Giannella Piluzza

Researcher (permanent position)

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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 pubblications

1. **G Piluzza**, S Virdis, 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 Viegi (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.