

Simon PIERCE PhD

 INFORMAZIONI PERSONALI
 PERSONAL INFORMATION

Dipartimento di Scienze Agrarie e Ambientali - Produzione, Territorio, Agroenergia (DiSAA), Università degli Studi di Milano via Celoria 2, IT-20133, Milan, Italy
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 DICHIARAZIONE PERSONALE
 PERSONAL STATEMENT

- Ricercatore Universitario confermato, Botanica Ambientale e Applicata (BIO/03)
Lecturer, Environmental and Applied Botany (BIO/03)
- Abilitazione Scientifica Nazionale/*National Scientific Enablement* (D.D.1532/2016 Primo Quadrimestre, 06/04/2017 - 06/04/2023)
 - 1) 05/A1 Botanica (I Fascia)
 - 2) 05/A1 Botanica (II Fascia)
 - 3) 05/C1 Ecologia (II Fascia)
- Hirsch index (scopus.com): **19**, 1607 citations.
- Esperienza editoriale/*Editorial experience*:
[Scientific Reports - Nature](#) (Editorial Board Member, Ecology & Evolutionary Biology),
[Seeds](#) (Associate Editor),
[Sci](#) (Advisory board member).
- Esperienza in qualità di reviewer/*Peer review experience*:
 65 review per 36 riviste/65 reviews for 36 journals ([Publons](#))
- Autore Botanico abbreviazione standard/*Botanical Authority standard abbreviation*: [S.Pierce](#)
- Progetti/projects:
[FraGenziane](#),
[What is life?](#)
[Erisimo a Milano](#) (Singer's Plant)
[Project ORCHIS](#)
 Integrated management of *Striga* species on cereal crops in Tanzania (FAO: [1,2](#))

 ESPERIENZA PROFESSIONALE
 PROFESSIONAL EXPERIENCE

Ottobre 2011 - Presente
 October 2011 - Present

Ricercatore / Lecturer

Botanica Ambientale e Applicata (BIO/03) / *Applied and Environmental Botany*
 (conferma in ruolo/tenure gained: 10/02/2015)

Dipartimento di Scienze Agrarie e Ambientali - Produzione, Territorio, Agroenergia (DiSAA)/*Department of Agricultural and Environmental Sciences - Production, Territory, Agroenergy, University of Milan, Italy*

- Presidente del corso di Biologia/*President of the course of Biology*
 CdL Agrotecnologie per l'Ambiente e il Territorio (classe L-25 G260IC)
- Professore Aggregato/*Adjunct Professor*:
 - Biologia unità 1: Botanica Agraria/*Biology unit 1: Agricultural Botany* CdL Agrotecnologie per l'Ambiente e il Territorio (classe L-25 G260IC) in lingua Italiana/*in the Italian language* (4 CFU)

- **Applied Agricultural English**
(corso opzionale per tre CdS, classe lm-69 [G58] e classe lm-73 [G57])
in lingua Inglese/*in the English language* (3 CFU)
- **Laboratorio Territoriale - Biodiversità e Paesaggio/Field Laboratory - Biodiversity and Landscape**
Scienze agroambientali (classe lm-73 [G57])
in lingua Italiana/*in the Italian language* (4 CFU)
- **Corso di dottorato/Doctoral school:**
teaching board member, "[Agricoltura, ambiente e bioenergia](#)"

Giugno 2009 – Maggio 2011
June 2009 – May 2011

Contratto di lavoro subordinato a tempo determinato per attività di ricerca e di didattica integrativa (SSD: BIO/03)/ Fixed-term integrated research and teaching contract Dipartimento di Biologia Strutturale e Funzionale, Università degli Studi dell'Insubria, Varese, Italia.

Luglio 2003 – Gen. 2009
July 2003 – Jan. 2009

Assegni di ricerca (SSD: BIO/03)/Research fellowships Università degli Studi dell'Insubria, Varese, Italia.

Giugno 2001 – Marzo 2003
June 2001 – March 2003

Assegno di ricerca/Research fellowship
University of Sheffield, UK; Sustainable Agriculture Group, Natural Resources Institute (NRI), UK. "The responses of maize and sorghum cultivars to infection by Striga asiatica and S. hermonthica under differing conditions of nitrogen availability"
• Supervisori/Supervisors: Prof. Malcolm C. Press (Sheffield) and Charlie Riches (NRI),
• Finanziato dal/financed by Department for International Development (DIFD), UK.

Febbraio 1999 – Feb. 2001
February 1999 – Feb. 2001

Assegno di ricerca/Research fellowship
University of Cambridge, UK; Smithsonian Tropical Research Institute (STRI), Republic of Panama. "Photosynthetic pathways in the Bromeliaceae of Panama: relations between lifeforms, exposure within the canopy, and capacity to tolerate light and water stress"
• Supervisori/Supervisors: Prof. Howard Griffiths (Cambridge), Prof. Dr. Klaus Wnter (STRI),
• Finanziato dal/financed by the Andrew W. Mellon Foundation, USA.

ISTRUZIONE E FORMAZIONE INSTRUCTION AND FORMATION

Ottobre 1995 – Luglio 1999
October 1995 – July 1999

Doctor of Philosophy (Ph.D.)
University of Durham, UK

Dottorato di Ricerca, conseguito il 02/07/1999. Finanziamento della borsa di studio da parte del Dipartimento di Scienze Biologiche dell'Università di Durham e dell'Istituto di Ecologia Terrestre (Governo Britannico).

Doctor of Philosophy, conferred 02/07/1999. Financed by a scholarship from the Department of Biological Sciences, University of Durham, UK and the Institute of Terrestrial Ecology

[Pierce, S. \(1999\) Resource Allocation in the Pseudoviviparous Alpine Meadow Grass \(Poa alpina L.\). Doctoral thesis, University of Durham, UK.](#)

Ottobre 1992 – Giugno 1995
October 1992 – June 1995

Bachelor of Science with Honours (B.Sc., Hons.) in Plant Biology
University of Wales, Bangor, UK

Laurea in Biologia Vegetale (B.Sc.) presso l'Università del Galles, Bangor, Regno Unito, conseguito il 19/07/1995, con la votazione di '2i'.

Bachelor of Science with Honours (B.Sc., Hons.) in Plant Biology, University of Wales, Bangor, UK, conferred 19/07/1995, with a grade of '2i'.

[Pierce, S. \(1995\) The Developmental Anatomy of Cecropia species \(Moraceae\) in Relation to Ant Symbiosis. Unpublished Honours thesis, University of Wales, Bangor, UK](#)

COMPETENZE PERSONALI
 PERSONAL SKILLS

 Lingua madre
 Mother tongue

Inglese/English

 Altre lingue
 Other languages

Italiano/Italian

COMPRESIONE / COMPREHENSION		PARLATO / SPOKEN		PRODUZIONE SCRITTA / WRITTEN WORK
Ascolto / Listening	Lettura / Reading	Interazione / Interaction	Produzione orale / Oral work	
C2*	C2*	C2*	C1*	C1*

*Autovalutazione/Self-evaluation

 Corso di Italiano per Stranieri organizzato dal Comune di Saronno presso la scuola media 'A. Bascapè', Via Ramazzotti 23, Saronno (VA), settembre 2003 – giugno 2004 (10 ore settimanali) + 15 anni di esperienza *in situ*.

 Patente di guida
 Driving licence

Patente di guida EU (Repubblica Italiana) valida, categorie B e BE.

Valid EU driving licence issued by the Republic of Italy, categories B and BE.

 ULTERIORI INFORMAZIONI
 FURTHER INFORMATION

 Pubblicazioni
 Publications

83 articoli: 55 peer-review + 28 editor review

Pubblicazioni più significativi (vedi allegati per l'elenco completo)

Selected publications (see attachments for full list)

- Díaz, S., Kattge, J., Cornelissen, J.H.C., Wright, I.J., Lavorel, S., Dray, S., Reu, B., Kleyer, M., Wirth, C., Prentice, I.C., Garnier, E., Bönsch, G., Westoby, M., Poorter, H., Reich, P.B., Moles, A.T., Dickie, J., Gillison, A.N., Zanne, A.E., Chave, J., Wright, S.J., Sheremet'ev, S.N., Jactel, H., Baraloto, C., Cerabolini, B., **Pierce, S. et al.** (2016) The global spectrum of plant form and function. [Nature, 529, 167-171.](#)
- Fridley, J.D., Grime, J.P., Huston, M.A., **Pierce, S.**, Smart, S.M., Thompson, K., Börger, L., Brooker, R.W., Cerabolini, B.E.L., Gross, N., Liancourt, P., Michalet, R. & Le Bagousse-Pinguet, Y. (2012) Comment on Productivity is a poor predictor of plant species richness. [Science, 335\(6075\), 1441.](#)
- Grime, J.P. & **Pierce, S.** (2012) *The Evolutionary Strategies that Shape Ecosystems*. Wiley-Blackwell, Chichester, UK. pp. 264. [ISBN: 978-0470674819.](#)
- Pierce, S.**, Negreiros, D., Cerabolini, B.E.L., Kattge, J., Díaz, S., Kleyer, M., Shipley, B., Wright, S.J., Soudzilovskaia, N.A., Onipchenko, V.G., van Bodegom, P.M., Frenette-Dussault, C., Weiher, E., Pinho, B.X., Cornelissen, J.H.C., Grime, J.P., Thompson, K., Hunt, R., Wilson, P.J., Buffa, G., Nyakunga, O.C., Reich, P.B., Caccianiga, M., Mangili, F., Ceriani, R.M., Luzzaro, A., Brusa, G., Siefert, A., Barbosa, N.P.U., Chapin III, F.S., Cornwell, W.K., Fang, J., Fernandes, G.W., Garnier, E., Le Stradic, S., Peñuelas, J., Melo, F.P.L., Slaviero, A., Tabarelli, M. & Tampucci, D. (2017) A global method for calculating plant CSR ecological strategies applied across biomes worldwide. [Functional Ecology, 31\(2\), 444-457.](#)
- Pierce, S.**, Spada, A., Caporali, E., Puglisi, F., Panzeri, A., Luzzaro, A., Cislighi, S., Mantegazza, L., Cardarelli, E., Labra, M., Galimberti, A. & Ceriani, R.M. (2018) Identifying population thresholds for flowering plant reproductive success: the marsh gentian (*Gentiana pneumonanthe*) as a flagship species of humid meadows and heathland. [Biodiversity and Conservation, 27, 891-905.](#)

 ALLEGATI
 ATTACHMENTS

- Full list of scientific publications and presentations at international scientific conferences

Full list of scientific publications

PEER-REVIEWED PAPERS LISTED ON SCOPUS.COM:

- Caccianiga, M., Luzzaro, A., Pierce, S., Ceriani, R.M. & Cerabolini, B. (2006) The functional basis of a primary succession resolved by CSR classification. *Oikos*, **112**, 10-20.
- Caporali, E., Testolin, R., Pierce, S. & Spada, A. (2019) Sex change in kiwifruit (*Actinidia chinensis* Planch.): a developmental framework for the bisexual to unisexual floral transition. *Plant Reproduction* (in press).
- Cerabolini, B., De Andreis, R., Ceriani, R.M., Pierce, S. & Raimondi, B. (2004) Seed germination and conservation of endangered species from the Italian Alps: *Physoplexis comosa* and *Primula glaucescens*. *Biological Conservation*, **117**, 351-356.
- Cerabolini, B.E.L., Brusa, G., Ceriani, R.M., Armiraglio, S., De Molli, C., Pierce, S. (2017) Ecology and floristic composition of heathlands in the Po basin and the Southern Alps (NW Italy). *Botany Letters*, **164**(4), 433-444.
- Cerabolini, B.E.L., Brusa, G., Ceriani, R.M., De Andreis, R., Luzzaro, A. & Pierce, S. (2010) Can CSR classification be generally applied outside Britain? *Plant Ecology*, **210**, 253-261.
- Cerabolini, B., Pierce, S., Luzzaro, A. & Ossola, A. (2010) Species evenness affects ecosystem processes *in situ* via diversity in the adaptive strategies of dominant species. *Plant Ecology*, **207**(2), 333-345.
- Cerabolini, B.E.L., Pierce, S., Verginella, A., Brusa, G., Ceriani, R.M. & Armiraglio, S. (2016) Why are many anthropogenic agroecosystems particularly species-rich? *Plant Biosystems*, **150**(3), 550-557.
- Ceriani, R.M., Pierce, S. & Cerabolini, B. (2008) Are morpho-functional traits reliable indicators of inherent relative growth rate for prealpine calcareous grassland species? *Plant Biosystems*, **142**(1), 60-65.
- Ceriani, R.M., Pierce, S. & Cerabolini, B. (2009) The survival strategy of the alpine endemic *Primula glaucescens* is fundamentally unchanged throughout its climate envelope despite superficial phenotypic variability. *Plant Ecology*, **204**, 1-10.
- Chelli, S., Marignani, M., Barni, E., Petraglia, A., Puglielli, G., Wellstein, C., Acosta, A.T.R., Bolpagni, R., Bragazza, L., Campetella, G., Chiarucci, A., Conti, L., Nascimbene, J., Orsenigo, S., Pierce, S., Ricotta, C., Tardella, F.M., Abeli, T., Aronne, G., Bacaro, G., Bagella, S., Benesperi, R., Bernareggi, G., Bonanomi, G., Bricca, A., Brusa, G., Buffa, G., Burrascano, S., Caccianiga, M., Calabrese, V., Canullo, R., Carbognani, M., Carboni, M., Carranza, M.L., Catorci, A., Ciccarelli, D., Citterio, S., Cutini, M., Dalle Fratte, M., De Micco, V., Del Vecchio, S., Di Martino, L., Di Musciano, M., Fantinato, E., Filigheddu, R.S., Frattaroli, A.R., Gentili, R., Gerold, R., Giarrizzo, E., Giordani, P., Gratani, L., Incerti, G., Lussu, M., Mazzoleni, S., Mondoni, A., Montagnani, C., Montagnoli, A., Paura, B., Petruzzellis, F., Pisanu, S., Rossi, G., Sgarbi, E., Simonetti, E., Sinscalco, C., Slaviero, A., Stinca, A., Tomaselli, M., Cerabolini, B.E.L. (2019) Plant-environment interactions through a functional traits perspective: a review of Italian studies. *Plant Biosystems*, in press: doi: 10.1080/11263504.2018.1559250.
- Dalle Fratte, M., Brusa, G., Pierce, S., Zanzottera, M. & Cerabolini, B.E.L. (2019) Plant trait variation along environmental indicators to infer global change impacts. *Flora*, in press: doi: 10.1016/j.flora.2018.12.004
- Dayrell, R.L.C., Arruda, A.J., Pierce, S., Negreiros, D., Meyer, P.B., Lambers, H., Silveira, F.A.O. (2018) Ontogenetic shifts in plant ecological strategies. *Functional Ecology*, **32**, 2730-2741.
- Del Vecchio, S., Pierce, S., Fantinato, E. & Buffa, G. (2019) Increasing the germination percentage of a declining native orchid (*Himantoglossum adriaticum*) by pollen transfer and outbreeding between populations. *Plant Biology* (in press).
- Diaz, S., Kattge, J., Cornelissen, J.H.C., Wright, I.J., Lavorel, S., Dray, S., Reu, B., Kleyer, M., Wirth, C., Prentice, I.C., Garnier, E., Bönsch, G., Westoby, M., Poorter, H., Reich, P.B., Moles, A.T., Dickie, J., Gillison, A.N., Zanne, A.E., Chave, J., Wright, S.J., Sheremet'ev, S.N., Jactel, H., Baraloto, C., Cerabolini, B., Pierce, S., Shipley, B., Kirkup, D., Casanoves, F., Joswig, J.S., Günther, A., Falczuk, V., Rüger, N., Mahecha, M.D. & Gorné, L.D. (2016) The global spectrum of plant form and function. *Nature*, **529**, 167-171.
- Flores O., Garnier E., Wright I.J., Reich P.B., Pierce S., et al. (2014) An evolutionary perspective on leaf economics in vascular plants: phylogenetic patterns in LMA. *Ecology and Evolution*, **4**(14), 2799-2811.
- Fridley, J.D., Grime, J.P., Huston, M.A., Pierce, S., Smart, S.M., Thompson, K., Börger, L., Brooker, R.W., Cerabolini, B.E.L., Gross, N., Liancourt, P., Michalet, R. & Le Bagousse-Pinguet, Y. (2012) Comment on 'Productivity is a poor predictor of plant species richness'. *Science*, **335**(6075), 1441.
- Gobbi, M., Caccianiga, M., Cerabolini, B., De Bernardi, F., Luzzaro, A. & Pierce, S. (2010) Plant adaptive responses during primary succession are associated with functional adaptations in ground beetles on deglaciated terrain. *Community Ecology*, **11**(2), 223-231.
- Guo W.-Y., van Kleunen, M., Winter, M., Weigelt, P., Stein, A., Pierce, S., Pergl, J., Moser, D., Maurel, N., Lenzner, B., Kreft, H., Essl, F., Dawson, W. & Pyšek, P. (2018) The role of adaptive strategies in plant naturalization. *Ecology Letters*, **21**(9), 1380-1389.
- Guo, W.-Y., van Kleunen, M., Pierce, S., Dawson, W., Essl, F., Kreft, H., Maurel, N., Pergl, J., Weigelt, P., Winter, M. & Pyšek (2019) Domestic gardens play a dominant role in selection alien species with adaptive strategies that facilitate naturalization. *Global Ecology and Biogeography*, in press: doi: 10.1111/geb.12882.
- Hodgson, J.G., Sharafi, M., Jalili, A., Diaz, S., Montserrat-Marti, G., Palmer, C., Cerabolini, B., Pierce, S. et al. (2010) Stomatal vs. genome size in angiosperms: the somatic tail wagging the genomic dog? *Annals of Botany*, **105**, 573-584.
- Ilves, A., Metsare, M., Seliskar, A., Garcia, M.B., Vassiliou, L., Pierce, S., Tatarenko, I., Tali, K., & Kull, T. (2016) Genetic diversity patterns of the orchid *Anacamptis pyramidalis* at the edges of its distribution range. *Plant Systematics & Evolution*, **302**, 1227-1238.
- Iriti, M., Scarafoni, A., Pierce, S., Castorina, G. & Vitalini, S. (2019) Soil application of Effective Microorganisms (EM) maintains leaf photosynthetic efficiency, increases seed yield and quality of bean (*Phaseolus vulgaris* L.) plants grown on different substrates. *International Journal of Molecular Sciences*, **20**(9), in press.
- Jenkins, D. & Pierce, S. (2017) General allometric scaling of net primary production agrees with plant adaptive strategy theory and has tipping points. *Journal of Ecology*, **105**(4), 1094-1104.
- Jensen, S.R., Götfredsen, C.H. & Pierce, S. (2007) Iridoid glucosides of *Paederota bonarota* and the relationships between *Paederota* and *Veronica*. II. *Biochemical Systematics and Evolution*, **35**(8), 501-505.
- Kattenborn, T., Fassnacht, F.E., Pierce, S., Lopatin, J., Grime, J.P. & Schmidlein, S. (2017) Linking plant strategies and plant traits derived by radiative transfer modelling. *Journal of Vegetation Science*, **28**(4), 717-727.
- Montagna, M., Berruti, A., Bianciotto, V., Cremonesi, P., Giannico, R., Gusmeroli, F., Lumini, E., Pierce, S., Pizzi, F., Turri, F. & Gandini, G. (2018) Differential biodiversity responses between kingdoms (plants, fungi, bacteria and metazoa) along an Alpine succession gradient. *Molecular Ecology*, **27**, 3671-3685.
- Pierce, S. (2014) Implications for biodiversity conservation of the lack of consensus regarding the humped-back model of species richness and biomass production. *Functional Ecology*, **28**, 253-257.
- Pierce, S. & Cerabolini, B.E.L. (2011) Asymbiotic germination of the White Mountain Orchid (*Pseudorchis albida*) from immature seed on media enriched with complex organics or phytohormones. *Seed Science & Technology*, **39**, 199-203.
- Pierce, S., Bottinelli, A., Bassani, I., Ceriani, R.M. & Cerabolini, B.E.L. (2014) How well do seed production traits correlate with leaf traits, whole plant traits and plant ecological strategies? *Plant Ecology*, **215**, 1351-1359.
- Pierce, S., Brusa, G., Sartori, M. & Cerabolini, B.E.L. (2012) Combined use of leaf size and economics traits allows direct comparison of hydrophyte and terrestrial herbaceous adaptive strategies. *Annals of Botany*, **109**(5), 1047-1053.
- Pierce, S., Brusa, G., Vagge, I. & Cerabolini, B.E.L. (2013) Allocating CSR plant functional types: the use of leaf economics and size traits to classify woody and herbaceous vascular plants. *Functional Ecology*, **27**(4), 1002-1010.
- Pierce, S., Ceriani, R.M., Villa, M. & Cerabolini, B. (2006) Quantifying relative extinction risks and targeting intervention for the orchid flora of a natural park in the European pre-alps. *Conservation Biology*, **20**(6), 1804-1810.
- Pierce, S., Ceriani, R.M., De Andreis, R., Luzzaro, A. & Cerabolini, B. (2007) The leaf economics spectrum of Poaceae reflects variation in survival strategies. *Plant Biosystems*, **141**(3), 337-343.
- Pierce, S., Ferrario, A. & Cerabolini, B. (2010) Outbreeding and asymbiotic germination in the conservation of the endangered Italian endemic orchid *Ophrys benacensis*. *Plant Biosystems*, **144**(1), 121-127.
- Pierce, S., Guidi, V., Ferrario, A., Ceriani, R.M., Labra, M., Vagge, I. & Cerabolini, B.E.L. (2015) Pea seed extracts stimulate germination of the terrestrial orchid *Ophrys apifera* Huds. during a habitat restoration project. *Plant Biosystems*, **149**(1), 54-60.
- Pierce, S., Luzzaro, A., Caccianiga, M., Ceriani, R.M. & Cerabolini, B. (2007) Disturbance is the principal α -scale filter determining niche differentiation, coexistence and biodiversity in an alpine community. *Journal of Ecology*, **95**, 698-706.
- Pierce, S., Mbwaga, A.M., Press, M.C. & Scholes, J.D. (2003) Xenogonin production and tolerance to *Striga asiatica* infection of high-yielding maize cultivars. *Weed Research*, **43**(2), 139-145.
- Pierce, S., Maxwell, K., Griffiths, H. & Winter, K. (2001) Hydrophobic trichome layers and epicuticular wax powders in Bromeliaceae. *American Journal of Botany*, **88**(8), 1371-1389.
- Pierce, S., Negreiros, D., Cerabolini, B.E.L., Kattge, J., Diaz, S., Kleyer, M., Shipley, B., Wright, S.J., Soudzilovskaia, N.A., Onipchenko, V.G., van Bodegom, P.M., Frenette-Dussault, C., Weiher, E., Pinho, B.X., Cornelissen, J.H.C., Grime, J.P., Thompson, K., Hunt, R., Wilson, P.J., Buffa, G., Nyakunga, O.C., Reich, P.B., Caccianiga, M., Mangili, F., Ceriani, R.M., Luzzaro, A., Brusa, G., Siefert, A., Barbosa, N.P.U., Chapin III, F.S., Cornwell, W.K., Fang, J., Fernandes, G.W., Garnier, E., Le Stradic, S., Peñuelas, J., Melo, F.R.L., Slaviero, A., Tabarelli, M., Tampucci, D. (2017) A global method for calculating plant CSR ecological strategies applied across biomes worldwide. *Functional Ecology*, **31**(2), 444-457.
- Pierce, S., Spada, A., Caporali, E., Ceriani, R.M., Buffa, G. (2018) Enzymatic scarification of *Anacamptis morio* (Orchidaceae) seed facilitates lignin degradation, water uptake and germination. *Plant Biology*, in press doi:10.1111/plb.12694
- Pierce, S., Spada, A., Caporali, E., Puglisi, F., Panzeri, A., Luzzaro, A., Cislighi, S., Mantegazza, L., Cardarelli, E., Labra, M., Galimberti, A., Ceriani, R.M. (2018) Identifying population thresholds for flowering plant reproductive success: the marsh gentian (*Gentiana pneumonanthe*) as a flagship species of humid meadows and heathland. *Biodiversity and Conservation*, **27**, 891-905. (<https://vimeo.com/241145178/0aa594360d>)
- Pierce, S., Stirling, C.M. & Baxter, R. (2000) Architectural and physiological heterogeneity within the synflorescence of the pseudoviviparous grass *Poa alpina* var. *vivipara* L. *Journal of Experimental Botany*, **51**(351), 1705-1712.
- Pierce, S., Stirling, C.M. & Baxter, R. (2000) The influence of secondary senescence processes within the culm of a pseudoviviparous grass (*Poa alpina* var. *vivipara* L.) on the supply of water to propagules. *Journal of Experimental Botany*, **51**(347), 1067-1075.
- Pierce, S., Stirling, C.M. & Baxter, R. (2003) Pseudoviviparous reproduction of *Poa alpina* var. *vivipara* L. (Poaceae) during long-term exposure to elevated CO₂. *Annals of Botany*, **91**(6), 613-622.
- Pierce, S., Vagge, I., Brusa, G. & Cerabolini, B.E.L. (2014) The intimacy between sexual traits and Grime's CSR strategies for orchids coexisting in semi-natural calcareous grassland at the Olive Lawn. *Plant Ecology*, **215**, 495-505.
- Pierce, S., Vianelli, A. & Cerabolini, B. (2005) From ancient genes to modern communities: the cellular stress response and the evolution of plant strategies. *Functional Ecology*, **19**(5), 763-776.
- Pierce, S., Winter, K. & Griffiths, H. (2002) Carbon isotope ratio and the extent of daily CAM use by Bromeliaceae. *New Phytologist*, **156**(1), 75-83.
- Pierce, S., Winter, K. & Griffiths, H. (2002) The role of CAM in high rainfall cloud forests: an *in situ* comparison of photosynthetic pathways in Bromeliaceae. *Plant, Cell & Environment*, **25**(9), 1181-1189.
- Pinho, B.X., Melo, F.P.L., Arroyo-Rodriguez, V., Pierce, S., Lohbeck, M. & Tabarelli, M. (2017) Soil-mediated filtering organics tree assemblages in regenerating tropical forests. *Journal of Ecology*, **106**, 137-147.
- Rank, C., Rasmussen, L.S., Jensen, S.R., Pierce, S., Press, M.C. & Scholes, J.D. (2004) Cytotoxic constituents of *Alectra* and *Striga* species. *Weed Research*, **44**, 265-270.
- Slaviero, S., Del Vecchio, S., Pierce, S., Fantinato, E. & Buffa, G. (2016) Plant community attributes affect dry grassland orchid establishment. *Plant Ecology*, **217**, 1533-1543.

MONOGRAPHS WITH AN ISBN:

- Grime, J.P. & Pierce, S. (2012) *The Evolutionary Strategies that Shape Ecosystems*. Wiley-Blackwell, Chichester, UK. pp. 264. ISBN: 978-0470674819 (hardcover), ISBN: 978-0470674826 (paperback).
- Pierce, S. (2011) *The Conservation of Terrestrial Orchids*. The Native Flora Centre of the Lombardy Region, Italy. ISBN 978-88-906196-0-1 (paperback), ISBN 978-88-906196-1-8 (Kindle eBook edition).

CHAPTERS IN BOOKS WITH AN ISBN:

- Magrini, S. & Pierce, S. (2016) Conservazione delle orchidee. In: Grunanger, P. (ed.) *Orchidee d'Italia: guida alle orchidee spontanee*. Gruppo Italiano per la Ricerca sulle Orchidee Spontanee. Il Castello. pp. 63-68. ISBN-10: 8865208015, ISBN-13: 978-8865208014 (in the Italian language).
- Pierce, S. & Ceriani, R.M. (2014) *In situ* conservation and population reinforcement of native orchids (*Conservazione in situ e rafforzamento di popolazioni di orchidee spontanee*). In: Magrini, S., Fonck, M., Zucconi, L. (eds.). *Esperienze di Conservazione delle Orchidee*. Orto Botanica della Toscana. pp. 33-38. ISBN: 978-88-909977-0-9 (in the Italian language).
- Pierce, S., Luzzaro, A. & Cerabolini, B.E.L. (2011) Taxonomy, morphology and ecology of medicinal plants: a botanical perspective. In: G. Bagetta, M.T. Corasaniti, M. Cosentino, S. Sakurada (eds.) *Herbal Medicines for Human Health*. Taylor & Francis, London, UK. ISBN 978-1439837689. pp. 7-26. ISBN: 978-1-4398-3768-9 (hardcover), ISBN: 978-1-4398-3769-6 (eBook).

EDITOR REVIEW PUBLICATIONS:

- Cardarelli, E., Ceriani, R.M., Della Rocca, F., Frezzini, L., Ghidelli, F., Mantegazza, R., Piazza, D., Pierce, S. & Puglisi, F. (2018) *Fragmented Gentiana pneumonanthe populations, habitats and associated fauna in local ecological network*. Parco Regionale del Monte Barro e Centro Flora Autoctona della Regione Lombardia, Italia.
- Cerabolini, B. & Pierce, S. (2007) Ethnobotany and conservation of biocultural diversity. In: Thomas J.S. Carlson and Luisa Maffi (eds.). *Language Problems and Language Planning*, 31(1), 83-86.
- Cerabolini, B.E.L., Brusa, G., Ossola, A. & Pierce, S. (2009) Ruolo della vegetazione spontanea nell'abbattimento dei gas serra in Lombardia. *Natura Bresciana, Ann. Mus. Civ. Sc. Nat. Brescia*, 36, 257-261.
- Ceriani, R.M., Pierce, S. & Cerabolini, B.E.L. (2009) La riqualificazione floristica del bosco delle querce di Seveso e Meda a Trent'anni dall'incidente dell'Icmesa. *Natura Bresciana, Ann. Mus. Civ. Sc. Nat. Brescia*, 36, 221-226.
- Luzzaro, A., Cerabolini, B., Caccianiga, M., Pierce, S. & Andreis, C. (2005) Strategie delle piante e tipi funzionali nello studio dinamica di vegetazione in ambienti periglaciale. *Informatore Botanico Italiano*, 37(1A), 224-225.
- Luzzaro, A., Caccianiga, M., Pierce, S. & Cerabolini, B. (2006) Dinamica di vegetazione in ambiente proglaciale alpino, due studi condotti nelle alpi italiane. *Terra Glacialis*, 9, 47-70.
- Ossola, A., Brusa, G., Pierce, S. & Cerabolini, B. (2007) Valutazione del ruolo dei Parchi lombardi ai fini del sequestro di carbonio. *Informatore Botanico Italiano*, 39 (2), 333-341.
- Pierce, S. (2000) The use of *Tillandsia* species in ritual adornment in Qosqo, Peru. *Journal of the Bromeliad Society*, 50(5), 195-201.
- Pierce, S. (2001) *Weruahia jenii*, a novel highland species. *Journal of the Bromeliad Society*, 51(5), 213-217.
- Pierce, S. (2003) Variegated foliage and photosynthesis. *Journal of the Bromeliad Society*, 53(5), 216-220, 240.
- Pierce, S. (2005) Repulsive vegetables: why do the surfaces of cabbage leaves repel water so superbly? *New Scientist*, 187(2507), 81.
- Pierce, S. (2007) Closing time. Why do some flowers close for the night? *New Scientist*, 195(2611), 77.
- Pierce, S. (2007) The jeweled armor of *Tillandsia* - multifaceted or elongated trichomes photoprotect leaf blades. *Aliso, Journal of the Rancho Santa Ana Botanic Garden*, 23, 44-52.
- Pierce, S. (2007) Leviathans of the cloud forest, epiphytic bromeliads with woody stems. *Journal of the Bromeliad Society*, 57(1), 12-15.
- Pierce, S. (2011) *La conservazione delle orchidee spontanee Lombarde*. Parco Regionale del Monte Barro e Centro Flora Autoctona della Regione Lombardia, Italia.
- Pierce, S. & Aranda, J.E. (2000) *Weruahia lutheri*, a new species from Central Panama. *Journal of the Bromeliad Society*, 50(5), 206-212.
- Pierce, S. & Cerabolini, B.E.L. (2018) *Plant economics and size spectra are both explained by one theory*. The Plant Press, Milan, Italy.
- Pierce, S. & Gottsberger, R.A. (2001) Observations of hummingbird visits to bromeliads at the Cerro Jefe cloud forest, Panama. *Journal of the Bromeliad Society*, 51(1), 25-34.
- Pierce, S. & Gottsberger, R.A. (2001) Bromeliad flowers, an attractive meal for weevils at Cerro Jefe, Panama. *Journal of the Bromeliad Society*, 51(4), 172-176.
- Pierce, S., De Andreis R., Scaccabarozzi D., Ceriani R.M. & Cerabolini B. (2004) La conservazione delle orchidee del Monte Barro. *Quaderni del Parco Monte Barro*, 7, 103-110.
- Pierce, S. & Grant, J.R. (2002) The 'Bloody Whip', a striking new *Guzmania* from Panama. *Journal of the Bromeliad Society*, 52(1), 3-8.
- Pierce, S., Ley, G., Mbwaga, A.M., Lamboll, R.I., Riches, C.R., Press, M.C. & Scholes, J.D. (2003) Farmers, farms and physiology: an integrated approach to Striga research. *BCPC - Crop Science and Technology*. pp. 1017-1022. British Crop Protection Council, Alton, UK.
- Pierce, S., Mbwaga, A.M., Ley, G., Lamboll, R.I., Riches, C., Press, M.C., Scholes, J.D. & Watling, J. (2003) *Chemical characteristics of soil and sorghum from Striga-infested regions of Tanzania, and the influence of fertilizer application*. University of Sheffield, UK. pp. 31.
- Pierce, S., Press, M.C. & Scholes, J.D. (2002) *Growth and photosynthetic response of sorghum cultivars Pato, P9405, P9406 and Macia to infection by hemiparasitic Striga hemonthica (Del.) Benth. under conditions of differing nitrogen availability*. University of Sheffield, UK. pp. 32.

Oral presentations at international scientific conferences:

- Cerabolini, B.E.L. & Pierce, S. (2015) *Plant strategies as biological indicators of ecosystem services*. Ecology at the Interface (The 13th European Ecological Federation (EEF) conference), Congress Centre of Rome, Rome, Italy. 22 Sept. 2015.
- Cerabolini, B., Brusa, G., Ceriani, R.M., De Andreis, R., Luzzaro, A. & Pierce, S. (2010) *Introducing the FIFTH database (Flora d'Italia Functional Traits Hoard) and its practical use for the classification and comparison of plant adaptive strategies*. 105th Congress of the Italian Botanical Society (SBI), University of Milan, Italy, 28 Aug. 2010.
- Cerabolini, B., Brusa, G., Ceriani, R.M., Luzzaro, A. & Pierce, S. (2007) *Functional traits in the Italian flora: a decade of research from the Alps to the Mediterranean*. "Plant traits and biodiversity" workshop, Department of Plant Biology, University of Turin, Italy, 2-4 July 2007.
- Cerabolini, B., Pierce, S., Luzzaro, A., Brusa, G. & Ceriani, R.M. (2007) *The plant functional trait spectra underpinning ecosystem processes and properties*. "Plant traits and biodiversity" workshop, Department of Plant Biology, University of Turin, Italy, 2-4 July 2007.
- Ceriani, R.M., Ferrario, A., Pierce, S. & Cerabolini, B.E.L. (2013) *The hayseed project at the Native Flora Centre of Lombardy*. "Hayseed" mini-workshop. The Royal Botanic Gardens Kew, Millennium Seed Bank, Wakehurst Place, Ardingly, UK. 08 Aug. 2013.
- Del Vecchio, S., Pierce, S., Fantinato, E. & Buffa, G. (2017) *Increasing the germination percentage of an endangered native orchid (Himantoglossum adriaticum) by pollen transfer and outbreeding between populations*. NASSTEC conference, Royal Botanic Gardens, Kew, London, UK, 25-29 September 2017.
- Luzzaro, A., Pierce, S. & Cerabolini, B. (2008). *Spatio-temporal changes in functional spectra of plant communities following deglaciation*. Glacier foreland workshop, University Centre Obergurgl. Berichte des naturwissenschaftlich-medizinischen Vereins in Innsbruck. Supplementum 18. 28-29 April 2008.
- Grime, J.P. & Pierce, S. (2010) *The Evolutionary Strategies that Shape Ecosystems*. Fourth Bi-national Meeting of the Argentine Association of Ecology and the Ecological Society of Chile, Keynote address, Buenos Aires, Argentina, 10 Aug. 2010.
- Grime, J.P. & Pierce, S. (2010) *The Evolutionary Strategies that Shape Ecosystems*. Syracuse University, USA, 16 April 2010.
- Grime, J.P. & Pierce, S. (2010) *The Evolutionary Strategies that Shape Ecosystems*. University of Montana at Missoula, USA, 21 April 2010.
- Pierce, S. (2003) *The jewelled armour of Tillandsia - multifaceted or elongated trichomes photoprotect atmospheric Bromeliaceae*. Presented to the Third International Conference on the Comparative Biology of the Monocotyledons, Ontario, California, USA, 2 April. Travel financed by the Royal Society, UK, and inscription financed by the Rancho Santa Ana Botanic Garden, Claremont, California, USA.
- Pierce, S. (2013) *The propagation, cultivation and conservation of European terrestrial orchids*. "Hayseed" mini-workshop. The Royal Botanic Gardens Kew, Millennium Seed Bank, Wakehurst Place, Ardingly, UK. 08 Aug. 2013. *Invited speaker*.
- Pierce, S. (2013) *In vitro propagation, cultivation and reintroduction of the genus Ophrys (Orchidaceae) during one of the largest orchid restocking projects in the world*. Invited speaker at workshop: "Ensuring the survival of endangered plants in the Mediterranean Islands". 18th - 20th April 2013. Department of Biological, Geological and Environmental Sciences, University of Catania, Italy.
- Pierce, S. (2013) *La propagation, cultivation et conservation des orchidées terrestres d'Europe*. Romandie Group of the Swiss Orchid Society, Morges, Switzerland. 27 June 2013. *Invited speaker*.
- Pierce, S. & Cerabolini, B.E.L. (2014) *Understanding the response of plant biodiversity to environmental perturbation using Grime's CSR theory*. 109th Congress of the Italian Botanical Society. Florence, Italy. 2 Sept. 2014.
- Pierce, S. & Cerabolini, B.E.L. (2014) *In agro-ecosystems, do we really have to choose between productivity and biodiversity?* Xth Congress on Biodiversity. Consiglio per la Ricerca e la Sperimentazione in Agricoltura. Rome, Italy. 4 Sept. 2014.
- Pierce, S. & Cerabolini B.E.L. (2017) *Plant traits: a decade of progress*. Plant Traits 2.0, Italian Botanical Society, Bologna, Italy. 9-10 Feb. 2017.
- Pierce, S. & Ley, G. (2003) *Crop and soil management using resistant sorghum varieties*. ARI Ilonga NRI SUA Striga Management Project, Zonal Striga and CPP Semi-arid review workshops, Dodoma, Central Zone, Republic of Tanzania, 14 March 2003.
- Pierce, S., Luzzaro, A., Ossola, A. & Cerabolini, B. (2008) *The use of species diversity and functional diversity as indicators of the environmental and economic value of subalpine herbaceous communities (Foppolo - Orobie Alps)*. 44th Congress of the Italian Society of Vegetation Science (SISV), Ravenna, Italia, 27-29 Feb. 2008.
- Pierce, S., Negreiros, D., Cerabolini, B.E.L. (2015) *A global method for calculating plant CSR ecological strategies applied across biomes*. Ecology at the Interface (The 13th European Ecological Federation (EEF) conference), Congress Centre of Rome, Rome, Italy. 22 Sept. 2015.
- Pierce, S., Spada, A., Caporali, E., Ceriani, R.M. & Buffa, G. (2017) *Enzymatic scarification facilitates seed coat lignin degradation, water uptake and germination*. NASSTEC conference, Royal Botanic Gardens, Kew, London, UK, 25-29 September 2017.

Posters at international scientific conferences:

- Cerabolini, B., Brusa, G., Ceriani, R.M., Luzzaro, A., Ossola, A. & Pierce, S. (2008) *Integration of phytosociological and functional approaches in the ecological analysis of herbaceous communities*. 44^o Congresso, Società Italiana di Scienza della Vegetazione Onlus (SISV), Ravenna, Italy, 27-29 February 2008.
- Cerabolini, B.E., Brusa, G., Ceriani, R.M. & Pierce, S. (2004) *Relazioni tra tipi funzionali e sintaxa: verifica su un campione di flora legnosa dalle Alpi al Mediterraneo*. 99^o Congresso Società Botanica Italiana, Torino, Italy, 22-24 September 2004: 196. ISBN 88-88245-12-X.
- Ceriani, R.M., Pierce, S., Ferrario, A., Villa, M., Caccianiga, M. & Cerabolini, B.E.L. (2017) *Characterisation of brush-harvested hayseed quality (purity, seed content and germination) for the calculation of optimal sowing densities*. NASSTEC conference, Royal Botanic Gardens, Kew, London, UK, 25-29 September 2017.
- Brusa, G., Luzzaro, A., Ceriani, R.M., Pierce, S. & Cerabolini, B.E. (2005) *Germinazione di specie alpine di interesse naturalistico*. StelvioSettanta - biodiversità, dinamica del paesaggio e gestione delle aree montane, Val di Rabbi (TN), Italy, 8-11 September 2005: 157. ISBN: 88-89706-01-5.
- De Andreis, R., Ceriani, R.M., Pierce, S., Raimondi, B. & Cerabolini, B.E. (2004) *Germinazione dei semi e conservazione di specie alpine minacciate: il caso di Physoplexis comosa e Primula glaucescens*. 99^o Congresso Società Botanica Italiana, Torino, Italy, 22-24 September 2004: 168. ISBN 88-88245-12-X.

- Ferrario, A., Bottinelli, A., Ceriani, R.M., Battilana, D., Cerabolini, B.E.L., Pierce, S. & Villa, M. (2014) *La filiera del fiore: dalla raccolta alla commercializzazione*. X Convegno Nazionale sulla Biodiversità. Consiglio per la Ricerca e la Sperimentazione in Agricoltura. CNR, Roma, 2-5 September 2014. www.sisef.it/xbio/?id=prog
- Ferrario, A., Pierce, S., Ceriani, R.M., Villa, M. & Cerabolini, B.E.L. (2014) *Germinazione, coltivazione su larga scala e rinforzamento della popolazione di Linaria tonzigi, una stenoendemica della Direttiva Habitat mai riprodotta prima*. X Convegno Nazionale sulla Biodiversità. Consiglio per la Ricerca e la Sperimentazione in Agricoltura. CNR, Roma, 2-5 September 2014. www.sisef.it/xbio/?id=prog
- Gobbi, M., Caccianiga, M., Cerabolini, B., De Bernardi, F., Luzzaro, A. & Pierce, S. (2008) *Ecosystem dynamics triggered by climate change along a glacier foreland: a quantitative and functional approach on plant and arthropod assemblages*. Glacier foreland workshop, University Centre Obergurgl. Berichte des naturwissenschaftlich-medizinischen Vereins in Innsbruck. Supplementum 18. 28-29 April 2008.
- Luzzaro, A., Caccianiga, M., Pierce, S., Ceriani, R.M. & Cerabolini, B.E. (2004) *I tipi funzionali come strumento per lo studio della dinamica di vegetazione: strategie delle piante e successione primaria in ambiente periglaciale*. 99° Congresso Società Botanica Italiana, Torino, Italy, 22-24 September 2004: 201. ISBN 88-88245-12-X.
- Luzzaro, A., Pierce, S., Caccianiga, M. & Cerabolini, B.E. (2005) *La base funzionale della dinamica di vegetazione: il caso della Vedretta del Pasquale (Val Cedec - SO)*. StelvioSettanta - biodiversità, dinamica del paesaggio e gestione delle aree montane, Val di Rabbi (TN), Italy, 8-11 September 2005: 48. ISBN: 88-89706-01-5.
- Luzzaro, A., Ceriani, R.M., Pierce, S., De Andreis, R., Villa, M. & Cerabolini, B. (2006) *The propagation programme of the Native Flora Centre of Lombardy - optimising the germination of native species for conservation purposes*. ISTA Forest Tree and Shrub Seed Committee seminar, Verona, Italy, 12-15 September 2006.
- Mangili, F., Caccianiga, M. & Pierce, S. (2014) *Preliminary studies of the chorology and autoecology of Androsace brevis (Hegetschw.) Ces., Primulaceae, a Lombardy endemic species*. 109° Congresso della Società Botanica Italiana onlus. Firenze, 2 - 5 September 2014. www.societabotanicaitaliana.it/109/eng/detail.asp?dn=1271
- Pierce, S., Baxter, R., Pearson, J.A. & Stirling, C.M. (1996) *Parent-offspring resource allocation in a viviparous grass, Poa alpina L.* British Ecological Society, Lancaster, UK, 21 July 1996.
- Pierce, S., Baxter, R. & Stirling, C.M. (1998) *Reproductive allocation in Poa alpina L. - a pseudoviviparous alpine pasture grass in a changing environment*. Poster presented at the Institute of Grassland and Environmental Research, Aberystwyth, UK, 14 September 1998.
- Pierce, S., Ley, G., Mbwaga, A.M., Lamboll, R.I., Riches, C.R., Press, M.C. & Scholes, J.D. (2003) *Farmers, farms and physiology: an integrated approach to Striga research*. British Crop Protection Council International Congress - Crop Science and Technology, Glasgow, UK, 10-12 November 2003.
- Pierce, S., De Andreis, R., Scaccabarozzi, D., Ceriani, R.M. & Cerabolini, B.E. (2004) *Germinazione e conservazione di orchidee autoctone delle Prealpi Lombarde*. 99° Congresso Società Botanica Italiana, Torino, Italia, 22-24 September 2004: 176. ISBN 88-88245-12-X.
- Pierce, S., Turri, D., Ferrario, A., Ceriani, R.M., Villa, M., Cerabolini, B.E.L. (2010) *Project ORCHIS: applying research for the conservation of our rarest orchids*. 105° Congresso Società Botanica Italiana, Università di Milano, Italy, 28 August 2010.
- Pierce, S., Slaviero, A., Buffa, G., Ceriani, R.M. & Cerabolini, B.E.L. (2014) *Il recupero ambientale e la produzione di elementi di pregio della flora spontanea: un nuovo metodo per 'digerire' l'integumento dei semi per la propagazione di specie di bassa germinabilità*. X Convegno Nazionale sulla Biodiversità. Consiglio per la Ricerca e la Sperimentazione in Agricoltura. CNR, Roma, 2-5 September 2014. www.sisef.it/xbio/?id=prog
- Pierce, S., Quaglino, F., Montagna, M., Spada, A., Casati, P., Iriti, M. (2016) *Evaluation of Effective Microorganisms® efficacy on Candidatus Phytoplasma solani-infected and healthy periwinkle plants*. The 4th European Bois noir Workshop, 9-11 March 2016, Klosterneuburg, Austria.
- Slaviero, A., Pierce, S., Buffa, G., Ceriani, R.M. & Cerabolini, B.E.L. (2014) *The use of ligninase enzymes to target the scarification of the seed coat: application for the propagation of the orchids Himantoglossum adriaticum and Anacamptis morio*. 109° Congresso della Società Botanica Italiana onlus. Firenze, 3 September 2014. www.societabotanicaitaliana.it/109/eng/detail.asp?dn=1271

Seminars and public presentations:

- Cerabolini, B., Brusa, G., Luzzaro, A., Ossola, A. & Pierce, S., (2008) *Valutazione di specie vegetali autoctone al fine del loro impiego come biomassa per la produzione di energia*. Parco Regionale del Monte Barro, Villa Bertarelli, Galbiate (LC), Italy, 8 October 2008.
- Cerabolini, B., Pierce, S., Luzzaro, A. & Brusa, G. (2008) *Metodi per la conservazione e la caratterizzazione della biodiversità della flora autoctona*. Parco Regionale del Monte Barro, Villa Bertarelli, Galbiate (LC), Italy, 8 October 2008.
- Pierce, S. (2002) *Ecophysiology of cloud forest dwelling Bromeliaceae*. Molecular and Physiological Ecology Research Group seminars, University of Sheffield, UK, 19 July 2002.
- Pierce, S. (2003) *Physiological ecology of epiphytic bromeliads in tropical montane cloud forests*. Invited lecture, University of Durham, UK, 24 February 2003.
- Pierce, S. (2004) *Heliophytes, epiphytes and lithophytes - what can extreme life forms reveal about vegetation processes?* Università degli Studi dell'Insubria, Como, Italy, 25 May 2004.
- Pierce, S. (2004) *The agricultural impact of parasitic Orobanchaceae in sub-Saharan Africa*. Università degli Studi dell'Insubria, Como, Italy, 18 May 2004.
- Pierce, S. (2008) *La conservazione delle orchidee della regione Lombardia*. Università di Bergamo, Bergamo, Italy, 25 November 2008
- Pierce, S. (2009) *I progetti del Centro Flora Autoctona della Regione Lombardia per la conservazione delle orchidee spontanee*. "Darwin: orchidee in evoluzione. Mostra, incontri, laboratori e giochi didattici in serra". Villa Lonati, Settore Tecnico Arredo Urbano e Verde, Via Zubiani 1, Milano, Italy, 7 March 2009.
- Pierce, S. (2009) *Il progetto ORCHIS*. Parco in Comune. Sede del Parco Nord Milano, Milano, Italy, 5 September 2009.
- Pierce, S. (2009) *Il progetto ORCHIS*. Villa Bertarelli, Sede del Parco del Monte Barro, Lecco, Italy, 7 September 2009.
- Pierce, S. (2009) *Il progetto ORCHIS*. Sede del Parco delle Orobie Bergamasche, Bergamo, Italy, 8 September 2009.
- Pierce, S. (2009) *La conservazione delle Orchidee spontanee della Regione Lombardia*. Varese Orchidea '09, Villa Recalcatti, Varese, Italy. International orchid show. 7 November 2009.
- Pierce, S. (2010) *Nuovi successi nella conservazione delle Orchidee spontanee della Regione Lombardia*. Varese Orchidea '10, Voltorre, Varese, Italia. International orchid show. 12 September 2010.
- Pierce, S. (2014) *Do we have to choose between productivity and species conservation in semi-natural agroecosystems?* I seminari del DiSAA. 14 April 2014.
- Pierce, S. (2016) *The global spectrum of plant form and function*. Dottorato di Ricerca in Agricoltura, Ambiente e Bioenergia. 24 February 2016.
- Pierce, S. (2016) *What is life? Spontaneous directional motion in the molecular storm*. Invited seminar Programa de Pós-Graduação em Ecologia, Conservação e Manejo de Vida Silvestre Ecologia Evolutiva e Biodiversidade, Departamento de Biologia Geral Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil. 21 November 2016
- Pierce, S. (2016) *What is life? Common patterns of organism function and species survival*. Invited seminar Programa de Pós-Graduação em Ecologia, Conservação e Manejo de Vida Silvestre Ecologia Evolutiva e Biodiversidade, Departamento de Biologia Geral Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil. 22 November 2016
- Pierce, S. (2018) *Plant Strategies: in theory and in practice*. Doctoral Program in Earth and Environmental Sciences, University of Pavia, 10 April 2018.
- Pierce, S. (2018) *Conoscere l'erisimo*. Ri-Generare a MuBAJ. Museo Botanico Aurelia Jozs, Milan, Italy, 20 October 2018. (www.erisimo-a-milano.it/2018/10/ri-generare-a-mubaj-programma/).
- Pierce, S. (2018) *Erisimo dove sei? Un anno di Erisimo - tra scienza e canto in città studi*, Facoltà di Scienze Agrarie e Alimentari, Università degli Studi di Milano, Milan, Italy, 30 November 2018. (www.erisimo-a-milano.it/2018/11/un-anno-di-erisimo-a-milano/).
- Pierce, S., De Andreis, R., Ceriani, R.M. & Scaccabarozzi, D. (2004) *La conservazione delle orchidee del Monte Barro*. Seminario Permanente per la Gestione delle Praterie di Interesse Naturalistico. 7 June, Eremito di Monte Barro, Galbiate (LC), Italy.
- Pierce, S., De Andreis, R., Cerabolini, B.E., & Ceriani, R.M. (2006) *La conservazione delle orchidee*. Inaugurazione del Laboratorio per la Conservazione della Biodiversità, Centro Flora Autoctona della Regione Lombardia, Villa Bertarelli, Galbiate (LC), Italy, 21 May 2006.
- Pierce, S., Ceriani, R.M. & Cerabolini, B. (2007) *La conservazione delle Orchidee autoctone: primi risultati e prospettive*. Evento "Il Centro Flora Autoctona: un impegno per la salvaguardia della biodiversità". Villa Bertarelli, Galbiate (LC), Italy, 13 April 2007.