

## Ing. Gianluigi Pirrera

Ingegneria Idraulica e Naturalistica

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## PROFILE

Born in Enna, Sicily, on 15 August 1957.

Hydraulic engineering graduation (Palermo University, 1982), Sanitary-environmental master (Naples Naples, 1983).

SWB (*Soil & Water Bioengineering*) Expert teacher member n. 8 and Vice President AIPIN (*Italian Association for Naturalistic Engineering* [www.aipin.it](http://www.aipin.it)), delegate of EFIB (*European Federation of Soil & Water Bioengineering* [www.efib.org](http://www.efib.org)) and delegate CATAP (*Coordination of Technical and Scientific Associations for the Environment and Landscape* [www.catap.eu](http://www.catap.eu)). He received an International Award in 2018 for SWB.



He is also national board member SIEP - Iale (*Società Italiana per l'Ecologia del Paesaggio – International Association Landscape Ecology*, [www.siep-iale.it/](http://www.siep-iale.it/)).

He has been working since 1983 in the areas of water, ecological restoration and environmental analysis (and also waste, land reclamation, artificial soils, desertification, environmental planning, green roof, ecological and urban landscape; renaturalization, water natural purification and wetlands) with a holistic approach.

For Soil & Water Bioengineering and Natural Purification he was a UN consultant for teaching in North Cyprus.

Since 2019 he has been a member of the UREGA *Sicilian Jury Committee* for public procurement in the fields of Waste, Hydrogeological Risk and Installations.

From 2012 to 2023 he was a member of the *Sicilian Regional Observatory for Landscape Quality*.

He has managed several European projects including two EU LIFE: the priority plant species of the Aeolian Islands and another one about coastal urbanization.

Among other projects from 2009 - 2021 interventions of *renaturalization and wild life management in the wetlands of the oasis WWF Bosco di Vanzago* (Milan), environmental compensation for EXPO 2015, also directing ecological monitoring.

He has conducted research on the technical green: biotechnics (Mediterranean species for the reclamation and renaturation of landfills, green roofs and vegetative barriers); ancient landscape in archaeological areas and urban landscape, industrial ecology and NbS (*Nature based Solutions*), especially for techno-soils and technogenic soils using vegetable waste, seagrass and excavated land.

Since 2012 he has got 8 Landscape and Soil & Water Bioengineering Awards including: **International SWB Soil & Water Engineering Award EFIB-ECOMED** (Madrid, 23 November 2018) for Technology Soils and Desertification and the Mention for **Agritecture & Landscape EXPO Milano 2015** for "Danisinni: Agritecture & Culture" (published at the Biennale del Paesaggio in Barcelona).

He has several publications including, since 2004, 6 books on *wetlands, biotechnical shrub roots, Soil & Water Bioengineering, Environmental Analysis, Urban and Mediterranean landscape*.

From 2005 to 2013 **lecturer** of Soil & Water Bioengineering and Environmental Impact Assessment in II level Masters (including Environmental Law and R.A.I.N. Environmental Recovery and Naturalistic Engineering) and graduate courses by Palermo University (Agriculture, Architecture, Law and Natural Sciences Departments). Since 2004 he has been carrying out training activities for professional associations and international organizations in Brazil, Cyprus, Malta, Mauritius, Mexico and Spain and is speaker at ecological restoration and landscape conferences.

Link: <http://www.biocitysrl.com/>  
<http://www.houzz.it/pro/gianluigipirrera-biocity>

Palermo, 20 July 2023



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## Awards

- ✓ 2022 **International Soil & Water Bioengineering Award "Giuliano Sauli"** (S. Agata di Militello, 24 September 2022), edited by AIPIN – Natural Nebrodi Park – Palermo University; [www.aipin.it/premio-internazionale-di-ingegneria-naturalistica-giuliano-sauli-edizione-2022-gioia-gibelli-giuseppe-gisotti-e-gianluigi-pirrera/](http://www.aipin.it/premio-internazionale-di-ingegneria-naturalistica-giuliano-sauli-edizione-2022-gioia-gibelli-giuseppe-gisotti-e-gianluigi-pirrera/). It was a career award 3th Edition
- ✓ 2022 **ECotechGreen Award** (Milan, 22 April 2022) Second prize for the project "RIVITE", (JOINT UNIVERSITIES' PROGRAM FOR POC (JUMP ENHANCEMENT PROGRAM) for a technique circular economy: the reuse of "vine pruning bricks" fill with seagrass compost and seed for Soil Bioengineering land stabilization.
- ✓ 2018 **International Award SWB Soil & Water Engineering EFIB-ECOMED** (Madrid, 23 November 18), for work and studies on desertification (biorolls) and technological soil (with vegetable waste Seagrass compost and excavation land), at Madrid Polytechnic by [www.ecomedbio.eu](http://www.ecomedbio.eu) and [www.efib.org](http://www.efib.org) (European Federation for Soil Bioengineering);
- ✓ 2015 **Mention Agritecture & Landscape EXPO** (Milan 2015) for "Danisinni: Agritecture & Culture" (exposed at the Biennale del Paesaggio in Barcelona);
- ✓ 2014 2nd **Prize P.A.N. (Landscape, Architecture, Nature)** Ardito Desio for Danisinni RI.DE. and Papyrus Plant in the Papireto exhumed
- ✓ 2012 Mention for **Città per il Verde 2012** with Ragusa Cultural Heritage Superintendence for the consolidation of a rocky ridge with Soil Bioengineering interventions in the Cava d'Ispica Archaeological Park.
- ✓ 2010 3rd **Prize P.A.N. (Landscape, Architecture, Nature)** Ardito Desio Scientific relevance and design for *Lacus Kamerinensis and mouth of the Hipparis: illusion or hope of recovery archeo naturalistic for Camarina*
- ✓ 2008 Mention for **Città per il Verde 2008** with Municipality of Villarosa, for the River Oasis Valle del Morello
- ✓ 2004 Member of the AIPIN list of expert teachers on soil & water bioengineering



Agritecture & Landscape



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## Technical books (in Italian)

- ✓ 2016 ***Infrastrutture verdi e Partecipazione sociale - un modello bioispirato di rigenerazione urbana*** Green Infrastructure and Social Participation - a bioinspired model of urban regeneration



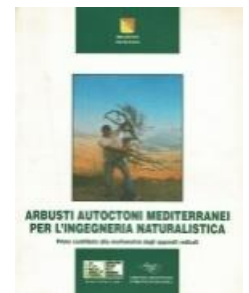
- ✓ 2014 ***Ingegneria Naturalistica e Paesaggio Mediterraneo*** Natural Engineering and Mediterranean Landscape

- ✓ 2013 ***Funzionalità sostenibile delle opere a basso impatto ambientale*** Sustainable functionality of low environmental impact works

- ✓ 2010 ***Abaco delle tecniche e prezzo per l'ingegneria naturalistica*** Abacus of techniques and price for naturalistic engineering



- ✓ 2008 ***Arbusti autoctoni mediterranei per l'ingegneria naturalistica*** Mediterranean native shrubs for naturalistic engineering



- ✓ 2005 ***Rinaturazione di aree umide*** Ecological Restoration of wetlands

