

**Lisa Brancaleoni Herbarium FER Curator – University of Ferrara**

Address: via La Marmora, 13 44021 Codigoro, (Fe), Italy

Born: 20 November 1973

E-mail: [erbario@unife.it](mailto:erbario@unife.it) [bcl@unife.it](mailto:bcl@unife.it)

Botanical Garden and Herbarium 32, C.so Ercole I D'Este 44121 Ferrara, Italy

Phone: +39 0532 293802

**Education**

18/12/1998: Degree in Natural Science, University of Ferrara (Italy)

2000/2001: Visiting researcher at "Centro Austral de Investigaciones Cientificas (C.A.D.I.C.) Ushuaia – Tierra del Fuego – Argentina"

2001: Environmental Guide license

2002: Research fellowship, Department of Natural and Cultural Resources, University of Ferrara

2003: Visiting researcher at Helsinki University

2006: PhD in Biological Systems: Structure, Function and Evolution

2007/2013: Research Fellowship, Department of Biology and Evolution, University of Ferrara

From 2014: Herbarium Curator – University of Ferrara

**Teaching contracts**

2011: Plant conservation; Geobotany; Geobotany laboratory – University of Ferrara

2009-2011: Parks, Natural areas and Botanical Gardens, degree course in Environmental and Cultural Science, University of Ferrara

2006-2008: Paleobotany, degree course in Natural Science, University of Ferrara

2005-2006: Quaternary vegetation, degree course in Prehistory Science, University of Ferrara

2002: Italian Vascular Flora, degree course in Natural Science, University of Ferrara

**Technical qualifications**

IRGA field measurements of CO<sub>2</sub> fluxes (LICOR 800, LCA4)

Plant cover (point-intercept method)

Vegetation sampling (biomass, production, LAI, VWC, etc.)

Nutrient analysis

Field experiment

**Research interests**

Plant ecology, particularly heathland and peatland vegetation and global change issues; botanical gardens and herbaria.

**Other information**

Laboratory assistant (Plant taxonomy, Vegetation ecology)

**Languages**

Basic English  
Basic French  
Basic German

### Other info

Laboratories, lessons and education activities about all the aspects of botany dedicated to different school grades

### Publications

- Gerdol R., Brancaleoni L., Menghini M. & Marchesini R. 2000. Response of dwarf shrubs to neighbour removal and nutrient addition and their influence on community structure in a subalpine heath. *Journal of Ecology* 88: 1-12.
- Gerdol R., Brancaleoni L., Marchesini R. & Bragazza L. 2002. Nutrient and carbon relations in subalpine dwarf shrubs after neighbour removal of fertilization in northern Italy. *Oecologia* 130: 476-483.
- Brancaleoni L., Strelin J. & Gerdol R. 2003. Relationships between landscape morphology and vegetation pattern in subantarctic Andean tundra of Tierra del Fuego. *Polar Biology* 26: 404-410.
- Gerdol R., Petraglia A., Bragazza L. & Brancaleoni L. 2003. Effetti della fertilizzazione azotata sugli scambi di CO<sub>2</sub> in una torbiera delle Alpi italiane. In: Atti del Convegno Nazionale: Deposizioni atmosferiche in aree forestate italiane, a cura di Paoletti E. *Economia Montana - Linea Ecologica* 6: 58-62.
- Gerdol R., Anfodillo T., Gualmini M., Cannone N., Bragazza L. & Brancaleoni L. 2004. Biomass distribution of two subalpine dwarf shrubs with contrasting leaf habit in relation to soil moisture and soil nutrient. *Journal of Vegetation Science* 15: 457-464.
- Gerdol R., Bragazza L. & Brancaleoni L. 2005. Reduced *Sphagnum* growth under increasing nitrogen deposition: Nutrient imbalance or struggle for light? 7th International Conference on Acid Deposition, Prague (Czech Republic), June 12-17, 2005. Poster
- Gerdol R., Bragazza L. & Brancaleoni L. 2006. Microbial nitrogen cycling interacts with exogenous nitrogen supply in affecting growth of *Sphagnum papillosum*. *Environmental and Experimental Botany* 57: 1-8.
- Brancaleoni L. & Gerdol R. 2006. Recovery of subalpine dwarf shrub heath after neighbour removal and fertilization. *Plant Ecology* 183: 227-235
- Brancaleoni L., Gualmini M., Tomaselli M. & Gerdol R. 2007. Responses of subalpine dwarf-shrub heath to irrigation and fertilization. *Journal of Vegetation Science* 18: 337-344.
- Johannes H.C. Cornelissen, Peter M. van Bodegom, Rien Aerts, Terry V. Callaghan, Richard S.P. van Logtestijn, Juha Alatalo, F. Stuart Chapin, Renato Gerdol, Jon Gudmundsson, Dylan Gwynn-Jones, Anne E. Hartley, David S. Hik, Annika Hofgaard, Ingibjörg S. Jónsdóttir, Staffan Karlsson, Julia A. Klein, Jim Laundre, Borgthor Magnusson, Anders Michelsen, Ulf Molau, Vladimir G. Onipchenko, Helen M. Queded, Sylvi M. Sandvik, Inger K. Schmidt, Gus R. Shaver, Bjørn Solheim, Nadejda A. Soudzilovskaia, Anna Stenström, Anne Tolvanen, Ørjan Totland, Naoya Wada, Jeffrey M. Welker, Xinquan Zhao, Lisa Brancaleoni, Laura Brancaleoni, Miranda A.H. de Beus, Elisabeth J. Cooper, Linda Dalen, John Harte, Sarah E. Hobbie, Gerlof Hoefsloot, Annika Jägerbrand, Sven Jonasson, John A. Lee, Karin Lindblad, Jerry M. Melillo, Christopher Neill, Malcolm C. Press, Jelte Rozema, Matthias Zielke. 2007. Global negative vegetation feedback to climate warming responses of leaf litter decomposition rates in cold biomes. *Ecology Letters* 10: 619-627.
- Gerdol R., Petraglia A., Bragazza L., Iacumin P. & Brancaleoni L. 2007. Nitrogen deposition interacts with climate in affecting production and decomposition rates in *Sphagnum* mosses. *Global Change Biology* 13: 1810-1821.
- Gerdol R., Bragazza L. & Brancaleoni L. 2008. Heatwave 2003: high summer temperature, rather than experimental fertilization, affects vegetation and CO<sub>2</sub> exchange in an alpine bog. *New Phytologist* 179: 142-154

- Gerdol R., Pontin A., Tomaselli M., Bombonato L., Brancaleoni L., Gualmini M., Petraglia A., Siffi C., Gargini A. 2011. Hydrologic controls on water chemistry, vegetation and ecological patterns in two mires in the South-Eastern Alps (Italy). *Catena* 86: 86-97.
- Brancaleoni L. 2011. *L'Erbario*. In: Pancaldi S., Baldisserotto C., Ferroni L. & Pantaleoni L. *Fondamenti di Botanica Generale- Teoria e Pratica*. McGraw-Hill Milano pp. 1-339. Contributo on line [www.ateneonline.it/Pancaldi](http://www.ateneonline.it/Pancaldi)
- Chiericato A. R., Brugnatti M. A., Colombani P. & Brancaleoni L. 2011/2012. *L'Hortus siccus* del Liceo Ariosto: Progetto di Recupero e Valorizzazione degli Erbari Storici dell'Antico Gabinetto di Stiria Naturale del Regio Liceo. *Abitare l'Autonomia* 5-41:42.
- Brancaleoni L., Negrini F. & Gerdol R. 2012. L'Orto Botanico e l'Erbario di Ferrara. *Natural* 1 112: 66-73.
- Piccoli F., Pellizzari M., Brancaleoni L. & Alessandrini A. 2012. La Ricerca Floristica a Ferrara e il Ruolo degli Erbari. *Informatore Botanico Italiano* 44: 13-19.
- Bragazza L., Buttler A., Habermacher J., Brancaleoni L., Gerdol R., Fritze H., Hanajik P., Laiho R. & Johnson D. 2012. High nitrogen deposition alters the decomposition of bog plant litter and reduces carbon accumulation. *Global Change Biology* 10: 1163-1172
- Ercole S., Giacanelli V., Bertani G., Brancaleoni L., Croce A., Fabrini G., Gerdol R., Ghirelli L., Masin R., Mion D., Santangelo A., Sburlino G., Tomei P.E., Villani M. & Wagensommer R.P. (2013) *Kosteletzkya pentacarpos* (L.) Ledeb. In: Schede per una lista rossa della flora vascolare e crittogamica italiana. *Informatore Botanico Italiano* 45:115–193
- Brancaleoni L. & Gerdol R. 2014. Habitat-dependent interactive effects of a heatwave and experimental fertilization on the vegetation of an alpine mire. *Journal of Vegetation Science* 25: 427-438
- Fogli S., Brancaleoni L., Lambertini C. & Gerdol R. 2014. Mowing regime has different effects on reed stands in relation to habitat. *Journal of Environmental Management*. 134: 56-62
- Petraglia A., Tomaselli M., Mondoni A., Brancaleoni L. & Carbognani M. 2014. Effects of nitrogen and phosphorus supply on growth and flowering phenology of the snowbed forb *Gnaphalium supinum* L. *Flora* 209: 271-278
- Gerdol R. & Brancaleoni L. 2015. Slow recovery of mire vegetation from environmental perturbations caused by a heat wave and experimental fertilization. *Wetlands* 35:769-782
- Abeli T., Brancaleoni L., Marchesini R., Orsenigo S., Rossi G. & Gerdol R. 2017. Fertiliser application positively affects plants performance but reduces seed viability in seashore mallow (*Kosteletzkya pentacarpos*): implication for biomass production and species conservation. *Annals of Applied Biology* 170: 263-272
- Brancaleoni L., Gerdol R., Abeli T., Corli A., Rossi G. & Orsenigo S. 2018. Nursery pre-treatment positively affects reintroduced plant performance via plant pre-conditioning, but not via maternal effects. *Aquatic Conservation* 28: 641-650
- Gerdol R., Brancaleoni L., Lastrucci L., Nobili G., Pellizzari M., Ravaglioli M. & Viciani D. 2018. Wetland Plant Diversity in a Coastal Nature Reserve in Italy: Relationships with Salinization and Eutrophication and Implications for Nature Conservation. *Estuaries and Coasts* 41: 2079-2091

#### **Book translations:**

- 2004: Brancaleoni L.: Strasburger – Lehrbuch der Botanik – Vol. II. Edited by Gerdol R. Antonio Delfino Press
- 2008: Bragazza L. and Brancaleoni L.: Strasburger – Lehrbuch der Botanik – Vol. II. Edited by: Bragazza L. Antonio Delfino Press