

- 1- Balmas, V., Fancellu, F., Sanna, S., Scherm, B., Migheli, Q., Malbrán, I. Water distribution systems in Sardinian hospitals host invasive clonal lineages of the *Fusarium oxysporum* and *Fusarium solani* species complexes (2021) *Mycologia*, 113 (4), pp. 725-733. DOI: 10.1080/00275514.2021.1905497
- 2- Bazan, G., Bacchetta, G., Bagella, S., Bonari, G., Bonini, F., Calvia, G., Caria, M. C., Riviaccio, G., & Gianguzzi, L. (2021). New national and regional Annex I Habitat records: From #21 to #25. *Plant Sociology*, 58(1), 167–178.  
<https://doi.org/10.3897/PLS2021581/09>
- 3- Bonari, G., Fantinato, E., Lazzaro, L., Sperandii, M. G., Acosta, A. T. R., Allegrezza, M., Assini, S., Caccianiga, M., di Cecco, V., Frattaroli, A., Zanzottera, M., & Bagella, S. (2021). Shedding light on typical species: Implications for habitat monitoring. *Plant Sociology*, 58(1), 157–166. <https://doi.org/10.3897/pls2020581/08>
- 4- Caria, M. C., Grillas, P., Riviaccio, G., & Bagella, S. (2021). Effect of inter-annual meteorological fluctuations and wild boar disturbance on the vegetation of Mediterranean temporary ponds. *Applied Vegetation Science*, 24(4).  
<https://doi.org/10.1111/avsc.12624>
- 5- Chahine, S., Giannini, V., Roggero, P.P., Melito, S. First insight of exogenous addition of proline and glycinebetaine to mitigate fluorine toxicity effects on common bean seedlings (2021) *Italian Journal of Agronomy*, 16 (2), art. no. 1754, DOI: 10.4081/ija.2020.1754
- 6- Chen, X., Zhou, X., Zhao, J., Tang, X., Pasquali, M., Migheli, Q., Berg, G., Cernava, T. Occurrence of green mold disease on *Dictyophora rubrovolvata* caused by *Trichoderma koningiopsis* (2021) *Journal of Plant Pathology*, 103 (3), pp. 981-984. DOI: 10.1007/s42161-021-00861-x
- 7- Cutini, A., Ferretti, M., Bertini, G., Brunialti, G., Bagella, S., Chianucci, F., Fabbio, G., Fratini, R., Riccioli, F., Caddeo, C., Calderisi, M., Ciucchi, B., Corradini, S., Cristofolini, F., Cristofori, A., Di Salvatore, U., Ferrara, C., Frati, L., Landi, S., Marchino, L., Patteri, G., Piovosi, M., Roggero, P.P., Seddaiu, G., Gottardini, E. Testing an expanded set of sustainable forest management indicators in Mediterranean coppice area (2021) *Ecological Indicators*, 130, art. no. 108040, . DOI: 10.1016/j.ecolind.2021.108040
- 8- Dibari, C., Pulina, A., Argenti, G., Aglietti, C., Bindi, M., Moriondo, M., Mula, L., Pasqui, M., Seddaiu, G., Roggero, P.P. Climate change impacts on the alpine, continental and mediterranean grassland systems of Italy: A review (2021) *Italian Journal of Agronomy*, 16 (3), art. no. 1843, . DOI: 10.4081/ija.2021.1843
- 9- Di Prima, S., Stewart, R.D., Abou Najm, M.R., Ribeiro Roder, L., Giadrossich, F., Campus, S., Angulo-Jaramillo, R., Yilmaz, D., Roggero, P.P., Pirastru, M., Lassabatere, L. BEST-WR: An adapted algorithm for the hydraulic characterization

of hydrophilic and water-repellent soils (2021) *Journal of Hydrology*, 603, art. no. 126936. DOI: 10.1016/j.jhydrol.2021.126936

- 10-el Mokh, F., Nagaz, K., Masmoudi, M. M., Mechlia, N. B., & Ghiglieri, G. (2021). Deficit irrigation using saline water of fruit trees under water scarcity conditions of southern tunisia. *Atmosphere*, 12(7). <https://doi.org/10.3390/atmos12070864>
- 11-Evangelista Silva, V., Nogueira, T. A. R., Abreu-Junior, C. H., Dilipkumar Jani, A., Buzetti, S., Carvalho Minhoto Teixeira Filho, M., He, Z., Ganga, A., Mouslech Andrade Penido, T., Rodrigo da Silva, A., Rodrigo da Silva, A., & Capra, G. F. (2021). Variability in soil physical–chemical properties along the root-explored profile in deep Oxisols of commercial eucalypt plantations. *Forest Ecology and Management*, 494. <https://doi.org/10.1016/j.foreco.2021.119334>
- 12-Fois, M., Bacchetta, G., Caria, M. C., Cogoni, D., Farris, E., Fenu, G., Manca, M., Pinna, M. S., Pisanu, S., Riviaccio, G., Riviaccio, G., & Bagella, S. (2021). Proposals for improvement of Annex I of Directive 92/43/ EEC: Sardinia. *Plant Sociology*, 58(2), 65–76. <https://doi.org/10.3897/pls2021582/06>
- 13-Galasso, G., Domina, G., Andreatta, S., Argenti, E., Bacchetta, G., Bagella, S., Banfi, E., Barberis, D., Bardi, S., Barone, G., Bartolucci, F., Bertolli, A., Biscotti, N., Bonali, F., Bonini, F., Bonsanto, D., Brundu, G., Buono, S., Caldarella, O., Calvia, G., Cambria, S., Campus, G., Caria, M.C., Conti, F., Coppi, A., Dagnino, D., Del Guacchio, E., Di Gristina, E., Farris, E., Ferretti, G., Festi, F., Fois, M., Furlani, F., Gigante, D., Guarino, R., Gubellini, L., Hofmann, N., Iamónico, D., Jiménez-Mejías, P., La Rosa, A., Laface, V.L.A., Lallai, A., Lazzaro, L., Lonati, M., Lozano, V., Luchino, F., Lupoletti, J., Magrini, S., Mainetti, A., Marchetti, D., Marenzi, P., Marignani, M., Martignoni, M., Mei, G., Menini, F., Merli, M., Mugnai, M., Musarella, C.M., Nicoletta, G., Hussain, A.N., Olivieri, N., Orlandini, S., Peccenini, S., Peruzzi, L., Pica, A., Pilon, N., Pinzani, L., Pittarello, M., Podda, L., Probo, M., Prosser, F., Raffaelli, C., Enri, S.R., Riviaccio, G., Rosati, L., Sarmati, S., Scafidi, F., Selvi, F., Sennikov, A.N., Cocco, G.S., Spampinato, G., Stinca, A., Tavilla, G., Tomaselli, V., Tomasi, D., Tomasi, G., Trenchi, M., Turcato, C., Verloove, F., Viciani, D., Villa, M., Wagensommer, R.P., Lastrucci, L. Notulae to the Italian alien vascular flora: 11 (2021) *Italian Botanist*, 11, pp. 93-119. DOI: 10.3897/ITALIANBOTANIST.11.68063
- 14-Garau, M., Castaldi, P., Diquattro, S., Pinna, M.V., Senette, C., Roggero, P.P., Garau, G. Combining grass and legume species with compost for assisted phytostabilization of contaminated soils (2021) *Environmental Technology and Innovation*, 22, art. no. 101387, . DOI: 10.1016/j.eti.2021.101387
- 15-Garau, M., Castaldi, P., Patteri, G., Roggero, P.P., Garau, G. Evaluation of *Cynara cardunculus* L. and municipal solid waste compost for aided phytoremediation of multi potentially toxic element–contaminated soils (2021) *Environmental Science and Pollution Research*, 28 (3), pp. 3253-3265. DOI: 10.1007/s11356-020-10687-2
- 16- Garau, G., Roggero, P.P., Diquattro, S., Garau, M., Pinna, M.V., Castaldi, P. Innovative amendments derived from industrial and municipal wastes enhance plant growth and soil functions in potentially toxic elements-polluted environments

(2021) Italian Journal of Agronomy, 16 (2), art. no. 1777, . DOI:  
10.4081/ija.2021.1777

- 17- Geiser, D.M., Al-Hatmi, A.M.S., Aoki, T., Arie, T., Balmas, V., Barnes, I., Bergstrom, G.C., Bhattacharyya, M.K., Blomquist, C.L., Bowden, R.L., Brankovics, B., Brown, D.W., Burgess, L.W., Bushley, K., Busman, M., Cano-Lira, J.F., Carrillo, J.D., Chang, H.-X., Chen, C.-Y., Chen, W., Chilvers, M., Chulze, S., Coleman, J.J., Cuomo, C.A., Wilhelm de Beer, Z., Sybren de Hoog, G., Castillo- Munera, J.D., Del Ponte, E.M., Dieguez-Uribeondo, J., Pietro, A.D., Edel-Hermann, V., Elmer, W.H., Epstein, L., Eskalen, A., Esposito, M.C., Everts, K.L., Fernandez-Pavia, S.P., da Silva, G.F., Foroud, N.A., Fourie, G., Frandsen, R.J.N., Freeman, S., Freitag, M., Frenkel, O., Fuller, K.K., Gagkaeva, T., Gardiner, D.M., Glenn, A.E., Gold, S.E., Gordon, T.R., Gregory, N.F., Gryzenhout, M., Guarro, J., Gugino, B.K., Gutierrez, S., Hammond-Kosack, K.E., Harris, L.J., Homa, M., Hong, C.-F., Hornok, L., Huang, J.-W., Ilkit, M., Jacobs, A., Jacobs, K., Jiang, C., del Mar Jimenez-Gasco, M., Kang, S., Kasson, M.T., Kazan, K., Kennell, J.C., Kim, H.-S., Corby Kistler, H., Kuldau, G.A., Kulik, T., Kurzai, O., Laraba, I., Laurence, M.H., Lee, T., Lee, Y.-W., Lee, Y.-H., Leslie, J.F., Liew, E.C.Y., Lofton, L.W., Logrieco, A.F., Lopez-Berges, M.S., Luque, A.G., Lysøe, E., Ma, L.-J., Marra, R.E., Martin, F.N., May, S.R., McCormick, S.P., McGee, C., Meis, J.F., Migheli, Q., Mohamed Nor, N.M.I., Monod, M., Moretti, A., Mostert, D., Mule, G., Munaut, F., Munkvold, G.P., Nicholson, P., Nucci, M., O'Donnell, K., Pasquali, M., Pfenning, L.H., Prigitano, A., Proctor, R.H., Ranque, S., Rehner, S.A., Rep, M., Rodriguez-Alvarado, G., Rose, L.J., Roth, M.G., Ruiz-Roldan, C., Saleh, A.A., Salleh, B., Sang, H., Scandiani, M.M., Scauflaire, J., Schmale, D.G., Short, D.P.G., Sisic, A., Smith, J.A., Smyth, C.W., Son, H., Spahr, E., Stajich, J.E., Steenkamp, E., Steinberg, C., Subramaniam, R., Suga, H., Summerell, B.A., Susca, A., Swett, C.L., Toomajian, C., Torres-Cruz, T.J., Tortorano, A.M., Urban, M., Vaillancourt, L.J., Vallad, G.E., van der Lee, T.A.J., Vanderpool, D., van Diepeningen, A.D., Vaughan, M.M., Venter, E., Vermeulen, M., Verweij, P.E., Viljoen, A., Waalwijk, C., Wallace, E.C., Walther, G., Wang, J., Ward, T.J., Wickes, B.L., Wiederhold, N.P., Wingfield, M.J., Wood, A.K.M., Xu, J.-R., Yang, X.-B., Yli-Mattila, T., Yun, S.-H., Zakaria, L., Zhang, H., Zhang, N., Zhang, S.X., Zhang, X. Phylogenomic analysis of a 55.1-kb 19-gene dataset resolves a monophyletic fusarium that includes the fusarium solani species complex (2021) *Phytopathology*, 111 (7), pp. 1064-1079. DOI: 10.1094/PHYTO-08-20-0330-LE
- 18- Ghiglieri, G., Buttau, C., Arras, C., Funedda, A., Soler, A., Barbieri, M., Carrey, R., Domènech, C., Torrentó, C., Otero, N., Otero, N., & Carletti, A. (2021). Using a multi-disciplinary approach to characterize groundwater systems in arid and semi-arid environments: The case of Biskra and Batna regions (NE Algeria). *Science of the Total Environment*, 757. <https://doi.org/10.1016/j.scitotenv.2020.143797>
- 19- Giannini, V., Melito, S., Matteo, R., Lazzeri, L., Pagnotta, E., Chahine, S., Roggero, P.P. Testing *Eruca sativa* defatted seed meal as a potential bioherbicide on selected weeds and crops (2021) *Industrial Crops and Products*, 171, art. no. 113834, . DOI: 10.1016/j.indcrop.2021.113834

- 20- Grilli, E., Vigliotti, R. C., Rossetti, L., Scognamiglio, M., Fiumano, V., Fiorentino, A., Leone, N., Nogueira, T. A. R., Abreu-Junior, C. H., Jani, A. D., Capra, G. F., & Ganga, A. (2021). Restoration of quarry areas in Mediterranean regions through a low-cost soil rebuilding technique for profitable pedotechnosystems development. *Soil and Tillage Research*, 209. <https://doi.org/10.1016/j.still.2021.104936>
- 21- Guerrini, I. A., Sampaio, T. F., Bogiani, J. C., Backes, C., Harrison, R. B., Oliveira, F. C., Gava, J. L., Traballi, R. C., Garuba de Menezes Mota, R., Roder, L. R., James, J. N., & Capra, G. F. (2021). Sewage sludge as a pedotechnomaterial for the recovery of soils compacted by heavy machinery on Eucalyptus commercial plantation. *Journal of Cleaner Production*, 325. <https://doi.org/10.1016/j.jclepro.2021.129320>
- 22- Gutierrez, L., Nocella, G., Ghiglieri, G., Idini A. Willingness to pay for fluoride-free water in Tanzania: disentangling the importance of behavioural factors (2021) *International Journal of Water Resources Development* DOI: 10.1080/07900627.2021.1996341
- 23- Manis, C., Addis, M., Sitzia, M., Scano, P., Garau, V., Cabiddu, A., Caredda, M., Pirisi, A., Pulina, A., Roggero, P., Caboni, P. Untargeted lipidomics of ovine milk to analyse the influence of different diet regimens (2021) *Journal of Dairy Research*, 88 (3), pp. 261-264. DOI: 10.1017/S0022029921000583
- 24- Oufensou S., Casalini S., Balmas V., Carta P., Chtioui W., Dettori M.A., Fabbri D., Migheli Q., Delogu G. (2021) Prenylated trans-cinnamic esters and ethers against clinical *Fusarium* spp.: repositioning of natural compounds in antimicrobial discovery. *Molecules* 26: 658 (<https://doi.org/10.3390/molecules26030658>).
- 25- Oufensou S., Dessì A., Dallochio R., Balmas V., Azara E., Carta P., Migheli Q., Delogu G. (2021) Molecular docking and comparative inhibitory efficacy of naturally occurring compounds on vegetative growth and deoxynivalenol biosynthesis in *Fusarium culmorum*. *Toxins* 13(11): 759 (<https://doi.org/10.3390/toxins13110759>).
- 26- Pastorello, G., Trotta, C., Canfora, E., Chu, H., Christianson, D., Cheah, Y.-W., Poindexter, C., Chen, J., Elbashandy, A., Humphrey, M., Torn, M., & Papale, D. (2021). Author Correction: The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data (*Scientific Data*, (2020), 7, 1, (225), 10.1038/s41597-020-0534-3). *Scientific Data*, 8(1). <https://doi.org/10.1038/s41597-021-00851-9>
- 27- Riviuccio, G., Aleffi, M., Angiolini, C., Bagella, S., Bazan, G., Bonini, F., Caria, M. C., Casavecchia, S., Castello, M., Dagnino, D., Venanzoni, R., & Gigante, D. (2021). New national and regional Annex I Habitat records: From #26 to #36. *Plant Sociology*, 58(2), 77–98. <https://doi.org/10.3897/pls2021582/07>
- 28- Rizzu, M., Tanda, A., Cappai, C., Roggero, P.P., Seddaiu, G. Impacts of soil and water fluoride contamination on the safety and productivity of food and feed crops: A systematic review (2021) *Science of the Total Environment*, 787, art. no. 147650
- 29- Saleh, A. E., Ul-Hassan, Z., Zeidan, R., Al-Shamary, N., Al-Yafei, T., Alnaimi, H., Higazy, N. S., Migheli, Q., & Jaoua, S. (2021). Biocontrol Activity of *Bacillus*

megaterium BM344-1 against Toxigenic Fungi. *ACS Omega*, 6(16), 10984–10990.  
<https://doi.org/10.1021/acsomega.1c00816>

- 30- Saville, A. C., la Spada, F., Faedda, R., Migheli, Q., Scanu, B., Ermacora, P., Gilardi, G., Fedele, G., Rossi, V., Lenzi, N., Cacciola, S. O., & Ristaino, J. B. (2021). Population structure of *Phytophthora infestans* collected on potato and tomato in Italy. *Plant Pathology*, 70(9), 2165–2178. <https://doi.org/10.1111/ppa.13444>
- 31- Zucca, C., Middleton, N., Kang, U., Liniger, H. Shrinking water bodies as hotspots of sand and dust storms: The role of land degradation and sustainable soil and water management, (2021) *CATENA*, Volume 207, 105669, ISSN 0341-8162, <https://doi.org/10.1016/j.catena.2021.105669>