Leonardo Sulas

Researcher

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Education and Professional Experience

2021: Senior Researcher

2015: Researcher

1991-2001: Researcher (temporary position)

1990-1991: Research Fellowship at CNR – Center for Mediterranean Pastures, Sassari, Italy.

1987-1990: Bank employee (Agricultural credit)

1986: Degree cum laude in Agricultural Sciences, University of Sassari, Ita

Keywords

Native plant species and their multipurpose uses

Mediterranean Pasture and Fodder Species, Legumes, Symbiotic N-fixation, Biomass for Bioenergy and Biorefinery

Selected publications (max 20)

1. **Sulas L**, Franca A, Sanna F, Re GA, Melis R, Porqueddu C (2015). Biomass characteristics in Mediterranean populations of *Piptatherum miliaceum* – A native perennial grass species for bioenergy. Industrial Crops and Products. DOI: 10.1016/j.indcrop.2015.07.014.
2. **Sulas L**, Canu S, Ledda L, Carroni AM, Salis M (2015). Yield and nitrogen

fixation potential from white lupine grown in rainfed Mediterranean environments. Scientia Agricola (in press).

3. **Sulas L**, Re GA, Salis M, Garau G, Sitzia M, Salis L (2015). Performances and the Effect of Inoculation in Annual Clover Cultivars Grown at Two Different Locations of Sardinia (Italy). Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 43, 165-172
4. Yates R, Howieson J, De Meyer SE, Tian R, Seshadri R, Pati A, Woyke T, Markowitz V, Ivanova N, Kyrpides N, Loi A, Nutt B, Garau G, **Sulas L**, Reeve W (2015). High-quality permanent draft genome sequence of *Rhizobium sullae* strain WSM1592; a *Hedysarum coronarium* microsymbiont from Sassari, Italy. Standards in Genomic Sciences, DOI: 10.1186/s40793-015-0020-2.
5. **Sulas L**, Re GA, Bullitta S, Piluzza G (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 62, DOI: 10.1007/s10722-015-0251-5 (in Press).
6. Martinelli T, Andrzejewska J, Salis M, **Sulas L**, (2015). Phenological growth stages of *Silybum marianum* (L.) Gaertn. according to the extended BBCH scale. Annals of Applied Biology Annals, 166: 53–66.
7. Cocco D, Deligios PA, Ledda L, **Sulas L**, Virdis A, Carboni G (2014). LCA study of oleaginous bioenergy chains in a Mediterranean envinronment. Energies, 7, 6258-6281 (doi: 10.339./en7106258)
8. Tagliapietra F. Cattani M, Guadagnin M, Haddic ML, **Sulas L**, Muresu M, Squartini A, Schiavona S, Bailoni L (2015). Associative effects of poor quality forages combined with food industry by-products determined in vitro with an automated gas production system. Animal Production Science. 55:1117-1122.
9. Sanna F, Franca A, Porqueddu C, Piluzza G, Re GA, **Sulas L**, Bullitta S (2014). Characterization of perennial ryegrass native populations showing high persistence in Mediterranean rainfed conditions. Spanish Journal of Agricultural Research. 12:1110-1123.
10. Piluzza G, **Sulas L**, Bullitta S (2014). Dry matter yield, feeding value and antioxidant activity of Mediterranean wild chicory (*Cichorium intybus* L.) germplasm. Turk. J. Agric. For., 38:506-514.
11. Ledda L, Deligios P, Farci R, **Sulas L** (2013). Biomass supply for energetic purposes from some Carduae species grown in a Mediterranean rainfed low input cropping system. Industrial crops and Products, 47, 218-226.
12. P Deligios, R Farci, **L Sulas**, G Hoogenboom and L Ledda (2013). Predicting

growth and yield of winter rapeseed in a Mediterranean environment: Model adaptation at a field scale. Field Crops Res. 144, 100-112.

13. Re GA, Piluzza G, **Sulas L**, Franca A, Porqueddu C, Sanna F, and Bullitta S (2013). The pattern of condensed tannins accumulation and the nitrogen fixation potential of *Onobrychis viciifolia* Scop. in a Mediterranean environment. Journal of the Science of Food and Agriculture, 69, 639-645.
14. **Sulas L**, Roggero PP, Canu S, Seddaiu S (2013). Potential nitrogen source from field bean (*Vicia faba minor* L.) under Mediterranean conditions. Agronomy Journal, 105: 1735-1742.
15. Piluzza G, **Sulas L**, Bullitta S (2014). Tannins in forage plants and their role in animal husbandry and environmental sustainability. A review. Grass and Forage Science, 69: 32-48.
16. Muresu R, Tondello A, Polone E, **Sulas L**, Baldan B, and Squartini A (2013). Antioxidant treatments counteract the non-culturability of bacterial endophytes isolated from legume nodules. Archives of Microbiology, DOI 10.1007/s00203-013-0886-6.
17. **L Sulas**, G Piluzza, JJ Rochon, JP Goby, JM Greef, U Sölter, D Headon and 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.