

# Angela Bisio

Associate professor

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## *Education and training*

1998

### **PhD in Science and Technology of Medicinal Plants**

Indagini botaniche e fitochimiche su piante di interesse farmaceutico acclimatate nei Giardini Botanici Hanbury (Ventimiglia Italia)

University of Pisa - Pisa - IT

1993

### **Laurea in Chimica e Tecnologia Farmaceutiche**

Studio farmaco-botanico su Aloe arborescens Mill. cresciuta in Italia - 110/110 cum laude

University of Genova - Genova - IT

1988

### **Laurea in Farmacia**

Contributo alla classificazione di alcune specie di Aloe acclimatate nel Giardino Botanico della Mortola mediante lo studio di caratteri microscopici - 110/110 cum laude

University of Genova - Genova - IT

## *Academic experience*

2015 - ONGOING

### **Associated Professor**

University of Genova - Genova - IT

2005 - 2015

### **Researcher**

University of Genova - Genova - IT

## *Work experience*

2004 - 2005

### **Contract Researcher**

Istituto Sperimentale per la Floricoltura - San Remo (IM) - IT

Morphological and histochemical study of plant tissues from in vitro cultures of different plant species as part of the Experimental Demonstration Projects financed by the Liguria Region (Rural Development Plan 2000-2006 DGR 248/2001). Projects 'Biological cultivation of

spontaneous medicinal plants in rural areas' and 'Echinacea demonstration of the cultivation in disadvantaged areas of a plant with ornamental and medicinal characteristics'.

1998

### **Contract researcher**

Istituto Sperimentale per la Floricoltura - San Remo (IM) - IT

Morphological and histochemical study of in vitro organogenesis from somatic tissues of new hybrids of *Anemone coronaria* within the Multi-annual Program of Research and Experimentation in the floriculture field in target areas 5B Measure 4.1 Region Liguria 1996-2000. Project 'Rapid clonal multiplication of superior anemone genotypes selected for cut flower'

## ***Language skills***

### **English**

Independent

### **French**

Basic

## ***Teaching activity***

teaching activity at the Faculty of Pharmacy of the University of Genoa from the academic year 1999/2000 and until June 30th 2012 - and then at the Department of Pharmacy starting from July 1st 2012 to today.

Alternate member of the following profit exam commissions, as a subject expert:

- Pharmaceutical Botany and Pharmacognosy (C.L.S. in Pharmacy) (aa.aa. from 1999/2000 to 2004/2005);
  - Plant biology and pharmacognosy (C.L.S. in Pharmaceutical Chemistry and Technology) (aa.aa. from 1999/2000 to 2004/2005);
  - Phytochemistry (C.L. in Herbal Techniques) (aa.aa. 2003/2004, 2004/2005);
- Professor of the following official courses, as contract professor:
- Pharmaceutical botany with phytognosy (with exercises - 10 credits) (C.L. in Herbal Techniques) a.a. 2002/2003;
  - Pharmaceutical botany (part of integrated course - 5 CFU) (C.L.S. In Pharmacy) aa.aa. 2003/2004, 2004/2005;
  - Plant biology (part of an integrated course - 3.5 CFU) (C.L.S. in Pharmaceutical Chemistry and Technology) aa.aa. 2003/2004, 2004/2005.
- Professor of the following official courses, as researcher and subsequently as associate professor:
- Pharmaceutical botany (part of integrated course - 5 CFU) (C.L.S. In Pharmacy) aa.aa. from 2005/2006 to 2009/2010
  - Pharmaceutical botany (part of the integrated course - 6 CFU) (C.L.M. in Pharmacy) aa.aa. from 2010/2011 to 2013/2014
  - Pharmaceutical botany (8 CFU) (C.L.M. In Pharmacy) a.a.a.a. from 2014/2015 to today
  - Plant biology (part of integrated course - 3.5 CFU) (C.L.S. in C.T.F.) aa.aa. from 2005/2006 to 2010/2011
  - Plant biology (part of an integrated course - 5 CFU) (C.L.M. in C.T.F.) aa.aa. from 2011/2012 to 2014/2015

- Pharmacognosy (part of an integrated course - 6 CFU) (C.L.M. in C.T.F.) aa.aa. from 2011/2012 to 2014/2015)
- Plant biology (part of an integrated course - 6 CFU) (C.L.M. in Pharmacy) a.a. 2012/2013.
- Bioactive constituents of herbal drugs (part of integrated course - 5 CFU) (C.L.M. in C.T.F.) aa.aa. from 2015/2016 to today

## ***Postgraduate research and teaching activity***

### **Supervision of PhD students, residents and post-doctoral fellows**

Doctorate in SCIENCES AND TECHNOLOGIES OF CHEMISTRY AND MATERIALS, Curriculum 'PHARMACEUTICAL, FOOD AND COSMETIC SCIENCES' (University of Genoa): tutoring activity from the XXV cycle to today.

### **PhD committees membership**

She is a member of the teaching staff of the Doctoral School SCIENCES AND TECHNOLOGIES OF CHEMISTRY AND MATERIALS, Curriculum 'PHARMACEUTICAL, FOOD AND COSMETIC SCIENCES' (University of Genoa) from 2017 to today

### **Postgraduate (PhD) teaching activity**

Teacher of the course 'Main plants used in phytocosmetics and their constituents' of the Doctoral School SCIENCES AND TECHNOLOGIES OF CHEMISTRY AND MATERIALS, Curriculum 'PHARMACEUTICAL, FOOD AND COSMETIC SCIENCES' (University of Genoa) from 2012 to today.

## ***Research interests***

Valorization of Ligurian agriculture by obtaining new products from aromatic and ornamental plant cultivation: characterization of biomass, extraction and structural elucidation of new phytoconstituents, evaluation of their biological activity.

Development of agricultural processing waste for the production of pesticides and health products.

Ethnobotanical research on Ligurian plants.

## ***Grants***

**2018 - ONGOING**

### **Single project Innovazione nelle Alpi del Mediterraneo - ALPIMED INNOV n 4073**

Interreg V-A Francia-Italia (ALCOTRA) (2014 - 2020) PITER - IT 120000.00 - Pricipal investigator

**2018 - ONGOING**

### **CLIP Projet simple Circuito n 4071**

Interreg V-A Francia-Italia (ALCOTRA) (2014 - 2020) PITEM - IT  
100000.00 - Pricipal investigator

2017

### **Aiuti per la costituzione e loperatività dei Gruppi Operativi del PEI - Soggetto attuatore CeRSAA Domanda daiuto n. 54250278592. Titolo Progetto FILIERA PRODUTTIVA DA ESPLORE PER UN FLOROVIVAISMO SOSTENIBILE E MULTIFUNZIONALE MULTIFLORA**

Programma Regionale di Sviluppo Rurale 2014-2020 LIGURIA Misura 16.01  
Prima fase settore agricolo - IT  
6000.00 - Pricipal investigator

2017 - 2020

### **I. INNOVAZIONE APPLICATA. Progetto ANTEA - Attività innovative per lo sviluppo della filiera transfrontaliera del fiore edule n11039.**

INTERREG V-A Francia-Italia (ALCOTRA) (2014 - 2020) Asse prioritario-Priorità di investimento-Obiettivo specifico 1-2-1 - IT  
296700.00 - Pricipal investigator

2011 - 2014

### **Sustainable culture of marine microorganisms algae and/or invertebrates for high added value products - Call FP7-KBBE-2010-4 Collaborative project- 'BAMMBO**

EU SEVENTH FRAMEWORK PROGRAMME - THEME KBBE.2010.3.2-01 - IT  
Participant

2010 - 2013

### **Progetto semplice 'Strategia d'impresa in settori di nicchia per l'economia agroindustriale del Mediterraneo PYRGI'**

EU - Programma di Cooperazione Transfrontaliera Programma Operativo Italia Francia MARITTIMO - IT  
Participant

2010 - 2012

### **Progetto N 68 'AROMA - Le piante aromatiche tra ambiente ed attività produttive'**

EU - INTERREG IIIA 2010-2012 - ALCOTRA (Obiettivo Cooperazione territoriale europea Italia-Francia (Alpi) 2007-2013) - IT  
Participant

2007 - 2008

### **Progetto N 231 'SVILUPPO A SCOPO COMMERCIALE DELLE POTENZIALITA' DEL GENERE SALVIA NUOVI PRODOTTI'**

INTERREG IIIA 2000-2006 - ALCOTRA - IT

Participant

2004 - 2006

**Progetto N 74 'DEVELOPMENT COMMERCIALE DES  
POTENTIALITÉE DU GENRE SALVIA (SAUGE)'**

EU - INTERREG IIIA 2000-2006 ALCOTRA

Participant

2001 - 2003

**'PLANT (Plants in European Masterpieces)'**

EU - Culture 2000 - IT

Participant

1998

**Studio di fattibilità per la sperimentazione di un sistema  
per il riconoscimento rapido di batteri viventi in acqua**

Parco Tecnologico e Scientifico della Liguria - IT

Participant