

Curriculum vitae Prof. Silvia Tabasso

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EDUCATION

- February 2007: Ph.D. in Chemistry at the University of Turin.

Thesis title: "Fungal metabolites: isolation, structural characterization, bioactivity and synthesis". Supervisors: Prof. Paolo Venturello, Dr. Marco Clericuzio

- October 2003: Italian State Certification for Chemistry.
- July 2003: Master's Degree in Chemistry at the University of Turin

Graduation mark: 110/110 summa cum laude Thesis title: "Extraction, isolation and characterization of metabolites from *Mycena chlorinella*" Supervisor: Dr Marco Clericuzio.

SCIENTIFIC EXPERIENCES

- Since 1st February 2021: Assistant Professor (SSD CHIM/04, 03/C2) at the Department of Chemistry, University of Turin
- Since 29th December 2011: Researcher (SSD CHIM/04, 03/C2) at the Department of Chemistry, University of Turin
- 1st March 2008- 28th December 2011: research fellow at the Department of General and Organic Chemistry, University of Turin; Topic: Organometallic compounds in organic synthesis.
- April 2007–February 2008: research grant at the Department of General and Organic Chemistry, University of Turin Topic: Synthesis of polymeric conjugates of active molecules, in collaboration with Creabilis Therapeutics S.p.A.

Prof. S. Tabasso is co-author of:

56 publications on peer review international journals (h-index 16); 924 citations (ISI), 986 citations (Scopus).

1 patent, 6 book chapters.

She presented **8 oral scientific communications** to congresses (1 invited keynote, to Green Extraction of Natural Products, GENP2018. Bari, 11-13 November 2018) and **4 seminars** as invited speaker.

PROJECTS

She was involved as a participant in the following projects:

- "Biochemenergy: Biomass Wastes as Renewable Source of Energy and Chemicals for the Industry with Friendly Environmental Impact. Optimizing use of Piemonte wastes bioenergy inventory" (Bando Regionale per la Ricerca Industriale e lo Sviluppo Precompetitivo 2006). Dal 29/12/2011 al 30/06/2012.
- "US4GREENCHEM: Combined Ultrasonic and Enzyme treatment of Lignocellulosic Feedstock as Substrate for Sugar Based Biotechnological Applications" (Horizon 2020-BBI-PPP-2014-1). Dal 01/07/2015 al 30/06/2019
- "BIOENPRO4TO – SMART SOLUTIONS FOR SMART COMMUNITIES (07/06/2019-07/12/2021, POR FESR 2014/2020).

And she was the Coordinator of the National project: AGRENERGIA (D.M. 27452/3703/10, Ministero delle Politiche Agricole e Forestali).

RESEARCH FIELDS

- Biomass wastes as renewable source of energy and chemicals for the industry with friendly environmental impact
- Isolation, characterization and synthesis of natural products
- Enabling technologies for the intensification of processes and separations (microwave, ultrasound, membrane filtration, resins skid)

TEACHING EXPERIENCES

Prof. Tabasso is a teacher at the University of Turin of the following courses:

- Chemistry of Raw Materials and Sources (Bachelor's Degree in Chemistry and Chemical Technologies)
- Industrial Chemistry (Master's Degree in Industrial Chemistry)
- From biomass to chemicals and biopolymers towards a sustainable future (PhD School of Chemical and Materials Science)