



SAPIENZA  
UNIVERSITÀ DI ROMA

# *Italian Society of Vegetation Science (SISV)*

## *54th Congress*

*(virtual online Conference)*

# *Twenty years in the third millennium with Vegetation Science*

*September 28th-29th 2021*

## **2nd Circular**



### **Scientific Committee**

Alicia Teresa Acosta, Marina Allegrezza, Silvia Paola Assini, Simonetta Bagella, Marco Caccianiga, Romeo Di Pietro, Anna Rita Frattaroli, Daniela Gigante, Riccardo Guarino, Dmtitar Lakusic, Ladislav Mucina, Leonardo Rosati, Massimo Terzi, Jean-Paul Theurillat, Daniele Viciani, Wolfgang Willner

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### **Secretary**

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**Official language for lectures: Italian and English. Powerpoint presentations and posters in English.**

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## Programme

**TUESDAY, 28 September 2021**

**9:00** Welcome and opening remarks

Romeo Di Pietro – Chief organizer of the Congress

Laura Ricci – Director of the Dept. of Planning, Design and Technology of Architecture (PDTA)

Simonetta Bagella – President of the Italian Society of Vegetation Science (SISV)

**9.30** *Vegetation Science and Green infrastructures* - Chair Riccardo Guarino

**Blasi C.** Opportunities for vegetation Science in the new European strategies for biodiversity, Farm to fork and Green Infrastructure.

**Gatti L.** Multifunctionality of greening in vegetated buildings: relevant aspects in plant selection.

**Andreucci M.B., Loder A., McGee B., Brajković J., Brown M.** Exploring Regenerative Co-benefits of Biophilic Design for People and the Environment.

**Russo A.** Designing biodiverse cities for mental health and wellbeing.

**Vannucchi F., Pini R., Bretzel F.** Soil and substrate quality as an opportunity for urban greening and biodiversity conservation.

**Catalano C., Pasta S., Guarino R.** A plant sociological procedure for the ecological design and enhancement of urban green infrastructure.

**Ruzzon M., Lipreri E., Armiraglio S.** The green infrastructure role in temperature regulation in the Municipality of Brescia.

**12:15** Break

**12:30** Round table discussion: *Green infrastructures* - Coordinator: Riccardo Guarino

The round table is open to non-members of the Congress until the maximum number of participants is reached.

Guests:

**Maria Beatrice Andreucci** - Landscape architecture, Sapienza Univ. Roma

**Stefano Armiraglio** - Plant ecology, Museo di Scienze Naturali di Brescia

**Chiara Catalano** - Landscape architecture, Zurich University of Applied Sciences

**Carlo Blasi** - Plant ecology, Sapienza Univ. Roma

**Francesca Bretzel** - Agrobiology, CNR IRET

**Laura Gatti** - Landscape agronomy - freelancer

**Adriano Paoella** - Architecture technology, Univ. Medit. Reggio Calabria

**Alessio Russo** - Landscape architecture, Univ. Gloucestershire

13:30 Break

14:30 **Forest vegetation** - Chair: Daniele Viciani

**Burrascano S., Bagella S., Chianucci F., Chiarucci A., Dörfler I., Giordani P., Kepfer-Rojas S., Mitić B., Munzi S., Nagel T.A., Nascimbene J., Paillet Y., Sitzia T., Tinya F., Van der Sluis T., Ódor P.** A European platform of forest multi-taxon biodiversity.

**Di Pietro R., Viciani D., Angiolini C., Armiraglio S., Caccianiga M., Ciaschetti G., Ercole S., Foggi B., Fortini P., Gabellini A., Gennai M., Gigante D., Selvaggi A., Terzi M., Rosati L.** Floristic and coenological analyses of the *Quercus cerris* forests in Italy.

**Wellstein C., Burrascano S., Cangelmi G., Cianfaglione K., Chelli S., Filibeck G., LaBella G., Lozano V., Maccherini S., Mugnai M., Tomaselli M., Tomasi D., Rota F., Bonari G.** A clean slate? Effects of the Vaia storm and salvage logging on forest vegetation.

**Quaranta L., Di Marzio P., Ferretti F., Di Salvatore U., Fortini P.** Analysis of the functional characters of the seedling of *Quercus cerris* L. in Molise Region.

**Tesei G., Zotti M., Idbella M., Bonanomi G., Ciaschetti G., Allegrezza M.** Distribution and vegetation dynamics of *Pinus mugo* subsp. *mugo* dieback patches in Maiella massif - Central Italy.

**Mei G., Maccaroni L., Oreskovic M., Taffetani F.** A study on the *Malus florentina* (Zuccagni) C.K. Schneid. populations in the Abbadia di Fiastra (MC) Natural reserve with insight on the main ecological drivers responsible for their current structural pattern.

16:45 Break

17:00 **Round table discussion: Forest fires** - Coordinator: Emmanuele Farris

**The round table is open to non-members of the Congress until the maximum number of participants is reached.**

Guests:

**Davide Ascoli** – Forest Ecology and Management, Univ. Torino, Società Italiana di Selvicoltura ed Ecologia Forestale (SISEF)

**Romeo Di Pietro** - Plant ecology, Sapienza Univ. Roma

**Diego Loi** – Mayor of the Municipality of Santulussurgiu (OR) and President of the Union of Municipalities of Montiferru

**Giuseppe Marzano** - President of Circeo National Park and Forestry Manager of Monti Aurunci Natural Park

**Stefano Mazzoleni** – Plant Ecology, Univ. Napoli Federico II, Comm. Grandi Rischi Prot. civile

**Cristina Nadotti** – Journalist, Green & Blue, La Repubblica

**Pier Paolo Roggero** – Agronomy, Univ. Sassari

18:30 **Poster session**

**WEDNESDAY, 29 September 2021**

## 9.00 Critical interpretation of EuroVegChecklist with possible new syntaxonomical proposals for the Italian high-rank syntaxa - Chair: Romeo Di Pietro

**Theurillat J.-P., Willner W., Fernández-González F., Bültmann H., Čarni A., Gigante D., Mucina L.** About the 4th edition of the International Code of Phytosociological Nomenclature.

**Alegro A.** Where does Cratoneurion belong? An attempt to answer based on the tufa waterfalls in Croatia.

**Ciaschetti G., Pirone G., Praleskouskaya S., Trivellone V., Venanzoni R.** Mowed meadows of the *Molinio-Arrhenatheretea* class in Central Italy.

**Poldini L., Tasinazzo S., Vidali M.** Is the current syntaxonomic classification of the sub-Mediterranean oak-hornbeam thermophilous forests able to encompass the high coenological diversity of south-eastern Europe?

**Terzi M., Di Pietro R., Theurillat J.-P.** Nomenclatural revision for the *Festuco hystricis-Ononidetea striatae* and *Rumici-Astragaletea siculi* in Italy.

## 10:45 Break

## 11:00 Free session - Chair: Marco Caccianiga

**Bricca A., Carranza L.M., Varricchione M., Cutini M., Stanisci A.** Investigating functional diversity and redundancy of Mediterranean high-mountain vegetation types in the Apennines.

**De Toma A., Carboni M., Bazzichetto M., Malavasi M., Cutini M.** Alpine shrub encroachment in the central Apennines: current patterns and temporal trends.

**Di Musciano M., Theurillat J. P., Cutini M., Iocchi M., Ricci L., Zannini P., Chiarucci A., Frattaroli A. R.** Pattern and drivers of plant beta diversity along an elevational gradient of Central Apennines – (Italy).

**Fanfarillo E., Zangari G., Kůzmič F., Fiaschi T., Bonari G., Angiolini C.** Surveying roadsides: *Sorghum halepense*-dominated vegetation in peninsular Italy.

**Gheza G., Di Nuzzo L., Vallese C., Barcella M., Benesperi R., Giordani P., Nascimbene J., Assini S.** Morphological and chemical traits of *Cladonia* lichens respond to vegetation dynamics and other environmental factors in acidic dry grasslands.

**Mugnai M., Hurtado P., Di Nuzzo L., Balzani P., Frasconi Wendt C., Beltramini A., Ferretti G., Viciani D., Benesperi R., Lazzaro L.** Relationships among vascular plants, mosses and lichens in grasslands communities along elevational gradients.

## 13:00 Break

## 14:00 Critical interpretation and new proposals for the Manual of European Union Habitats - Chair: Daniela Gigante

**Bagella S., Angelini F., Angiolini C., Bonini F., Caccianiga M., De Simone L., Gabellini A., Gigante D., Maccherini S., Riviaccio G., Valle B., Garabini M.** A new challenge from Artificial Intelligence: Robotic European Union habitats monitoring.

**Sperandii M.G., Bazzichetto M., Malavasi M., Bartàk V., Carboni M., de Bello F., Acosta A.T.R.** Drivers of temporal changes in Mediterranean coastal dune habitats.

**Pesaresi S., Mancini A., Quattrini G., Casavecchia S.** Remote sensing time series and Functional

Principal Component Analysis: a new promising approach for habitats mapping and monitoring.

**Strumia S., Santangelo A., de Filippo G.** Application of the Directive 92/43/EEC: the Monitoring Plan of the Campania Region.

**Carli E., Casella L., Cervellini M., Chiarucci A., Angelini P.** Open issues on the identification and effective indicators definition of Habitats.

**Gangale C., Bernardo L., Uzunov D.** Critical interpretation of habitat 6210 “semi-natural dry grasslands and scrubland facies on calcareous substrates (*Festuco-Brometalia*)” in Calabria.

16:00 Break

**Sciandrello S., Cambria S., Crisafulli A., Giusso del Galdo G., Minissale P., Musarella C.M., Puglisi M., Tavilla G., Tomaselli V., Spampinato G.** A new habitat of the shady wet cliffs (*Adiantetea capilliveneris*) of the Mediterranean region

**Guarino R., Bazan G., Crisafulli A., Caldarella O., Giusso Del Galdo G., Gristina A.S., La Mantia A., Marcenò C., Minissale P., Pasta S., Sciandrello S., Scuderi L., Spampinato G., Troia A., Gianguzzi L.** Critical interpretation of some Sicilian habitats in the Directive 92/43 EEC and new proposals for their reappraisal in the Manual of European Union Habitats

**Spampinato G., Tomaselli V., Forte L., Strumia S., Stinca A., Croce A., Fascetti S., Rosati L., Di Pietro R., Laface V.L.A., Musarella C.M.** Need for a revision of the habitats listed in Directive 92/43 EEC to safeguard the biodiversity of southern Italy

**Casavecchia S., Ciaschetti G., Gigante D., Viciani D., Allegrezza M.** Proposal for additions to Annex I of Directive 92/43/EEC with new habitats worthy of conservation for central Italy

**Bagella S., Bacchetta G., Caria M.C., Cogoni D., Farris E., Fenu G., Fois M., Manca M., Pinna S., Pisanu S., Riviaccio G.** Neglected vegetation in Sardinia: what possibilities to be considered in Annex I of the Habitats Directive?

18:00 Closing the 54th SISV Congress

18:30 SISV Business Meeting