

Born 5th March 1954 in Sassari, Sardinia-Italy, Italian nationality, Married, Languages: Italian, english.

Educational career: 1974-1979 Faculty of Mathematical Physical and Natural Science University of Sassari, Graduate in Chemistry February 1980 with an experimental Thesis entitled: "Benzo (C) Thiophene derivatives IV. Synthesis and disproportionation of 1,1',3,3' - tetrahydro - 1,1'-dimethoxycarbonyl-1,1'-1,1'-dibenzo (C) thiophene." Italian Diploma of Chemist April 1982.

Professional career: 1983-1986: Assistant Professor in Applied Medicinal Chemistry at the institute of Organic Chemistry Faculty of Pharmacy Sassari University; 1986-1990 Assistant Professor in Applied Medicinal Chemistry at the Institute of Analytical Chemistry Faculty of Pharmacy Sassari University; 1990-2001 Assistant Professor in Medicinal Chemistry at the Pharmaceutical-Chemical and Toxicological Department Faculty of Pharmacy Sassari University; 2001 to present Associate Professor in Medicinal Chemistry at the Chemical and Pharmacy Department, Sassari University.

Scientific activity:

- New methodologies in pharmaceutical analysis:
 - determination of xenobiotics and their metabolites in biological fluids,
 - in *vitro* and in *vivo* stability studies of new prodrugs,
 - enantiomeric separation by HPLC of chiral drugs,
 - analysis of essential oil composition in natural products.
- - Synthesis and SAR (structure-activity relationships) studies of new drugs with likely biological activities:
 - synthesis and biological evaluation of new drugs with anti-inflammatory and analgesic activities,
 - synthesis and biological evaluation of new fungicidal and antibacterial drugs,
 - synthesis and biological evaluation of new drugs with antiproliferative activity,
 - synthesis and biological evaluation of new prodrugs as potential anticonvulsant, anti-HIV and anti-parkinson,
 - synthesis and aldose reductase inhibitory activities of novel thienocinnolinone derivatives,
 - synthesis and biological evaluation of new drugs with antiarrhythmic activity.

Research collaborations:

Research on synthesis and pharmacokinetic of new prodrugs:

- Naples University, Department of Pharmaceutical and Toxicological Chemistry,
- Salerno University, Department of Pharmaceutical Science.

Research on new methodologies in pharmaceutical analysis:

- Italian Advanced Health Institute (Roma), Department of Toxicological and Environmental Chemistry,
- Experimental Zooprophyllactic Institute of Sardinia, reference centre for biological cultures,
- ASL (Sassari), Operating Unit of Forensic Pathology (Hospital).
- CNR, Biomolecular Chemistry Institute (Sassari),
- Bologna University, DIPROVAL (Reggio Emilia).
- Departamento de Quimica Analitica, Universidad de Còrdoba (Spain)

Coordination of research projects:

- I. From 2000 to 2006 search party coordinator: financial support from the MURST ex 60%.
- II. Responsible for search party (8-EMS 8) in the "current research project" (IZS-SA 05/99): "synthesis, chemical determination and development of screening and

confirmation methods of new growth promoters”, in collaboration with: Experimental Zooprophyllactic Institute of Sardinia and Italian Advanced Health Institute

III. Responsible for search party (8-EMS 8) in the “current research project” (IZS-SA 05/99) “molecular determination and metabolic study of new growth promoters”, in collaboration with: Experimental Zooprophyllactic Institute of Sardinia and Italian Advanced Health Institute.

IV. Responsible (Applicant) in the search project sponsored from Regione Sardinia ((L.R. 7/2007 Progetti di ricerca di base, Bando 2008) "In vivo pharmacokinetics studies on therapeutic forms for Thymol administration to little pigs in Salmonella Serovar Typhimurium care".

Referee of most important international reviews in Medicinal Chemistry and Pharmaceutical and Biomedical Analysis.

N° of publications: 92

N° of abstracts: 70

N° of patent: 4

h-index 19 (Scopus)