

Dichiarazione sostitutiva di certificazioni
(Art. 46, D.P.R. 28 dicembre 2000 n. 445)
Dichiarazione sostitutiva dell'atto di notorietà
(Art. 47, D.P.R. 28 dicembre 2000 n. 445)

Educational, Scientific, and Professional Curriculum

Education and Training

Date	Title/Certification	Institution
25/03/2015	Bachelor's Degree in Biology	University of Cagliari
26/07/2017	Master's Degree in Cellular and Molecular Biology, Faculty of Biology and Pharmacy, with a grade of 110/110 with honors	University of Cagliari
22/04/2021	Awarded with honors the Title of Doctor of Philosophy in Life, Environment and Drug Sciences, Biomedical Curriculum	University of Cagliari
13/10/2020	Registration with the National Order of Biologists	National Order of Biologists - Rome
20/08/2018	Obtained English Language Certification (ESOL) - University of Cambridge - Level B2	University of Cambridge - Anglo American Centre
11/2017	State Examination for Professional Qualification in Biology	University of Cagliari

Professional Experience

Period	Institution	Type of Role
From 2021- on going	University of Cagliari	Contract Lecturer CHEMISTRY AND BIOCHEMISTRY Course in "Health Assistance" and "Prevention Techniques in the Environment and Workplace", Faculty of Medicine and Surgery – SSD BIO/10
From 2022 - on going	University of Cagliari	Contract Lecturer BIOCHEMISTRY Course in "Biomedical Engineering", Faculty of Engineering and Architecture – SSD BIO/10

From 2017 – on going	University of Cagliari	University Tutor – SSD BIO/10
2021 - 2024	WAUniversity - Almy Test - Sassari	Biology Teacher

Publications and other scientific activities

Publications

1. S. Masuri, B. Era, F. Pintus, S. Floris , F. Meloni, F. Pettinau, E. Podda, M. G. Cabiddu, A. Fais, T. Pivetta. Design, Synthesis, Structural Insights, Tyrosinase Inhibition, and Sun Protection Factor of New Thiosemicarbazone Derivatives. <i>Molecules</i> , 2024, 29(23), 5629.
2. S. Floris , F. Pintus, A. Fais, B. Era, N. Raho, C. Siguri, G. Orrù, S. Fais, C.I.G. Tuberoso, S. Olla A, Di Petrillo. Biological Potential of <i>Asphodelus microcarpus</i> Extracts: α -Glucosidase and Antibiofilm Activities In Vitro. <i>Molecules</i> , 2024, 29(21), 5063
3. R. Meleddu, A. Fais, B. Era, S. Floris , S. Distinto, A. Lupia, F. Cottiglia, A. Onali, E. Sanna, D. Secci, G. Atzeni, L. Demuru, P. Caboni, D. Valenti, E. Maccioni. Exploring the 1-(4-Nitrophenyl)-3-arylprop-2-en-1-one Scaffold for the Selective Inhibition of Monoamine Oxidase B. <i>ACS Medicinal Chemistry Letters</i> , 2024, 15(10), pp. 1685–1691
4. G. Pitasi, A. Brancale, S. Floris , A. Fais, R. Gitto, L. De Luca. Computational Approach to Identifying New Chemical Entities as Elastase Inhibitors with Potential Antiaging Effects. <i>International Journal of Molecular Sciences</i> , 2024, 25(20), 11174
5. S. Pani, C. Caddeo, L. Dazzi, G. Talani, E. Sanna, A. Marengo, P. Rubiolo, R. Pons, A. Dupont, S. Floris , C. Sanna, F. Pintus. In vivo antihyperglycemic effect of <i>Ptilostemon casabonae</i> (L.) Greuter leaf extract and its liposomal formulation. <i>Journal of Drug Delivery Science and Technology</i> , 2024, 100, 106078
6. A. Di Petrillo, C. Siguri, Chiara, G. L. Delogu, A. Fais, B. Era, S. Floris , F. Pintus, A. Kumar, M. C. Fantini, S. Olla. Exploring <i>Asphodelus microcarpus</i> as a source of xanthine oxidase inhibitors: Insights from in silico and in vitro studies. <i>Chemico-Biological Interactions</i> , 2024, 397, 111087
7. A. Di Petrillo, F. Pintus, S. Floris , C. I. G. Tuberoso, A. B. A. B. S. de Almeida, T. B. S. Giorno. Effects of <i>Euphorbia characias</i> subsp. <i>characias</i> flower extracts on nociceptive pain and acute inflammatory models in mice. <i>Fitoterapia</i> , 2024, 176, 106002

8. **S. Floris**, A. Di Petrillo, F. Pintus, G. L. Delogu. *Pistacia lentiscus*: Phytochemistry and Antidiabetic Properties. *Nutrients*, 2024, 16(11)
9. S. Pani, C. Caddeo, C. Sanna, F. Pintus, **S. Floris**, R. Pons, A. Dupont, C. I. G. Tuberoso. A Nano-Based Approach to Deliver *Satureja thymbra* Essential Oil to the Skin: Formulation and Characterization. *Molecules*, 2024, 29(5), 1041
10. A. Fais, F. Pintus, B. Era, **S. Floris**, A. Kumar, D. Sarmadhikari, V. Sogos, E. Urarte, S. Asthana, M. J. Matos. Design of 3-Phenylcoumarins and 3-Thienylcoumarins as Potent Xanthine Oxidase Inhibitors: Synthesis, Biological Evaluation, and Docking Studies. *ChemMedChem.*, 2023, 18(21), e202300400.
11. C. Caddeo, C. I. G. Tuberoso, **S. Floris**, V. Masala, C. Sanna, F. Pintus. A Nanotechnological Approach to Exploit and Enhance the Bioactivity of an Extract from *Onopordum illyricum* L. Leaves. *Plants*, 2023, 12(7), 1453.
12. A. Kumar, J. Barnawal, A. Di Petrillo, **S. Floris**, B. Barse, A. Fais. Phytochemicals in structure-based drug discovery. *Recent Frontiers of Phytochemicals*, 2023, pp. 569–582.
13. C. Sanna, A. Fais, B. Era, G. L. Delogu, E. Sanna, L. Dazzi, A. Rosa, A. Marengo, P. Rubiolo, A. De Agostini, **S. Floris**, F. Pintus. Promising inhibition of diabetes-related enzymes and antioxidant properties of *Ptilostemon casabonae* leaves extract. *J Enzyme Inhib Med Chem*. 2023 Dec;38(1):2274798.
14. S. Mirabile, M. P. Germanò, A. Fais, L. Lombardo, F. Ricci, **S. Floris**, A. Rapisarda, R. Gitto, L. De Luca. Design, Synthesis and in vitro evaluation of 4-hydroxyphenyl-piperazine-based compounds targeting tyrosinase. *ChemMedChem*, 2022, 17(21), e202200305.
15. F. Pintus, **S. Floris**, A. Fais, B. Era, A. Kumar, G. Gatto, E. Uriarte, M. J. Matos. Hydroxy-3-Phenylcoumarins as Multitarget Compounds for Skin Aging Diseases: Synthesis, Molecular Docking and Tyrosinase, Elastase, Collagenase and Hyaluronidase Inhibition, and Sun Protection Factor. *Molecules*, 2022, 27(20), 6914.
16. F. Pintus, **S. Floris**, A. Fais, B. Era, C. Porcedda, C. I. G. Tuberoso. C. Caddeo. *Euphorbia characias* extract: inhibition of skin aging-related enzymes and nanoformulation. *Plants*, 2022, 11(14), 1849.
17. A. Fais, G. L. Delogu, **S. Floris**, B. Era, R. Medda, F. Pintus. *Euphorbia characias*: Phytochemistry and Biological Activities. *Plants*, 2021, 10(7), 1468.
18. B. Era[#], **S. Floris**[#], V. Sogos, C. Porcedda, A. Piras, R. Medda, A. Fais, F. Pintus. Anti-aging potential of extracts from *Washingtonia filifera* seeds. [#]Co-authorship. *Plants*, 2021, 10(1), pp. 1–12, 151.
19. **S. Floris**, A. Fais, R. Medda, F. Pintus, A. Piras, A. Kumar, P. M. Kuś, G. T. Westermark, B. Era. *Washingtonia filifera* seed extracts inhibit the islet amyloid polypeptide fibrils formations and α -amylase and α -glucosidase activity. *J. Enzyme Inhib. Med. Chem*. 2021. Vol. 36, No. 1, 517–524.
20. G. L. Delogu, B. Era, **S. Floris**, R. Medda, V. Sogos, F. Pintus, G. Gatto, A. Kumar, G.T. Westermark, A. Fais. A new biological prospective for the 2-phenylbenzofurans as inhibitors of α -glucosidase and of the islet amyloid polypeptide formation. *Int. J. Biol. Macromol*. Vol. 169, 1 February 2021, Pages 428-435.
21. S. Vittorio, L. Ielo, S. Mirabile, R. Gitto, A. Fais, **S. Floris**, A. Rapisarda, M. P. Germanò, L. De Luca. 4-(Fluorobenzyl)piperazine-Containing Derivatives as Efficient Inhibitors of Mushroom Tyrosinase. *Chem. Med. Chem*. 2020, 15, 1757–1764.
22. L. Ielo, B. Deri, M. P. Germanò, S. Vittorio, S. Mirabile, R. Gitto, A. Rapisarda, S. Ronsisvalle, **S. Floris**, Y. Pazy, A. Fais, A. Fishman, De Luca. Exploiting the 1-(4-fluorobenzyl)piperazine fragment for the development

of novel tyrosinase inhibitors as anti-melanogenic agents: design, synthesis, structural insights and biological profile. Eur J Med Chem. 2019 Sep 15;178:380-389.

23. **S. Floris**, A. Fais, A. Rosa, A. Piras, H. Marzouki, R. Medda, A. M. González-Paramás, A. Kumar, C. Santos-Buelga, B. Era. Phytochemical composition, cholinesterase and xanthine oxidase inhibitory properties of seed extracts from *Washingtonia filifera* palm fruit. RSC Adv., 2019, 9, 21278 – 21287.

24. A. Fais, B. Era, A. Di Petrillo, **S. Floris**, D. Piano, P. Montoro, C. I. G. Tuberoso, R. Medda, F. Pintus. Selected enzyme inhibitory effects of *Euphorbia characias* extracts Res. Int. 2018, 1–11, 2018.

Conferences

1. C. Sanna, C. Caddeo, C. I. G. Tuberoso, **S. Floris**, V. Masala, F. Pintus. The use of nanovesicles to enhance the antioxidant activity of an extract of *Onopordum illyricum* leaves. 1° Congresso intersocietà sui prodotti vegetali per la salute: Il ruolo delle piante medicinali nella medicina moderna, Padova, 15-17 June 2023

2. **S. Floris**, F. Pintus, A. Fais, B. Era, E. Uriarte, M. J. Matos. A selected series of hydroxy-3-arylcoumarins as multitarget compounds for skin aging diseases. The 8th International Electronic Conference on Medicinal Chemistry (ECMC 2022).

3. B. Era, A. Rosa, A. Piras, N. Bekhti, S. Porcedda, F. Pintus, A. Fais, **S. Floris**. Chemical composition and biological activities from *Crataegus monogyna*. XVII Congress of the Italian Society of Phytochemistry jointly with 3rd International Congress on Edible, Medicinal and Aromatic Plants (ICEMAP 2022).

4. **S. Floris**, F. Pintus, B. Era, A. Fais, E. Uriarte, F. Borges, M. J. Matos. Improvement of synthetic 3-arylcoumarins as skin aging-related enzymes inhibitors. The 7th International Electronic Conference on Medicinal Chemistry (ECMC 2021).

5. B. Era, **S. Floris**, S. Porcedda, H. Marzouki, F. Pintus, R. Medda, A. Piras, A. Fais. Inhibitory effect of *Washingtonia filifera* extracts on cholinesterase activities. XVI Congress of the Italian Society of Phytochemistry jointly with 2nd International Congress on Edible, Medicinal and Aromatic Plants (ICEMAP 2019).

6. B. Era, A. Fais, A. Rosa, R. Medda, H. Marzouki, A. Piras, A. Kumar, C. Santos-Buelga, **S. Floris**. Evaluation of biological activities and chemical composition of *Washingtonia filifera* seeds. XVI Congress of the Italian Society of Phytochemistry jointly with 2nd International Congress on Edible, Medicinal and Aromatic Plants (ICEMAP 2019).

7. S. Mirabile, S. Vittorio, M. P. Germano, R. Gitto, A. Rapisarda, **S. Floris**, A. Fais, A. Fishman, L. De Luca. Exploiting The 1-(4-fluorobenzyl)piperazine fragment for the development of novel tyrosinase inhibitors. Società Chimica Italiana, Congresso Congiunto delle Sezioni Sicilia e Calabria 2019, Palermo.

8. B. Era, **S. Floris**, S. Porcedda, H. Marzouki, R. Medda, A. Piras, A. Fais. Inhibition of α -Amylase and α -Glucosidase by *Washingtonia filifera* Extracts. 7th International Congress on Medicinal and Aromatic Plants., Toulouse, France, (2018).

9. **S. Floris**, A. Piras, C. Santos-Buelga, R. Medda, A. Fais, B. Era. Inhibitory activity of *Washingtonia filifera* extracts. 30° Edizione Riunione Nazionale “A. Castellani” dei Dottorandi di Ricerca in Discipline Biochimiche Brallo, (2018).

10. R. Medda, D. Piano, **S. Floris**, C. De Sousa Mota, D. De Sanctis, F. Pintus. Crystallization of *Euphorbia*

characias latex peroxidase. 59° Congresso della Società Italiana di Biochimica e Biologia Molecolare (SIB), Caserta, (2017).

11. A. Fais, G. L. Delogu, B. Era, A. Di Petrillo, A. Kumar, P. Caria, **S. Floris**, F. Pintus. Butyrylcholinesterase Inhibitors: Structure-Activity Relationships of 2-phenylbenzofuran derivatives. 59° Congresso della Società Italiana di Biochimica e Biologia Molecolare (SIB), Caserta (2017).

Other scientific activities

28/10/2024 - ongoing (deadline 28/07/2025)

Research fellowship titled: “Biochemical methods for the identification of molecules as potential agents in the treatment of Alzheimer's disease” within the Research Project titled “Identification of novel potential agents from synthetic and natural sources for the treatment of Alzheimer’s disease” funded by Fondazione di Sardegna as part of the Biennial University Projects of Unica for the academic year 2022. Department of Life and Environmental Sciences - University of Cagliari

01/02/2024 – on going (deadline 25/10/2025)

Collaboration for research activities within the Project "Non-communicable Chronic Diseases (NCDs) with a high impact on health and social care systems" - A.O.U Cagliari

01/12/2023 – 31/07/2024

Research fellowship titled: “Development of an enzymatic method for the extraction of microplastics from marine organisms containing chitin exoskeleton” (BIO/10), Research Project BoSeProMare. Department of Life and Environmental Sciences - University of Cagliari

01/02/2022 - 31/07/2023

Research fellowship titled “Biochemical assays for the identification of molecules with antidiabetic activity from plant extracts” within the Research Project “Sardinian Plants as potential source of antidiabetic drugs” funded by Fondazione di Sardegna as part of the Biennial University Projects of Unica for the academic year 2020. Department of Life and Environmental Sciences - University of Cagliari

October - November 2018

E-learning training course “Developing Teaching Skills” Project DISCENTIA

01/03/2017 - 01/06/2017 (3 months)

Erasmus Traineeship - Department of Analytical Chemistry, Nutrition and Bromatology - University of Salamanca (Spain) - Analysis, characterization, and evaluation of the biological activity of phenolic compounds.

14/01/2019 - 14/05/2019 (4 months)

PhD student traineeship - Department of Pharmacognosy and Herbal Medicines – Wrocław Medical University (Poland) - Phytochemical analysis of extracts from *Washingtonia filifera* seeds.

22/08/2019 - 22/12/2019 (4 months)

PhD student traineeship - Department of Medical Cell Biology - Uppsala University (Sweden) - Characterization of biological activities of *Washingtonia filifera* seeds.