

Maria Cecilia Loi

Curriculum vitae (March 2017)

Work address

University of Cagliari, Department of Life and Environment Sciences - Section of Botany
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Year of birth: 1956

Place of birth: Cagliari, Sardinia, Italy

Citizenships: Italian

Qualification

Degree in Biology, March 1980, Faculty of Mathematical, Physical and Natural Sciences, University of Cagliari

Current positions

Researcher at the Faculty of Biology and Pharmacy, University of Cagliari, Disciplinary sector: 05/A1 Botany (BIO/02 Systematic Botany).

Research

The activity has developed since 1981 in various fields and has focused on:

- ♦ **Palinology** - Holocene pollen stratigraphy of sediments of the Gulf of Cagliari.
- ♦ **Systematics and Taxonomy** – genera *Lippia*, *Tamarix*, *Ferula communis* L.,
- ♦ **Flora and ecology** – Flora and ecology of the inland salt marshes Southern Sardinia; flora of *Fluminese* area (South Sardinia); flora of calcareous formations of Central- Eastern Sardinia (*Monte Tonneri*, *Monte Arcueri*, *Monte Perda 'e Liana*)
- ♦ **Mycology** - systematic list of macromycetes collected in two localities of South Sardinia (Forests of *Sette fratelli* and *Gutturu Mannu*); diversity and colonization frequency of endophytic fungi in a few autochthonous plants of Sardinia.
- ♦ **Ethnobotany, phytochemistry and biological activity** – Wild plants used in Sardinian traditional medicine in different communities. Folk phytotherapy of ethnic minority groups (Tabarkins).. Phytochemistry and biological activity in several wild Sardinian plants used in TK (*Taxus baccata*, *Euphorbia* ssp., *Laurus nobilis*, *Onopordum illyricum*, *Anagyris foetida*; *Rubus ulmifolius*; *Cerantonia siliqua*, *Genista* sp).
- ♦ **Physiology** - Photosystem II, thylakoid membranes, surface layers.

Participation in the research PRIN program

“Le piante nella medicina tradizionale quali potenziali fonti di fitocostituenti ad attività estrogenica”

Plants in traditional medicine as a potential sources in phytoconstituents of estrogenic activity. Area 03 (2003-2005)

Participation Research Project RAS LR7-: "PROMOZIONE DELLA RICERCA SCIENTIFICA E DELL'INNOVAZIONE TECNOLOGICA IN SARDEGNA" -ANNUALITA' 2012 – *“ L'endemismo sardo-corso Papilio hospiton e sue piante-ospite: studio integrato per la conservazione “* Coordinatore scientifico – Prof. Roberto Crnjar.

Participation Project LIFE15 GIE/IT/001039 - Alien Species Awareness Program (ASAP)

Teaching activity

Modules taught at University of Cagliari

- Faculty of Biology and Pharmacy

- Plant Biology
- Systematic Botany
- Lichens in Evolutionary Botany
- Structural and Systematic botany Laboratory for Experimental Biology and Applied Degree (Curriculum Environmental Botany) ;
- "Teaching of Plant Biology" course in the Integrated Teaching of Biology "for the School of Specialization in Teacher Training High School.(SISS)
- Plant Physiology
- Phytosociology

Teaching has also focused on environmental education taking care of the pre-university education at the laboratories of Botanical Garden of University of Cagliari. Some of these experiences were presented in 2000 at the 1st European Botanic Gardens Education Congress "Education Programmes for school: Botanic Gardens and Its surrounding area." Birmingham, (13-17 October 2000).

She also participated in Laboratorio Didattico Calaritano Campus Unica Quality Project at University of Cagliari (02 February – 18 April 2009) followed by experimentation from 2009 to 2012. In April 2014, the Foundation CRUI (Conferenza dei Rettori delle Università Italiane) has published online on its website, the book *"Teaching disciplines, learn to work in university settings - Experience Cagliari and model of educational quality"*, produced by the Center for Quality of the University of Cagliari to illustrate the experience the Laboratorio Didattico Calaritano (LDC).

In fede

María Cecilia

Cagliari 24.03.2017