

## **CURRICULUM VITAE OF PROF. FLORA ANGELA RUTIGLIANO**

### **ACTUAL POSITION**

Flora Angela Rutigliano is full professor of Ecology at the Department of Environmental, Biological and Pharmaceutical Sciences and Technologies (DiSTABiF) of the University of Campania "Luigi Vanvitelli" since September 2019.

### **TRAINING AND ACADEMIC CAREER**

Flora Angela Rutigliano graduated cum laude in Biological Sciences in 1986 at the University of Naples Federico II.

In 1988, she obtained qualification for biologist profession, after 1-year training period at Ecology laboratory of the University of Naples Federico II. She is included in biologist register since 1988.

From 1988 to 1992, she was technical functionary at the University of Naples Federico II.

From 1992 to 1998, she was researcher of Ecology at the same University.

In 1997, she participated in training course on *Introduction to the multivariate analysis of ecological systems* at the University of Ancona (Italy), organized by the Italian Society of Botany.

In 1998, she won the Italian public competition for associate professor of Ecology.

From 1998 to August 31, 2019, she was associate professor of Ecology at the University of Campania "Luigi Vanvitelli" (ex Second University of Naples - SUN).

In 2014, she received the national scientific qualification as full professor of Ecology.

### **TEACHING ACTIVITY**

Flora Angela Rutigliano teaches *General Ecology* at degree course of Environmental Sciences (since 1998; 5-year degree course until 2001, bachelor's degree later), *Conservation of nature and its resources* at master's degree of Environmental Science and Technology (since 2009) and *Ecology and Bioethics* at bachelor's degree of Biotechnology (since 2012) at the University of Campania "Luigi Vanvitelli".

Moreover, in the same University she taught *Ecology of Mediterranean environments* (2004-2010) and *Basis of Ecology* (2009-2011) at master's degree of Environmental Science and Technology, *Ecology of internal waters* at degree course of Environmental Sciences (2001-2009; 5-year degree course until 2002, bachelor's degree later), *Applied Ecology* at 5-year degree course (1996-2000) and bachelor's degree (2006-2009) of Environmental Sciences and at 5-year degree course of Biological Sciences (1998-2000).

She has held several seminars within PhD programs of *Environment, Design and Innovation* (University of Campania "Luigi Vanvitelli"), *Applied Biology and Sciences of Environmental Resources* (University of Naples Federico II).

She has been supervisor of 55 experimental degree theses and tutor of 7 PhD theses.

She participated in several committees for University competitive examinations for the roles of associate professor, researcher or fellowship as well as for admission and final examination in PhD programs.

She held many training and scientific seminars on environmental topics at public institutions, associations and private organizations.

### **PROFESSIONAL DUTIES AND ACHIEVEMENTS**

Flora Angela Rutigliano is referent of the University of Campania "Luigi Vanvitelli" for *National Plan of Scientific Degrees (PNLS) in Natural and Environmental Sciences* (Università Politecnica delle Marche, Lead Partner).

From 2011 to 2018, she was President of the Council of Study Course associated in Environmental Sciences and Environmental Science and Technology, at the Department of Environmental, Biological and Pharmaceutical Sciences and Technologies (DiSTABiF) of the University of Campania "Luigi Vanvitelli" and, at this moment, she is Referent for Quality of these Study Courses.

Since 2016, she is member of the National Coordination of Presidents of Italian Study Course Councils in Natural and Environmental Sciences (CONAMBI).

Since 2016, she is member of the Directive Council of Italian Society of Ecology, of which she is a component since 1995.

She is member of Teaching Commission and Relations with School Commission of DiSTABiF.

Since 2013, she is member of the teaching body of the PhD program in *Environment, Design and Innovation* of the University of Campania "Luigi Vanvitelli".

From 2002 to 2012, she was member of the teaching body of the PhD program in *Applied Biology* (University of Naples Federico II as administrative seat and SUN as associated seat). She was representative of this PhD program at SUN and member of Biological Science School of the University of Naples Federico II that included this PhD program.

From 1998 to 2001, she was member of the teaching body of the PhD program in *Terrestrial Ecology (Plants and Soil)* with University of Naples Federico II as administrative seat and SUN as associated seat.

From 2009 to 2012, she was vice Director of the Department of Environmental Sciences at SUN.

From 2001 to 2009, she was member of executive committee of Department of Environmental Sciences at SUN, with functions of responsible for research laboratories.

Since 2003, she is responsible for teaching and research activities (R.A.D.O.R.) of Microbial ecology laboratory of the Department of Environmental, Biological and Pharmaceutical Sciences and Technologies (DiSTABiF) at the University of Campania "Luigi Vanvitelli" (ex SUN).

From 2006 to 2012, she was member of Evaluation Group and Stages in the Faculty of Sciences of Drug for Environment and Health (ex Faculty of Environmental Sciences) at SUN.

From 2001 to 2004, she was member of Teaching Commission in the Faculty of Environmental Sciences at SUN.

### **SCIENTIFIC ACTIVITY**

Research activity of Flora Angela Rutigliano, presented in 83 publications *in extenso* and more than 130 scientific communications at national and international congresses, made in collaboration with Italian and foreign scientists, mainly concerns the following topics:

- a) Analysis of soil quality, by physical, chemical and microbial indicators, as influenced by anthropic activity (agriculture, pasture, pollution, wildfires) and recovery treatments of cultivated soils (organic soil improver addition) or forest practices (prescribed fire applications);
- b) Study of litter decomposition and soil microbial community (as biomass, activity and diversity) in natural or anthropic environments;
- c) Study of plant responses to ecosystem anthropic alterations and management interventions;
- d) Evaluation of greenhouse gas fluxes from burned and agricultural areas.

Flora Angela Rutigliano has been coordinator or scientific responsible of unit of research projects financed by Italian Ministry of Instruction, University, and Research (MIUR), Italian National Council of Research (CNR), Campania Region of Italy and other public institutions as well as private companies. She has participated in several national and international research projects.

Flora Angela Rutigliano has been reviewer for 22 international journals and 1 national journal in ecological field.

She is Guest Editor of the Special Issue on *Relationship between Forest Biodiversity and Soil Functions* in preparation for the journal *Forests* (ISSN 1999-4907).

She was member of scientific and organizing committees of several national and international congresses.