

Giannella Piluzza



Researcher (permanent position)

Email: giannella.piluzza@ispaam.cnr.it;

Web PAGE <http://www.cnr.it/people/giovanna.piluzza>

Phone: +390792841608

Fax: +390792841699

Address: ISPAAM-CNR, U.O.S. Sassari, traversa La Crucca, località Baldinca Li Punti
07100 Sassari

Education and Professional Experience

2008 at present researcher (permanent position)

2006-2007 Research contract at ISPAAM-CNR u.o.s Sassari

2002-2005 Research contract at ISPAAM-CNR u.o.s Sassari

2000-2002 PhD in “Crops Productivity”, University of Sassari, Italy

1999 Specialization as “Specialist for Environmental Specific Activity” at the regional institution ISOGEA

1996-1998 Research contract at the Department of Agronomic Science and Plant Genetic of the University of Sassari

1995-1996 Recipient of a CNR fellowship at the ISPAAM-CNR u.o.s. Sassari

1992 Degree in Biological Science, University of Sassari, Italy

Keywords

Mediterranean plant species, plant secondary metabolites, ethnobotany

Selected publications

1. **G Piluzza**, S Viridis, F Serralutzu, S Bullitta,. (2015). Uses of plants,

animal and mineral substances in Mediterranean ethno-veterinary practices for the care of small ruminants. *Journal of Ethnopharmacology* 168, 87-99.

2. L Sulas, G A Re, S Bullitta **G Piluzza**. (2015). Chemical and productive properties of two Sardinian milk thistle (*Silybum marianum* (L.) Gaertn.) populations as sources of nutrients and antioxidants. *Genetic Resources and Crop Evolution* DOI 10.1007/s10722-015-0251-5.
3. G Re, **G Piluzza**, L Sulas, A Franca, C Porqueddu, F Sanna, S Bullitta (2014). Condensed tannin accumulation and nitrogen fixation potential of *Onobrychis viciifolia* Scop. grown in a Mediterranean environment. *Journal of the Science of Food and Agriculture* 94 (4) 639-645.
4. **G Piluzza**, L Sulas, S Bullitta (2014). Tannins in forage plants and their role in animal husbandry and environmental sustainability: a review. *Grass and Forage Science* 69, 32-48.
5. **G. Piluzza**, L Sulas, S Bullitta (2014). Dry matter yield, feeding value, and antioxidant activity in Mediterranean chicory (*Cichorium intybus* L.) germplasm. *Turkish Journal of Agriculture and Forestry* 38 (4) 506-514.
6. F Sanna, A Franca, C Porqueddu, **G Piluzza**, GA Re, L Sulas S Bullitta (2014). Characterization of native perennial ryegrasses for persistence in mediterranean rainfed conditions. *Spanish Journal of Agricultural Research* 12 (4) 1110-1123.
7. **G Piluzza**, G Delogu, A Cabras, S Marceddu, S Bullitta (2013). Differentiation between fiber and drug types of hemp (*Cannabis sativa* L.) from a collection of wild and domesticated accessions. *Genetic Resources and Crop Evolution* 60 (8) 2331-2342.
8. C Porqueddu, GA Re, F. Sanna, **G Piluzza** L Sulas, A Franca, S Bullitta. (2013). Exploitation of annual and perennial herbaceous species for the rehabilitation of a sand quarry in a mediterranean environment. *Land Degradation & Development* DOI 10.1002/ldr.2235.
9. VI Safronova, **G Piluzza**, NY Zinovkina, AK Kimeklis, AA Belimov, S Bullitta (2012). Relationships between pasture legumes, rhizobacteria and nodule bacteria in heavy metal polluted mine waste of SW Sardinia. *Symbiosis* 58, 149-159.
10. S Bullitta, **G Piluzza**, MDI Manunta (2012). Cell-based and chemical assays of the ability to modulate the production of intracellular Reactive Oxygen Species of eleven Mediterranean plant species related to ethnobotanic traditions. *Genetic Resources and Crop Evolution* 60, 403-412.
11. L Sulas, **G Piluzza**, JJ Rochon, JP Goby, JM Greef, U Sölter, D Headon D

Scholefield (2012) Assessing the potential for nutrient leaching from beneath grazed leguminous swards at four European sites. *Grass and Forage Science* 67, 320–336.

12. **G Piluzza**, S Bullitta, (2011). Correlation between phenolic content and antioxidant properties in twenty-four plant species of traditional ethnoveterinary use in the Mediterranean area. *Pharmaceutical Biology* 49 (3):240-247.
13. VI Safronova, **G Piluzza**, S Bullitta A A Belimov (2011). Use of Legume-Microbe Symbioses for Phytoremediation of Heavy Metal Polluted Soils: Advantages and Potential Problems. In: *Handbook of Phytoremediation* Editor: Ivan A. Golubev, pp. 443-469.
14. **G Piluzza**, S Bullitta (2010). The dynamics of phenolics concentration in some pasture species and implications for animal husbandry. *Journal of the Science and Food Agriculture* 90:1452-1459.
15. S Bullitta, S Dettoiri, M Manchinu, MR Filigheddu, **G Piluzza** (2011). Characterization of Sardinian cork oak (*Quercus suber* L.) genetic resources for economically important traits. *Genetic Resources and Crop Evolution* 58 (7) 1007-1020.
16. S Bullitta, **G Piluzza**, L Viegli (2007). Plant resources used for traditional ethnoveterinary phytoterapy in Sardina (Italy). *Genetic Resources and Crop Evolution*, 54 (7): 1447-1464.
17. AA Belimov, N Hontzeas, VI Safronova, SV Demchinskaya, **G Piluzza**, S Bullitta, BR Glick, (2005). Cadmium-tolerant plant growth-promoting bacteria associated with the roots of Indian mustard (*Brassica juncea* L. Czern.). *Soil Biology & Biochemistry* 37, 241-250.
18. **G Piluzza**, L Pecetti, S Bullitta, E Piano (2005). Discrimination among subterranean clover (*Trifolium subterraneum* L. complex) genotypes using RAPD markers. *Genetic Resources and Crop Evolution*, 52, 193-199.
19. VI Safronova, **G Piluzza**, AA Belimov, S Bullitta (2004). Phenotypic and genotypic analysis of rhizobia isolates from pasture legumes native of Sardinia and Asinara Island. *Antonie van Leeuwenhoek* 85: 115-127.