

Sebastiano Foddai

Curriculum Vitae

Place Roma
Date 08/08/2022

Part I – General Information

Full Name	Sebastiano Foddai
Citizenship	Italiana
Spoken Languages	Italiano – Inglese

Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	1985	Sapienza University of Rome, Faculty of S.M.F.N.- Plant Biology Department	Experimental degree thesis aimed at studying the micotoxins production physiology Graduate in Biology
Post-graduate studies			
PhD			
Specialty			
Pre-doctorate training			
Licensure 01	1986	Sapienza University of Rome, Faculty of S.M.F.N.- Plant Biology Department	post-graduate internship for obtaining the qualification to practice biologist profession
Licensure 02			

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
01/11/2001	today	University Sapienza-Roma – Department of Environmental Biology	Researcher (Aggregate Professor)– Pharmaceutical Biology(BIO/15)
01/10/1989	01/11/2001	University Sapienza-Roma – Department of Environmental Biology	Graduate Laboratory Technician

01/06/1988	30/09/1989	University Sapienza-Roma – Department of Environmental Biology	Scholarship holder (collaboration with soc. ABOCA): Study of the analytical techniques, extraction and determination of secondary metabolites in plants and fungi.
01/10/1980	01/12/1985	University Sapienza-Roma – Department of Environmental Biology	Experimental degree thesis aimed at studying the micotoxins production physiology
			Graduate in Biology

IIIB – Other Appointments

Start	End	Institution	Position

Part IV – Teaching experience

Year	Institution	Lecture/Course
From A.A. 2002/3 to 2008/9	Faculty of Pharmacy - Sapienza Roma three-year university degree in Herbal Sciences	Biologia Vegetale (Plant Biology)
From A.A. 2009/10 to 2012/13	Faculty of Pharmacy - Sapienza Roma Master's degree in CTF (CHEMISTRY AND PHARMACEUTICAL TECHNOLOGY)	Biologia Vegetale e Animale (Plant and Animal Biology)
From A.A. 2010/11 to 2018/19	Faculty of Pharmacy - Sapienza Roma Master's degree in Pharmacy	Biologia Vegetale e Animale (Plant and Animal Biology)
From A.A. 2018/19 to 2021/22	Faculty of Pharmacy - Sapienza Roma Master's degree in Pharmacy	Biologia Farmaceutica (Pharmaceutical Biology)
From A.A. 2009/10 to	Faculty of Pharmacy - Sapienza Roma Three-year university degree in - Scienze Farmaceutiche Applicate ()SFA (Applied Pharmaceutical	Biologia Animale -Biologia vegetale (Animal biology- Plant Biology)

2017/18	Sciences)	
From		
2019/20	Faculty of Pharmacy - Sapienza Roma	Biologia (Biology)
to		
2021/22	Three-year university degree in - Scienze Farmaceutiche Applicate (SFA (Applied Pharmaceutical Sciences)	

Part V - Society memberships, Awards and Honors

Year	Title

Part VI - Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program	Grant value
2002	Plants used in traditional Indian medicine.	University projects (2 years) Faculty of Pharmacy - Sapienza Roma - Grant n° C26F021249 (PI)	€ 6.611
2004	Analysis of neoclerodanes in the <i>Linaria</i> genus	University projects (2 years) Faculty of Pharmacy - Sapienza Roma - Grant n° C26F045052(PI)	€ 6.611
2006	Study of metabolites from Sardinian plant endemisms	University projects (2 years) Faculty of Pharmacy - Federated University of Public and Health Policy Sciences - Grant n° C26F068WP5 (PI)	€ 9.500
2008	Study of Medicinal Plants of Uruguay	University projects (1 year) Faculty of Pharmacy - Federated University of Public and Health Policy Sciences - Grant n° C26F08SEPH (PI)	9.500
2012	Analysis of different cocoa cultivars	Agreement with Soremartec Italia S.R.L. (PI)	€ 40.000
2017	Phytochemical discrimination between <i>Cynara scolimus</i> L. and <i>Cynara cardunculus</i> L.	Agreement with Meda Pharma S.p.A (PI)	€ 5000

Part VII – Research Activities

Keywords	Brief Description
Secondary metabolites	<p>Initially the study was mainly directed towards the plants of the South American flora and the Sardinian endemic flora. Dr. Foddai has developed original analysis methods, which have allowed the analysis of plant extracts, both of endemic species, (in which the study by HPLC is valuable given the small amount of material available), and of secondary metabolites extracts from cell cultures obtained from plants from different genera such as Orobanchaceae, Vinca and Centranthus. At the same time, he worked on developing preparative separation methods for the isolation of active ingredients from various plants both of our flora and of other countries, focusing in particular on the genus Viburnum and plants of the Papaveraceae family, belonging to the genus Glaucium.</p> <p>It also deals with the study of secondary metabolite patterns from plant species, contributing to the chemosystematic determination of some species, and identification of metabolites as markers as a further aid for the classification of some species and genera: Wollemia, Agathis and Ajuga.</p> <p>Currently his interest is also directed to issues, such as the study of food supplements, with particular interest in the quality control of the same and foods with particular legislation such as "Novel foods", as well as the study of the effects of physical or chemical stress on production of secondary metabolites, especially in urbanized plants.</p>
Chemotaxonomy	
Plant biodiversity	
Active principles bioactivity	
stress in secondary metabolites production	

Part VIII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	51	WOS	1985	2022
Papers [national]				
Books [scientific]				
Books [teaching]	1	CINECA	1997	

Total Impact	87,48
Total Citations	444
Average Citations per Product	8,71
Hirsch (H) index	13
Normalized H index*	0,62

*H index divided by the academic seniority.

Part IX– Selected Publications

List of the publications selected for the evaluation. For each publication report title, authors, reference data, journal IF (if applicable), citations, press/media release (if any).

- A new bicyclic monoterpene glucoside and a new biflavone from the male reproduction organs of *Wollemia nobilis*** (8 citazioni; IF 2,527)
Venditti, A (Venditti, Alessandro) [1] ; Frezza, C (Frezza, Claudio) [2] ; Rossi, G (Rossi, Giacomo) [1] ; Serafini, I (Serafini, Ilaria) [1] ; Ciccola, A (Ciccola, Alessandro) [1] ; Sciubba, F (Sciubba, Fabio) [1] ; Foddai, S (Foddai, Sebastian) [2] ; Tomassini, L

(Tomassini, Lamberto) [2] ; Bianco, A (Bianco, Armandodoriano) [1] ; Serafini, M (Serafini, Mauro) [2]
View Web of Science ResearcherID and ORCID (provided by Clarivate) FITOTERAPIA
Volume133
Page62-69
DOI10.1016/j.fitote.2018.12.012
PublishedMAR 2019
Indexed2019-03-28
Document TypeArticle

2. **A new diterpene and other compounds from the unripe female cones of *Wollemia nobilis*** (5 citazioni; IF 2,16)

Venditti, A (Venditti, Alessandro) [1] ; Frezza, C (Frezza, Claudio) [2] ; Rossi, G (Rossi, Giacomo) [1] ; Sciubba, F (Sciubba, Fabio) [1] ; Ornano, L (Ornano, Luigi) [1] ; De Vita, D (De Vita, Daniela) [2] ; Toniolo, C (Toniolo, Chiara) [2] ; Tomassini, L (Tomassini, Lamberto) [2] ; Foddai, S (Foddai, Sebastiano) [2] ; Nicoletti, M (Nicoletti, Marcello) [2] ; Di Cocco, ME (Di Cocco, Maria Enrica) [1] ; Bianco, A (Bianco, Armandodoriano) [1] ; Serafini, M (Serafini, Mauro) [2]
View Web of Science ResearcherID and ORCID (provided by Clarivate) NATURAL
PRODUCT RESEARCH
Volume35
Issue21
Page3839-3849
DOI10.1080/14786419.2020.1741585
PublishedNOV 2 2021
Early AccessMAR 2020
Indexed2020-04-14
Document TypeArticle

3. **A rare bis-rhamnopyranosyl-aromadendrin derivative and other flavonoids from the flowers of *Genista cilentina* Vals. an endemic species of Southern Italy** (7 citazioni; IF 4.762)

Venditti, A (Venditti, Alessandro) [1] , [2] ; Frezza, C (Frezza, Claudio) [2] ; Foddai, S (Foddai, Sebastiano) [2] ; Serafini, M (Serafini, Mauro) [2] ; Bianco, A (Bianco, Armandodoriano) [1]
View Web of Science ResearcherID and ORCID (provided by Clarivate) ARABIAN
JOURNAL OF CHEMISTRY
Volume12
Issue8
Page3921-3926
DOI10.1016/j.arabjc.2016.02.012
PublishedDEC 2019
Indexed2020-01-14
Document TypeArticle

4. **A syn-ent-labdadiene derivative with a rare spiro-beta-lactone function from the male cones of *Wollemia nobilis*** (9 citazioni; IF 3,044)

Venditti, A (Venditti, Alessandro) [1] ; Frezza, C (Frezza, Claudio) [2] ; Vincenti, F (Vincenti, Flaminia) [1] ; Brodella, A (Brodella, Antonia) [1] ; Sciubba, F (Sciubba, Fabio) [1] ; Montesano, C (Montesano, Camilla) [1] ; Franceschin, M (Franceschin, Marco) [1] ; Sergi, M (Sergi, Manuel) [3] ; Foddai, S (Foddai, Sebastiano) [2] ; Di Cocco, ME (Di Cocco, Maria Enrica) [1] ; ...More

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PHYTOCHEMISTRY

Volume158

Page91-95

DOI10.1016/j.phytochem.2018.11.012

PublishedFEB 2019

Indexed2019-02-05

Document TypeArticle

5. **HPLC and NMR analysis of the phenyl-ethanoid glycosides pattern of *Verbascum thapsus* L. cultivated in the Etnean area** (9 citazioni; IF 2,158)

Frezza, C (Frezza, Claudio) [1] ; Bianco, A (Bianco, Armandodoriano) [2] ; Serafini, M (Serafini, Mauro) [1] ; Foddai, S (Foddai, Sebastiano) [1] ; Salustri, M (Salustri, Manuel) [1] ; Reverberi, M (Reverberi, Massimo) [1] ; Gelardi, L (Gelardi, Luca) [3] ; Bonina, A (Bonina, Andrea) [3] ; Bonina, FP (Bonina, Francesco Paolo) [3]

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NATURAL PRODUCT RESEARCH

Volume33

Issue9

Page1310-1316

DOI10.1080/14786419.2018.1473398

PublishedMAY 3 2019

Indexed2019-06-04

Document TypeArticle

6. **Iridoid glycosides and polyphenolic compounds from *Teucrium chamaedrys* L.** (28 citazioni; IF 1,999)

Frezza, C (Frezza, Claudio) [1] ; Venditti, A (Venditti, Alessandro) [2] ; Matrone, G (Matrone, Giorgia) [2] ; Serafini, I (Serafini, Ilaria) [2] ; Foddai, S (Foddai, Sebastiano) [1] ; Bianco, A (Bianco, Armandodoriano) [2] ; Serafini, M (Serafini, Mauro) [1]

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NATURAL PRODUCT RESEARCH

Volume32

Issue13

Page1583-1589

DOI10.1080/14786419.2017.1392948

Published2018

Indexed2018-12-28

Document TypeArticle

7. **nor-lignans -occurrence in plants and biological activities- a review** (8 citazioni; IF 4,412)

Frezza, C (Frezza, Claudio) [1] ; Venditti, A (Venditti, Alessandro) [2] ; Toniolo, C (Toniolo, Chiara) [1] ; De Vita, D (De Vita, Daniela) [1] ; Franceschin, M (Franceschin,

Marco) [2] ; Ventrone, A (Ventrone, Antonio) [1] ; Tomassini, L (Tomassini, Lamberto) [1] ; Foddai, S (Foddai, Sebastiano) [1] ; Guiso, M (Guiso, Marcella) [2] ; Nicoletti, M (Nicoletti, Marcello) [1] ; Serafini, M (Serafini, Mauro) [1] ; Bianco, A (Bianco, Armandodoriano) [2]

View Web of Science ResearcherID and ORCID (provided by Clarivate) MOLECULES
Volume25

Issue1

Article Number197

DOI10.3390/molecules25010197

PublishedJAN 2020

Indexed2020-03-03

Document TypeReview

8. **Occurrence of flavonoids in different Lamiaceae** (5 citazioni; IF 1.462)

Frezza, C (Frezza, Claudio) [1] ; Venditti, A (Venditti, Alessandro) [2] ; Giuliani, C (Giuliani, Claudia) [3] ; Foddai, S (Foddai, Sebastiano) [1] ; Cianfaglione, K (Cianfaglione, Kevin) [4] ; Maggi, F (Maggi, Filippo) [5] ; Fico, G (Fico, Gelsomina) [3] ; Guiso, M (Guiso, Marcella) [2] ; Nicoletti, M (Nicoletti, Marcello) [1] ; Bianco, A (Bianco, Armandodoriano) [2] ; Serafini M. (Serafini, Mauro) [1]

View Web of Science ResearcherID and ORCID (provided by Clarivate) BIOCHEMICAL
SYSTEMATICS AND ECOLOGY

Volume96

Article Number104247

DOI10.1016/j.bse.2021.104247

PublishedJUN 2021

9. **Pedicularis L. Genus Systematics, Botany, Phytochemistry, Chemotaxonomy, Ethnopharmacology, and Other** (11 citazioni; IF 4,827)

Frezza, C (Frezza, Claudio) [1] ; Venditti, A (Venditti, Alessandro) [2] ; Toniolo, C (Toniolo, Chiara) [1] ; De Vita, D (De Vita, Daniela) [1] ; Serafini, I (Serafini, Ilaria) [2] ; Ciccola, A (Ciccola, Alessandro) [2] ; Franceschin, M (Franceschin, Marco) [2] ; Ventrone, A (Ventrone, Antonio) [1] ; Tomassini, L (Tomassini, Lamberto) [1] ; Foddai, S (Foddai, Sebastiano) [1] ; Guiso, M (Guiso, Marcella) [2] ; Nicoletti, M (Nicoletti, Marcello) [1] ; Bianco, A (Bianco, Armandodoriano) [2] ; Serafini, M (Serafini, Mauro) [1]

View Web of Science ResearcherID and ORCID (provided by Clarivate) PLANTS-BASEL
Volume8

Issue9

Article Number306

DOI10.3390/plants8090306

PublishedSEP 2019

Indexed2019-10-16

Document TypeReview

10. **Phytochemical analysis on the aerial parts of *Teucrium capitatum* L. with aspects of chemosystematics and ethnobotany** (0 citazioni; IF 2,49)

Frezza, C (Frezza, Claudio) [1] ; Bozzato, G (Bozzato, Gianluca) [1] ; Sciubba, F (Sciubba, Fabio) [1] , [2] ; Serafini, I (Serafini, Ilaria) [3] ; Franceschin, M (Franceschin, Marco) [3] ;

Curini, R (Curini, Roberta) [3] ; Cianfaglione, K (Cianfaglione, Kevin) [4] ; Venditti, A (Venditti, Alessandro) [3] ; Bianco, A (Bianco, Armandodoriano) [3] ; Serafini, M (Serafini, Mauro) [1] ; Foddai, S (Foddai, Sebastiano) [1]

View Web of Science ResearcherID and ORCID (provided by Clarivate) NATURAL PRODUCT RESEARCH

DOI10.1080/14786419.2022.2081967

Early AccessMAY 2022

Indexed2022-06-11

Document TypeArticle; Early Access

11. **Phytochemistry, Chemotaxonomy, and Biological Activities of the Araucariaceae**

Family—A Review (10 citazioni; IF 4,827)

Frezza, C (Frezza, Claudio) [1] ; Venditti, A (Venditti, Alessandro) [2] ; De Vita, D (De Vita, Daniela) [1] ; Toniolo, C (Toniolo, Chiara) [1] ; Franceschin, M (Franceschin, Marco) [2] ; Ventrone, A (Ventrone, Antonio) [1] ; Tomassini, L (Tomassini, Lamberto) [1] ;

Foddai, S (Foddai, Sebastiano) [1] ; Guiso, M (Guiso, Marcella) [2] ; Nicoletti, M (Nicoletti, Marcello) [1] ; Bianco, A (Bianco, Armandodoriano) [2] ; Serafini, M (Serafini, Mauro) [1]

View Web of Science ResearcherID and ORCID (provided by Clarivate) PLANTS-BASEL Volume9

Issue7

Article Number888

DOI10.3390/plants9070888

PublishedJUL 2020

Indexed2020-08-12

Document TypeReview

12. **Preliminary study on the phytochemical evolution of different Lamiaceae species based on iridoids** (6 citazioni; IF 1,090)

Frezza, C (Frezza, Claudio) [1] ; Venditti, A (Venditti, Alessandro) [2] ; Giuliani, C (Giuliani, Claudia) [3] ; Foddai, S (Foddai, Sebastiano) [1] ; Maggi, F (Maggi, Filippo) [4] ; Fico, G (Fico, Gelsomina) [3] ; Bianco, A (Bianco, Armandodoriano) [2] ; Serafini, M (Serafini, Mauro) [1]

View Web of Science ResearcherID and ORCID (provided by Clarivate) BIOCHEMICAL SYSTEMATICS AND ECOLOGY

Volume82

Page44-51

DOI10.1016/j.bse.2018.12.003

PublishedFEB 2019

Indexed2019-02-13

Document TypeArticle

Roma, 08/08/2022

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ADDITIONAL INFORMATIONS

Other academic experiences

Member of the Scientific Council of the II level Master in Phytotherapy, where is professor of Plant Biology;

Professor of Pharmacognosy for the II level Master in Natural Organic Substances.

From 2002 dr Foddai has been thesis supervisor for over 90 degree theses, both for the master's and three-year degree courses for the Faculty of Pharmacy and Medicine

He was also tutor for 8 final reports of the Master in Natural Substances.

Actually is a component of the WP5 group of Spoke 5 – Biodiversità Urbana – Urban Biodiversity-PNRR

Collaborations

Dr. Foddai collaborates with his own research group formed by profs M. Serafini and M. Nicoletti, by dr. L. Tomassini since 1990; in the last 10 years the group has grown, enriching itself with the inclusion of Dr. D. De Vita and C. Toniolo, as well as Dr. C. Frezza. The target of the group has always been the study of secondary metabolites from plant organisms, but also from fungal ones. This study has been articulated with biological tests and also dealing with recent legislative initiatives on new interests, such as Novel Food, Currently it is starting to be interested in the possible interference of stress of various types on the production of secondary metabolites in plants. He collaborated with the University of Cagliari (Prof. Ballero, currently with Prof Maxia), and also with extra-university institutes such as the Istituto Superiore di Sanità (Dr. Palazzino, Cotta)

He participated with his own research group in collaboration with the Universidad Tecnica Federico Santa Maria of Valparaiso (Chile) on the study of Chilean endemic plants, coming into contact with Dr. Marisa Piovano, and with prof. Juan Garbarino. (from 01/01/1990 to 01/01/2012)

Dr. Foddai with his own working group, in the context of the studies carried out on the genus *Viburnum*, collaborated with dr. JIANJUN GAO, fellow of "The State University of New York at Stony Brook".(from 01/01/2002 to 01/01/2004)

Contributions to conference proceedings

- 1) XV SIF Congress - ICEMAP 2017 - Pisa - 28-30 Giugno 2017: "First comprehensive phytochemical analysis of *Kickxia spuria* (L.) Dumort."- FREZZA, Claudio; VENDITTI, Alessandro; CICCOLA, Alessandro; PITORRI, M; SCIUBBA, Fabio; FODDAI, Sebastiano; BIANCO, Armandodoriano; SERAFINI, Mauro;
- 2) Settimo convegno giovani chimici – Roma 14-15 giugno 2016 :” Fitochimica e chemotassonomia di un fossile vivente: *Wollemia nobilis* W.G. Jones, K.D.Hill & J.M.Allen” - BIANCO, Armandodoriano; FODDAI, Sebastiano; FREZZA, CLAUDIO; Ruggeri, Michele; SCIUBBA, FABIO; SERAFINI, Mauro; VENDITTI, ALESSANDRO;
- 3) International PSE Symposium - Francavilla a Mare: 17-19 Settembre 2017- “Secondary metabolites variability in three species of *Ajuga* genus” - VENDITTI, Alessandro; FREZZA, Claudio; Maggi, F; Cianfaglione, K; Di Cecco, M; Ciaschetti, G; FODDAI, Sebastiano; NICOLETTI, Marcello; SERAFINI, Mauro; BIANCO, Armandodoriano;

- 4) 9th Joint Meeting of AFERP, ASP, GA, JSP, PSE and SIF. PLANTA MEDICA, vol. 82, p. 1-2, Thieme, ISSN: 1439-0221, Copenhagen, DENMARK, doi: 10.1055/s-0036-1596869 (2016)–“ Phytochemical analysis and ethno-pharmacological importance of the fruits of *Hypericum androsaemum* L.” - FREZZA, Claudio, VENDITTI, Alessandro, Maggi, F, Caprioli, G, Iannarelli, R, FODDAI, Sebastiano, SERAFINI, Mauro, BIANCO, Armandodoriano;

Other scientific achievements

Member of Organizing Committees of Congresses:

- Neem: 21st century multipurpose plant - Rome 21/6/2013 - organizing committee
- SIF 2011 Congress -Rome, 30 / 6-2 / 7-2011 organizing committee

Member of the Editorial Board of the scientific journals:

“ Natural Product Research”

“Plant Biosystems - An International Journal Dealing with all Aspects of Plant Biology”

Peer reviewer for international journal:

Plants

Roma, 08/08/2022

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