 October 1995, following the establishment of Academic Subject Areas, he was assigned to subject area E03A - Ecology (Rector's Decree no. 927).
- Since 1995 he has been a member of the Academic Senate of the University of Siena.
- Since academic year 1997-1998 he has been covering the position of Professor of Ecology in the Faculty of Economics of the University of Siena.
- On 29 April 1999 he became Dean of the Faculty of Mathematical, Physical and Natural Sciences at the University of Siena for the term 1999-2002. In May 2002 the mandate was renewed for the term 2002-2005.
- On 18 October 2004 the Consejo Académico de la Universidad de Concepcion (Chile) awarded him the Laurea Honoris Causa in Ciencias Ambientales.
- On 30 March 2006 he was elected Rector of the University of Siena.

### **Scientific functions**

- In 1984 he was nominated as an FAO Expert to define reference methods to detect chemical pollutants in organisms.
- From December 1987 to March 1988 he participated in the 3rd Antarctic campaign as part of the Italian National Antarctic Research Programme.
- From December 1989 to February 1990 he participated in the 5th Antarctic campaign as part of the Italian National Antarctic Research Programme.
- From December 1990 to February 1991 he participated in the 6th Antarctic campaign as part of the Italian National Antarctic Research Programme, in which he coordinated the "Biology Group".
- In 1987 he was nominated Coordinator of the "Environmental Pollution" Working Group by the board of governors of the Italian Society of Ecology.
- In 1988 he was nominated Coordinator of the "Ecotoxicology" group of the Italian Society of Ecology.
- In 1991 he was nominated by the Ministry for Universities and Scientific and Technological Research as Italian representative in the CCAMLR (Commission for Conservation of Antarctic Marine Living Resources) Working Group "Ecosystem Monitoring Program". Since 1991 he has participated in the Scientific Committee meetings (held in Hobart, Tasmania, October-November) and the Working Group meetings.

- In 1992 he was nominated Coordinator of the "Ecophysiology and Ecotoxicology" Project of the Italian Antarctic Research Programme (PNRA).
- Since 1994 he has been Coordinator of the EU-ALA contract (Italy-Chile) "Use of biomarkers for evaluating the presence and effects of pentachlorophenols in the Biobio river basin".
- From 1994 to 1999 (Decree of the President of the Regional Council) he was a member of the Tuscan Regional Committee on Atmospheric Pollution, pursuant to art. 7 of Regional Law no. 33/94.
- On 4 July 1996 he was nominated by the Ministry for Universities and Scientific and Technological Research as representative for the University of Siena on the board of governors of the National Interuniversity Consortium for Marine Sciences (CoNISMa). Since this time, he has also been a member of CoNISMa's administrative board, and was confirmed in 1999.
- In July 1997 he was nominated as a member of the Municipality of Venice's Working Group to evaluate the Study on the Environmental Impact of Large Scale Work in the Lagoon ("Moses" project).
- In 1998 he was nominated as a member of the Scientific Committee of the International Centre for Research, Promotion and Development "Livorno Euromediterranea" (LEM).
- In 1998 he joined the Technical-Scientific Committee of the Grosseto branch of the University of Siena ("Polo Universitario Grossetano").
- In 1999 he joined the Scientific Committee of the Scientific Association "MareAmico".
- In 1999 he was nominated by the Ministry for the Environment as a member of the "Marine Protected Areas" Committee president's staff.
- In 2001 he joined the Technical-Scientific Committee of the "Consorzio Mediterraneo".
- In 2001-2003 he was chosen by the Ministry for the Environment as a member of the board of governors of ICRAM (Central Institute for Applied Marine Research).
- In February 2002 he became Manager of the Lagoon Ecology Laboratory at Orbetello.
- In 2002 he joined the Scientific Committee of the "Mare Vivo" Association.
- In 2003 he became a member of the Scientific Committee of the Institute for Sustainable Development (ISS).
- In 2004 he was nominated as a member of the WWF Scientific Committee.
- Since January 2005 he has been a member of the Technical Committee of the Magistracy of the Venice Water Authority.
- Since January 2005 he has been a member of the Scientific Committee of the Centro de Investigación en Ecosistemas de la Patagonia (CIEP).
- He is a member of the Italian Society of Ecology, the Italian Society of Marine Biology, of the Italian Zoological Union, the Italian Society of Oceanography and Limnology, of the "Accademia dei Fisiocritici" in Siena, of the Italian Society of Natural Sciences, of the "Centro Studi Cetacei", of the European Cetacean Society (ECS), of the Society of Environmental Toxicology and Chemistry (SETAC), and of the Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR).

## **Decorations**

- In 1993 he received the decoration of Commander of the Order of Merit of the Republic of Italy from the President Scalfaro.
- On 15 August 2002 he received the Mangia Prize 2002 from the City of Siena.
- On 13 November 2002 the Chilean President Ricardo Lagos Escobar conferred upon him the decoration of the Order of Bernardo O'Higgins (Commander).
- In March 2006 the Chilean government nominated him Honorary Consul of Chile in Italy.

## **Research**

His scientific work is documented in the list of publications and participation in conferences that accompanies this *Curriculum Vitae*. The main areas of research he has worked on over the last few years are:

- 1) Pollution in the Mediterranean.
- 2) Pollution in remote areas.
- 3) The impact of afforestation in Latin America.
- 4) The ecology of Adélie Penguins at Edmonson Point (Victoria Land, Antarctica).
- 5) Contamination from chlorinated hydrocarbons in human milk and adipose tissue.
- 6) The effects of persistent pollutants on organisms.
- 7) The development of techniques to analyse the quality of brackish and marine environments for applications related to fishing and aquaculture.
- 8) The quality of foodstuffs in terms of human health.
- 9) Port environments.