

## Publications in international peer-reviewed journals

Stotz G; Cahill J; Bennett J; Carlyle C; Bork E; Askarizadeh D; Bartha S; Beierkuhnlein C; Boldgiv B; Brown L; Cabido M; Campetella G; Chelli S; Cohen O; Diaz S; Enrico L; Ensing D; Erdenetsetseg B; Fidelis A; Garris H; Henry H; Jentsch A; Jouri M; Koorem K; Manning P; Mitchell R; Moora M; Overbeck G; Pither J; Reinhart K; Sternberg M; Tungalag R; Undrakhbold S; van Rooyen M; **Wellstein C**; Zobel M; Fraser L (accepted): **Not a melting pot: plant species aggregate in their non-native range** *Global Ecology and Biogeography*

Montagnani L, Badraghi A, Speak AF, **Wellstein C**, Borruso L, Zerbe S, Zanotelli D (2019): **Evidence for a non-linear carbon accumulation pattern along an Alpine glacier retreat chronosequence in Northern Italy.** *PeerJ* 7:e7703. DOI: 10.7717/peerj.7703

Chelli S, Ottaviani G, Simonetti E, **Wellstein C**, Canullo R, Carnicelli S, Andreetta A, Puletti N, Bartha S, Cervellini M, Campetella G (2019): **Climate is the main driver of clonal and bud bank traits in Italian forest understories.** *Perspectives in Plant Ecology, Evolution and Systematics* 40:125478. DOI: 10.1016/j.ppees.2019.125478

Chelli S, Simonetti E, **Wellstein C**, Campetella G, Carnicelli S, Andreetta A, Giorgini D, Puletti N, Bartha S, Canullo R (2019): **Effects of climate, soil, forest structure and land use on the composition of the functional traits of understory vegetation in Italian forests.** *Journal of Vegetation Science* 30(6): 1110-1121. DOI: 10.1111/jvs.12792

Terziyska T, Tsakalos J, Bartha S, Apostolova I, Sopotlieva D, Zimmermann Z, Szabó G, **Wellstein C** (2019): **Diversity patterns and the response of key plant functional traits to abandonment after overgrazing in subalpine grasslands.** *Plant Biosystems*. DOI: 10.1080/11263504.2019.1651780

Campetella G, Chelli S, **Wellstein C**, Farris E, Calvia G, Simonetti E, Borsukiewicz L, Vanderplank S, Marignani M (2019): **Contrasting patterns in leaf traits of Mediterranean shrub communities along an elevation gradient: measurements matter.** *Plant Ecology* 220 (7-8):765-776. DOI: 10.1007/s11258-019-00951-y

Krämer N, Dercon G, Cisneros P, Arango Lopez F, **Wellstein C** (2019): **Adding another dimension: Temporal development of the spatial distribution of**

**soil and crop properties in slow-forming terrace systems.** *Agriculture Ecosystems and Environment* 283: article 106543. DOI: 10.1016/j.agee.2019.05.002

Midolo G, De Frenne P, Hölzel N, **Wellstein C** (2019): **Global patterns of intraspecific leaf trait responses to elevation.** *Global Change Biology* 25: 2485-2498. DOI: 10.1111/gcb.14646

Tonin R, Gerdol R, Tomaselli M, Petraglia A, Carbognani M, **Wellstein C** (2019): **Intraspecific functional trait response to advanced snowmelt suggests increase of growth potential but decrease of seed production in snowbed plant species.** *Frontiers in Plant Science* 10: 1-12. DOI: 10.3389/fpls.2019.00289

Alessi N, Tešitel J, Zerbe S, Spada F, Agrillo E, **Wellstein C** (2019): **Ancient refugia and present-day habitat suitability of native laurophylls in Italy.** *Journal of Vegetation Science* 30: 564-574. DOI: 10.1111/jvs.12743

Casagrande Bacchiocchi S, Zerbe S, Cavieres L, **Wellstein C** (2019): **Impact of ski piste management on mountain grassland ecosystems in the Southern Alps.** *Science of the Total Environment* 665: 959-967. DOI: 10.1016/j.scitotenv.2019.02.086

Chelli S, Marignani M, Barni E, Petraglia A, Puglielli G, **Wellstein C**, Acosta ATR, Bolpagni R, Bragazza L, Campetella G, Chiarucci A, Conti L, Nascimbene J, Orsenigo S, Pierce S, Ricotta C, Tardella FM, 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 ML, 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, Frattaroli AR, Gentili R, Gerdol 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, Siniscalco C, Slaviero A, Stanisci A, Stinca A, Tomaselli Met al. (2019): **Plant-environment interactions through a functional traits perspective: a review of Italian studies.** *Plant Biosystems*. DOI: 10.1080/11263504.2018.1559250

**Wellstein C**<sup>1</sup>, Borruso L<sup>1</sup>, Bani A, Casagrande S, Margoni A, Tonin R, Zerbe S, Brusetti L (2018): **Temporal shifts in endophyte bacterial community composition of sessile oak (*Quercus petraea*) are linked to foliar nitrogen,**

**stomatal length, and herbivory.** *PeerJ* 6:e5769. DOI:10.7717/peerj.5769 (1: Authors have equal contributions)

Bani A, Borruso L, Fornasier F, Pioli S, **Wellstein C**, Brusetti L (2018): **Microbial Dynamics and Functionality Are Decoupled in Forest Litter Decomposition.** *Microbial Ecology* 76(4): 1030-1040. DOI: 10.1007/s00248-018-1181-5

Alessi N, **Wellstein C**, Spada F, Zerbe S (2018): **Phytocoenological approach to the ecology of *Laurus nobilis* L. in Italy.** *Rendiconti Lincei. Scienze Fisiche e Naturali* 29(2): 343-354. (Published within the Special Issue on “The Contribution of Vegetation Science to the European Habitat Directive”). DOI: 10.1007/s12210-018-0677-8

Kreyling J, Dengler J, Walter J, Velez J, Ugurlu E, Sopotlieva D, Ransijn J, Picon-Cochard C, Nijs I, Hernandez P, Güler B, von Gillhaussen P, De Boeck HJ, Bloor JMG, Berwaers S, Beierkuhnlein C, Arfin Kahn MAS, Apostolova I, Altan Y, Zeiter M, **Wellstein C**, Sternberg M, Stampfli A, Campetella G, Bartha S, Bahn M, Jentsch A (2017): **Species richness effects on grassland recovery from drought depend on community productivity in a multi-site experiment.** *Ecology Letters* 20: 1405-1413. DOI: 10.1111/ele.12848

**Wellstein C**, Poschlod P, Gohlke A, Chelli S, Campetella G, Rosbakh S, Canullo R, Kreyling J, Jentsch A, Beierkuhnlein C (2017): **Effects of extreme drought on specific leaf area of grassland species: a meta-analysis of experimental studies in temperate and sub-Mediterranean systems.** *Global Change Biology*. DOI: 10.1111/gcb.13662

Canullo R, Simonetti E, Cervellini M, Chelli S, Bartha S, **Wellstein C**, Campetella G (2017): **Unravelling mechanisms of short-term vegetation dynamics in complex coppice forest systems.** *Folia Geobotanica*. DOI: 10.1007/s12224-016-9264-x

Chelli S, **Wellstein C**, Campetella G, Canullo R, Tonin R, Zerbe S, Gerdol R (2017): **Climate change response of vegetation across climatic gradients in Italy.** *Climate Research* 71: 249-262. DOI: 10.3354/cr01443

Chelli S, Canullo R, Campetella G, Schmitt AO, Bartha S, Cervellini M, **Wellstein C** (2016): **The response of Sub-mediterranean grasslands to rainfall variation is influenced by early season precipitation.** *Applied Vegetation Science* 19: 611-619. DOI: 10.1111/avsc.12247

Dolos K, Mette T, **Wellstein C** (2016): **Silvicultural climatic turning point for European beech and sessile oak in Western Europe derived from national forest inventories.** *Forest Ecology and Management* 373: 128–137. DOI: 10.1016/j.foreco.2016.04.018

Cianfaglione K, Chelli S, Campetella G, **Wellstein C**, Cervellini M, Ballelli S, Lucarini D, Canullo R, Jentsch, A (accepted): **European grasslands gradient and the resilience to extreme climate events: the SIGNAL project in Italy.** *Geobotany Studies*.

Güler B, Jentsch A, Apostolova I, Bartha S, Bloor J, Campetella G, Canullo R, Házi, J, Kreyling J, Pottier J, Szabó G, Terziyska T, Uğurlu E, **Wellstein C**, Zimmermann Z, Dengler J (2016): **How plot shape and dispersion affect plant species richness counts: implications for sampling design and rarefaction analyses.** *Journal of Vegetation Science* 27: 692-703. DOI: 10.1111/jvs.12411

Pither J, Fraser LH, Jentsch A, Sternberg M, Zobel M, Cahill J, Beierkuhnlein C, Bartha S, Bennett J, Boldgiv B, Brown L, Cabido M, Campetella G, Carlyle CN, Chelli S, Csergo A-M, Díaz S, Enrico L, Ensing D, Fidelis A, Garris H, Henry HAL, Hohn M, Klironomos J, Koorem K, Lodge RL, Manning P, Mitchell R, Moora M, Pillar VD, Stotz G, Sugiyama S, Szentes S, Tungalag R, Undrakhbold S, **Wellstein C**, Zupo T (2016): **Response to Comment on “Worldwide evidence of a unimodal relationship between productivity and plant species richness”.** *Science* 351: 457b. DOI: 10.1126/science.aad8019

Fraser LH, Pither J, Jentsch A, Sternberg M, Zobel M, Askarizadeh D, Bartha S, Beierkuhnlein C, Bennett J, Bittel A, Boldgiv B, Boldrini II, Bork E, Brown L, Cabido M, Cahill J, Carlyle CN, Campetella G, Chelli S, Cohen O, Csergo A-M, Díaz S, Enrico L, Ensing D, Fidelis A, Fridley JD, Foster B, Garris H, Goheen JR, Henry HAL, Hohn M, Jouri MH, Klironomos J, Koorem K, Lodge RL, Long R, Manning P, Mitchell R, Moora M, Müller SC, Nabinger C, Naseri K, Overbeck GE, Palmer TM, Parsons S, Pesek M, Pillar VD, Pringle RM, Roccaforte K, Schmidt A, Shang Z, Stahlmann R, Stotz G, Sugiyama S, Szentes S, Thompson D, Tungalag R, Undrakhbold S, van Rooyen M, **Wellstein C**, Wilson JB, Zupo T (2015): **Worldwide Evidence of a Unimodal Relationship Between Productivity and Plant Species Richness.** *Science* 349: 302-305. DOI: 10.1126/science.aab3916

Gellesch E, **Wellstein C**, Beierkuhnlein C, Kreyling J, Walter J, Jentsch A (2015): **Plant community composition is the crucial factor for heath performance**

under precipitation extremes. [Journal of Vegetation Science](#) 26: 975-984. DOI: 10.1111/jvs.12304

Backhaus S, Wiehl D, Beierkuhnlein C, Jentsch A, **Wellstein C** (2014): **Warming and drought do not influence the palatability of *Quercus pubescens* Willd. leaves of four European provenances.** [Arthropod-Plant Interactions](#) 8: 329-337. DOI: 10.1007/s11829-014-9313-4

**Wellstein C**, Cianfaglione K (2014): **Impact of extreme drought and warming on survival and growth characteristics of different provenances of juvenile *Quercus pubescens* Willd.** [Folia Geobotanica](#) 49: 31-47. DOI 10.1007/s12224-013-9186-9

**Wellstein C**, Campetella G, Spada F, Chelli S, Mucina L, Canullo R, Bartha S (2014): **Context-dependent assembly rules and the role of dominating grasses in semi-natural abandoned sub-mediterranean grasslands.** [Agriculture, Ecosystems and Environment](#) 182:113–122. DOI: 10.1016/j.agee.2013.12.016

Dengler J, Janišová M, Török P, **Wellstein C** (2014): **Biodiversity of Palearctic grasslands: a synthesis.** [Agriculture, Ecosystems and Environment](#) 182:1-14. DOI 10.1016/j.agee.2013.12.015

Mette T, Dolos K, Meinardus C, Bräuning A, Reineking B, Blaschke M, Pretzsch H, Beierkuhnlein C, Gohlke A, **Wellstein C** (2013): **Climatic turning point for beech and oak under climate change in Central Europe.** [Ecosphere](#) 4(12):Art.145. <http://dx.doi.org/10.1890/ES13-00115.1>

Habel JC, Dengler J, Janišová M, Török P, **Wellstein C**, Wiezik M (2013): **European grassland ecosystems: Threatened hotspots of biodiversity.** [Biodiversity and Conservation](#) 22:2131-2138. DOI: 10.1007/s10531-013-0537-x

**Wellstein C**, Chelli S, Campetella G, Bartha S, Galiè M, Spada F, Canullo R (2013): **Intraspecific phenotypic variability of plant functional traits in contrasting mountain grassland habitats.** [Biodiversity and Conservation](#) 22:2353-2374. DOI: 10.1007/s10531-013-0484-6

**Wellstein C**, Spada F (2012): **Evidence for clonal growth in *Fagus sylvatica* L. in Italy.** [Annali di Botanica](#) 2:87-92. DOI: 10.4462/annbotrm-10030

**Wellstein C** (2012): **Seed-litter-position drives seedling establishment in grassland species under recurrent drought.** *Plant Biology* 14(6):1006-1010. DOI:10.1111/j.1438-8677.2012.00635.x

**Wellstein C**, Schröder B, Reineking B, Zimmermann NE (2011): **Understanding species and community response to environmental change - a functional trait perspective.** *Agriculture, Ecosystems and Environment* 145(1):1-4. DOI: 10.1016/j.agee.2011.06.024

Campetella G, Botta-Dukát Z, **Wellstein C**, Canullo R, Gatto S, Chelli S, Mucina L, Bartha S (2011): **Patterns of plant trait-environment relationships along a forest succession chronosequence.** *Agriculture, Ecosystems and Environment*, 145 (1): 38-48. DOI: 10.1016/j.agee.2011.06.025

**Wellstein C**, Kuss P (2011): **Diversity and frequency of clonal traits along natural and land-use gradients in grasslands of the Swiss Alps.** *Folia Geobotanica* 46:255-270. DOI: 10.1007/s12224-010-9075-4

Canullo R, Campetella G, Mucina L, Chelli S, **Wellstein C**, Bartha S (2011): **Patterns of clonal growth modes along a chronosequence of post-coppice forest regeneration succession in beech forest of Central Italy.** *Folia Geobotanica* 46:271-288. DOI: 10.1007/s12224-010-9087-0

Jentsch A, Kreyling J, Elmer M, Gellesch E, Glaser B, Grant K, Hein R, Lara M, Mirzaee H, Nadler SE, Nagy L, Otieno D, Pritsch K, Rascher U, Schädler M, Schloter M, Singh BK, Stadler J, Walter J, **Wellstein C**, Wöllecke J, Beierkuhnlein C (2011): **Climate extremes initiate ecosystem regulating functions while maintaining productivity.** *Journal of Ecology* 99(3):689-702. DOI: 10.1111/j.1365-2745.2011.01817.x

Janišová M, **Wellstein C**, Willner W, Dengler J (2011): **Succession, restoration and management of dry grasslands – Editorial to the Special Feature with contributions from the 7th European Dry Grassland Meeting 2010 in Smolenice.** *Tuexenia* 31:227-234.

**Wellstein C**, Otte A, Waldhardt R (2007): **Seed bank diversity in mesic grasslands and their relation to vegetation, management and site conditions.** *Journal of Vegetation Science* 18:153-162. DOI: 10.1658/1100-9233

**Wellstein C**, Otte A, Waldhardt R (2007): **Impact of site and management on the diversity of central European mesic grassland.** [Agriculture, Ecosystems and Environment](#) 122:203-210. DOI: 10.1016/j.agee.2006.12.033

Dahms H, **Wellstein C**, Wolters V, Dauber J (2005): **Effects of management practices on ant species richness and community composition in grasslands (Hymenoptera: Formicidae).** [Myrmecological News](#) 7: 2-16.

## Book chapters

Cianfaglione K, Chelli S, Campetella G, **Wellstein C**, Cervellini M, Balleli S, Lucarini D, Canullo R, Jentsch A (2018) European Grasslands Gradient and the Resilience to Extreme Climate Events: The SIGNAL Project in Italy. In: Pedrotti F. (eds) Climate Gradients and Biodiversity in Mountains of Italy. Geobotany Studies. Springer, Cham. [Geobotany Studies](#), 175-186. DOI: 10.1007/978-3-319-67967-9\_9

**Wellstein C**, Zerbe S (2016): South Tyrol as a laboratory for ecological research. In: Scharr K, Steinicke E (Ed.): *Alps – Caucasus. A Natural and Cultural Comparison: Results of the International Summer School Innsbruck 2015.* Innsbruck University Press, Innsbruck. P 105-116.

**Wellstein C**, Spada F (2015) The status of *Quercus pubescens* Willd. in Europe. In: Box EO, Fujiwara K (Eds.) Warm-Temperate Deciduous Forests around the Northern Hemisphere. [Geobotany Studies](#), 153-163. DOI: 10.1007/978-3-319-01261-2\_8

**Wellstein C** (2014) L'importanza dei boschi d'Italia e della loro diversità locale e geografica nel secolo del cambiamento globale. In Cianfaglione K & Di Martino V (Eds.): *L'importanza degli alberi e del bosco.* Temi Editrice, 22-26.

**Wellstein C**, Uehlinger U, Zah R (2003) Terrestrial floodplain vegetation. In Ward, J.V., Uehlinger, U.: *Ecology of a glacial floodplain.* Kluwer Academic Publishers, 109-121.

## Further publications (in English, German or Italian)

Zerbe S, Bergmann A, Schermer M, **Wellstein C** (2019): Wiedereinführung der Waldweide in den Alpen? Sozioökonomische Perspektiven für das Management von strukturreichen Berglandschaften. *Naturschutz und Landschaftsplanung* 51 (06): 276-282.

**Wellstein C**, Zerbe S (2018): Introduction to the Special issue "Conservation, Restoration, and Sustainable Development of Mediterranean Forests". *Journal of Mediterranean Ecology* 16: 3-4.

**Wellstein C** (2013) Strategien zur Anpassung an den Klimawandel. Schlussfolgerungen aus den Ergebnissen des Forschungsverbundes FORKAST. Klimaforschung in Bayern, *Bavarian State Ministry of the Environment and Public Health*, Munich. P 66-68.

**Wellstein C**, Gohlke A, Beierkuhnlein C (2013) Auswirkungen des Klimas auf Ökosysteme und klimatische Anpassungsstrategien. Forschungsverbund FORKAST – Ergebnisse aus dreieinhalb Jahren interdisziplinärer Klimafolgenforschung. Klimaforschung in Bayern, *Bavarian State Ministry of the Environment and Public Health*, Munich. P 7.

Beierkuhnlein C, Kreyling J, Konnert M, Huber G, Jentsch A, Thiel D, Nagy L, **Wellstein C** (2013) Innerartliche Unterschiede in der Reaktion auf Klimaextreme und ihre Bedeutung für die Anpassung an ungewollte Folgen des Klimawandels. Klimaforschung in Bayern, *Bavarian State Ministry of the Environment and Public Health*, Munich. P 23-27.

**Wellstein C** (2012) Effetti dei cambiamenti climatici sugli ecosistemi e strategie di adattamento. In: Cannone N, Barni E, Marignani M (Ed.): *Atti del Convegno "Cambiamento climatico: Analisi ed impatti su specie ed ecosistemi vegetali"* Gruppo di Ecologia, Società Botanica Italiana. Grafica Marelli, Como. pp 85-87.

Chelli S, Campetella G, Cervellini M, Quintero G, Canullo R, Bartha S, **Wellstein C** (2012) Effetti dei cambiamenti climatici sulle praterie montane dell'Appennino. Primi risultati. In: Cannone N, Barni E, Marignani M (Ed.): *Atti del Convegno "Cambiamento climatico: Analisi ed impatti su specie ed ecosistemi vegetali"* Gruppo di Ecologia, Società Botanica Italiana. Grafica Marelli, Como. pp 57-61.

**Wellstein C**, Beierkuhnlein C (2011) Wälder im Klimawandel. Interdisziplinäre Forschung über ökologische Folgen und Anpassungsoptionen. *LWF Aktuell* 85: 4-5.



**Wellstein C**, Blaschke M, Mette T (2011) Den Wirkungen von Klima und Wäldern auf der Spur. FORKAST Forschungsverbund sucht nach Lösungen. *LWF Aktuell* 82: 51-53.

Kreyling J, Huber G, Jentsch A, Konnert M, Nagy L, Thiel D, **Wellstein C**, Beierkuhnlein C (2011) Innerartliche Plastizität und lokale Anpassungen von Waldbäumen. *LWF Aktuell* 85: 12-14.

Zemmrich A, **Wellstein C**, Eckstein L, Knapp S, Römermann C, Bernhardt-Römermann M (2011) Rückblick auf „Applications of Functional Traits to Reveal Ecosystem Responses to Environmental Change“. Session zu funktioneller Ökologie der 41. Jahrestagung der GfÖ in Oldenburg 2011. *Nachrichten der Gesellschaft für Ökologie* 41(2): 3-4.

**Wellstein C**, Beierkuhnlein C (2009) Bayerischer Forschungsverbund Forkast "Auswirkungen des Klimas auf Ökosysteme und klimatische Anpassungsstrategien". *Nachrichten der Gesellschaft für Ökologie* 39(1):10.

Reger B, Simmering D, **Wellstein C**, Waldhardt R (2005) Bericht über die bisherige Entwicklung des Teilprojektes B3.1 "Module für die Modellierung nutzungsabhängiger floristischer Diversität in Kulturlandschaften". In: FREDE, H-G (Hrsg.): *Sonderforschungsbereich 299 'Landnutzungskonzepte für periphere Regionen' der Deutschen Forschungsgemeinschaft, Fortsetzungsantrag zur 4. Förderphase 2006 - 2008*, 377-415.

Burkart M, Doric A, Gärber C, Kleiter V, Schmidt F, **Wellstein C**, Fehlmann M, Kurzthaler M (2000) *Exkursionsbericht: Das Trojeralmtal. Ein kultur- und naturwissenschaftlicher Leitfaden des Nationalparks Hohe Tauern – Tirol*. Hrsg: Nationalpark Hohe Tauern Tirol, Matri i. O.

Burkart M, Doric A, Gärber C, Kleiter V, Schmidt F, **Wellstein C**, Fehlmann M, Kurzthaler M (2000) *Exkursionsbericht: Das Ködnitztal. Ein kultur- und naturwissenschaftlicher Leitfaden des Nationalparks Hohe Tauern – Tirol*. Hrsg: Nationalpark Hohe Tauern Tirol, Matri i. O.

**Publications in conference volumes (Proceedings) (listed until 2016)**

Terziyska T, Apostolova I, Sopotlieva D, Tsakalos J, Zimmermann Z, Szabo G, Bartha S, **Wellstein C** (2016): Functional diversity of high mountain pasture communities: a trait based comparative study. EDGG conference, Romania, 2016.

Tonin R, Gerdol R, **Wellstein C** (2016): Functional traits variation in alpine plants growing on ice holes and alpine belt as a prediction of long-term adaptation to climate change. POPBIO Conference, Czech Republic, 2016.

Campetella G, Simonetti E, Bartha S, Chelli S, **Wellstein C**, Giorgini D, Puletti N, Cervellini M, Canullo R (2016): Context-dependent plant traits drive fine-scale species persistence in old-growth forests. In: Agrillo E, Attore F, Spada F, Casella L (Eds.) Book of Abstracts (Lectures) 25th EVS Conference, Roma, Italy, 2016: p. 21

Terziyska T, Sopotlieva D, **Wellstein C**, Zimmermann Z, Szabo G, Tsakalos J, Apostolova I, Bartha S (2016): Species diversity and community structure of mountain pastures – a case study from Balkan Range. In: Agrillo E, Attore F, Spada F, Casella L (Eds.) EVS Conference, Roma, Italy, 2016. Book of Abstracts (Lectures): p. 67.

Tonin R, Gerdol R, Tomaselli M, Petraglia A, **Wellstein C** (2016): Functional traits variation in snowbed plants along a snow cover gradient as a prediction of adaptation to climate warming. In: Agrillo E, Attore F, Spada F, Casella L (Eds.) EVS Conference, Roma, Italy, 2016. Book of Abstracts (Posters): p. 103.

Alessi N, **Wellstein C**, Spada F, Zerbe S (2016): Patterns and processes of laurel (*Laurus nobilis* L.) regeneration in Italian forests. In: Agrillo E, Attore F, Spada F, Casella L (Eds.) EVS Conference, Roma, Italy, 2016. Book of Abstracts (Lectures): p.14.

Bani A, **Wellstein C**, Borruso L, Schmidt A, Brusetti L (2015): The leaf microbial community: degradation process and endophytic bacteria. MD Perugia 2015.

Dolos K, Mette T, Schmidlein S, **Wellstein C** (2015): Modelling the climatic turning point for European beech (*Fagus sylvatica*) and sessile oak (*Quercus petraea*) using national forest inventories. GfÖ Annual Conference 2015, Germany.

**Wellstein C** et al. (2015): Trait-based assembly rules across climatic gradients of European grasslands are affected little by extreme drought. 58th IAVS Symposium, Brno, Czech Republic, 2015.

Chelli S, Canullo R, Campetella G, Schmitt AO, Bartha S, Cervellini M, **Wellstein C** (2015): The importance of early season precipitation conditioning sub-Mediterranean grassland responses to rainfall variation. 58th IAVS Symposium, Brno, Czech Republic, 2015.

Casella L, Agrillo E, Alessi N, Angelini P, Attorre F, Massimi M, Spada F, Vitale M, **Wellstein C** (2015): A roadmap from vegetation database to vegetation analysis, classification and mapping. EVS annual conference 2015, Rennes, France.

**Wellstein C** (2014): Functional variability in *Quercus pubescens* Willd. under climatic change. *Phytotron Research Conference, Neuherberg, Germany*.

Güler, B., Jentsch, A., Apostolova, I., Bartha, S., Bloor, J., Campetella, G., Canullo, R. Hazi, J., Kreyling, J., Szabó, G., Terziiska, T., Uđurlu, E., **Wellstein, C.**, Zimmermann, Z., Dengler, J. (2014) Effects of plot shape and arrangement on species richness counts in grasslands. - In: In: Mucina, L., Price, J.N., Kalwij, J.M. [Eds.]: Biodiversity and vegetation: patterns, processes, conservation: pp. 233-233. Kwongan Foundation, Perth.

**Wellstein, C.**, Jentsch, A., Chelli, S., Campetella, G., Canullo, R., Apostolova, I., Bloor, J., Cianfagione, K., Dengler, J., von Gillhaußen, P., Güler, P., Hazi, J., Komoly, C., Kreyling, J., Pottier, J., Szabó, G., Terziiska, T., Uđurlu, E., Zimmermann, Z., Bartha, S. (2014) Trait-based assembly rules across climatic gradients of European grasslands. - In: In: Mucina, L., Price, J.N., Kalwij, J.M. [Eds.]: Biodiversity and vegetation: patterns, processes, conservation: pp. 266-266. Kwongan Foundation, Perth.

Panzacchi P, Ventura M, **Wellstein C**, Angeli S, Brusetti L, Burruso L, Casagrande S, Scandellari F, Zerbe S, Tonon G (2014) Long term nitrogen deposition effect on carbon sink potential, biodiversity and functional characteristics of biotic communities in a *Quercus petraea* stand in Trentino Alto adige: a multidisciplinary approach. *Second International Congress of Silviculture, Florence, Italy*.

Campetella G, Canullo R, Mucina L, Kertész M, Ruprecht E, Penksza K, Chelli S, Csathó AI, Zimmermann Z, Komoly C, Szabó G, Hazi J, Besnyői V, Koncz P,

Čarni A, Paušić A, Juvan N, **Wellstein C**, Szépligeti M, Csete S, Kun R, Bartha S (2014) Solving the conflict between intensive and extensive approaches: transect based sampling design for comparative studies on fine scale plant community organization. *IAVS, Perth, Australia*.

Chelli S, **Wellstein C**, Campetella G, Bartha S, Cervellini M, Canullo R (2014) Plant traits drive species turnovers in the herb layer of old-growth beech forests. *Socita Botanica Italiana, Firenze*.

Campetella G, Bartha S, Chelli S, **Wellstein C**, Cervellini M, Canullo R (2014) Are species turnovers in the herb layer of old-growth beech forests driven by stochastic processes or by specific plant traits? *IAVS, Perth, Australia*.

Güler B, Kreyling J, Apostolova I, Bartha S, Bloor J, Campetella G, Hazi J, Stabò G, vpn Gillhaußen P, **Wellstein C**, Zimmermann Z, Dengler J (2014) Effect of plot shape and arrangement on species richness counts in grasslands. GfÖ annual conference 2014, Hildesheim, Germany

Güler B, Dengler J, Altan Y, Jentsch A, Kreyling J, Uğurlu E, **Wellstein C** (2014) Combined effects of drought, invasion and land use treatment in Turkish grasslands. GfÖ annual conference 2014, Hildesheim, Germany

**Wellstein C** (2014) Functional responses of plants to a changing climate. *19th German-American Frontiers of Science Symposium, Irvine, CA, USA*.

Cianfaglione K, **Wellstein C**, Chelli S, Campetella G, Cervellini M, Canullo R & il Consorzio SIGNAL (2013) Il progetto SIGNAL: Gradienti Europei di resilienza rispetto ai cambiamenti climatici. *Società Botanica Italiana (SBI) Trento, Italy*.

**Wellstein C**, Campetella G, Spada F, Chelli S, Mucina L, Canullo R, Bartha S (2013): Does functional diversity show maximum in fine-scale diversity hotspots? *56<sup>th</sup> IAVS Symposium, Tartu, Estonia*.

Dengler J, Jentsch A, Kreyling J, Beierkuhnlein C, **Wellstein C** & the SIGNAL Consortium (2013): European semi-natural grasslands under the triple threat of land-use change, climate change and biotic invasions: the BiodivERsA project SIGNAL. *10th European Dry Grassland Meeting (EDGG), Zamosc, Poland*.

Canullo R, **Wellstein C**, Campetella G (2013): Analyses of forest plant diversity – proposal. *ICP FOREST expert panel meeting, Freising, Germany*.

Gerdol R, Chelli S, Canullo R, **Wellstein C** (2013): Effetti del cambiamento climatico: rassegna delle conoscenze sul territorio italiano secondo la prospettiva cronologica della ricerca ecologica (The effects of climate change: review of the evidence from the Italian territory and the temporal scale perspective in ecology). *Global change Symposium, Modena, Italy.*

Chelli S, **Wellstein C**, Campetella G, Bartha S, Cervellini M, Canullo R (2013): Effetti di eventi climatici estremi sulla produttività delle praterie montane dell'Appennino (The effects of extreme climate changes on the productivity of mountain grasslands of Apennines). *Global change Symposium, Modena, Italy.*

**Wellstein C**, Scherer H (2013): Soil seed banks of alpine dry grassland habitats: implications for red list species. *22nd Workshop European Vegetation Survey (EVS), Roma, Italy.*

**Wellstein C**, Campetella G, Botta-Dukat Z, Canullo R, Gatto S, Chelli S, Bartha S (2013): Functional significance of vegetation changes in the beech-forest understory of the Apennines. *12th meeting on vegetation databases 'Linking vegetation and plant trait databases', Leipzig, Germany.*

**Wellstein C** (2013): Adaptation strategies to global change for biodiversity conservation in mountain areas. *East meets West: Transferring conservation approaches between Eastern and Western European landscapes, Univ. Göttingen, Germany.*

Chelli S., **Wellstein C**, Campetella G, Bartha S, Cervellini M, Canullo R (2013): Effects of extreme weather events on Apennines grasslands productivity. *Symposium for Research in Protected Areas, Hohe Tauern National Park, Mittersill, Austria.*

**Wellstein C** (2012): Functional variability in *Quercus pubescens* Willd. under climatic change. *Global Change in the Mediterranean Symposium, Sevilla, Spain.*

**Wellstein C**, Weig A, Spada F, Campetella G, Canullo R, Beierkuhnlein C (2012): Differences in gene expression of drought-stress candidate genes across natural populations of *Quercus pubescens* Willd. in Italy. *Abstr. IUFRO 2012, Genetics of Fagaceae. Bordeaux, France.*

**Wellstein C** (2012): Functional variability in *Quercus pubescens* Willd. under climatic change. *Abstr. 21st EVS workshop, Vienna, Austria: 65.*

Di Paolo S, Lucchese F, **Wellstein C** (2011): Biodiversità vegetale e parametri ambientali dell'habitat 6210 in un gradiente dell'Appennino (Alta Sabina e Cicolano, Lazio, IT). *Il contributo della Scienza della Vegetazione alla rete Natura 200, workshop SOCIETÀ BOTANICA ITALIANA - Gruppo per la Vegetazione*: 23.

**Wellstein C**, Paci P, Thiel D, Kreyling J, Jentsch A, Beierkuhnlein C (2011): Intraspecific variability in clonal growth in response to extreme climatic events. In: Bornette G & Puijalon S (eds), *Abstr. 54th IAVS-Symposium*, p. 132. Univ. Lyon 1, France.

**Wellstein C**, Spada F, Campetella G, Canullo R, Beierkuhnlein C, Weig A (2011): Molecular genetic evidence for clonal stands of *Quercus pubescens*? In: Bornette G & Puijalon S (eds), *Abstr. 54th IAVS-Symposium*, p. 122. Univ. Lyon 1, France.

Chelli S, **Wellstein C**, Campetella G, Bartha S, Spada F, Canullo R (2011): Variability in leaf functional traits in contrasting mountain grassland in the Central Apennines of Italy. In: Bornette G & Puijalon S (eds), *54th IAVS-Symposium*, p. 23. Univ. Lyon 1, France.

Beierkuhnlein C, **Wellstein C**, Kreyling J, Astor T, Jentsch A (2011): Sensitivity of Plant Species to Climatic Extremes during Grassland Succession. In: Bornette G & Puijalon S (eds), *Abstr. 54th IAVS-Symposium*, p. 203. Univ. Lyon 1, France.

Jentsch A, Kreyling J, Elmer M, Gellesch E, Glaser B, Grant K, Hein R, Lara M, Mirzaee H, Nadler SE, Nagy L, Otieno D, Pritsch K, Rascher U, Schädler M, Schloter M, Singh BK, Stadler J, Walter J, **Wellstein C**, Wöllecke J, Beierkuhnlein C (2011): Effects of recurrent severe drought on multiple ecosystem functions in temperate grasslands. In: Bornette G & Puijalon S (eds), *Abstr. 54th IAVS-Symposium*, p. 204. Univ. Lyon 1, France.

Gohlke A, Archner O, Beierkuhnlein C, **Wellstein C** (2011): Ontology-based data-integration on biotic interactions in a changing climate. *Verh. Ges. Ökol.* 41: 54-55.

**Wellstein C**, Spada F, Weig A, Campetella G, Canullo R, Beierkuhnlein C (2011): Molecular genetic evidence for clonal stands of *Quercus pubescens*. *Verh. Ges. Ökol.* 41: 105.

**Wellstein C**, Beierkuhnlein C, Kreyling J, Niemitz F, Jentsch A (2010): Effects of climate change on ecosystem functions. *Verh. Ges. Ökol.* 40: 188.

**Wellstein C**, Paci P, Thiel D, Kreyling J, Jentsch A, Canullo R, Campetella G, Beierkuhnlein C (2010): Variability of clonal growth of European grass species in climate change experiments. *Verh. Ges. Ökol.* 40: 200.

Gohlke A, **Wellstein C**, Beierkuhnlein C, FORKAST consortium (2010): Ecosystem research regarding climate adaptation. *Verh. Ges. Ökol.* 40: 201.

Gohlke A, **Wellstein C**, Beierkuhnlein C, FORKAST consortium (2010): Climatic Impacts on Ecosystems and Climatic Adaptation Strategies. *PIK Report, Potsdam Institut für Klimafolgenforschung* (115): 107.

**Wellstein C**, Beierkuhnlein C, Kreyling J, Niemitz F, Jentsch A. (2010): Effects of climate change on ecosystem functions. *Abstr. 53rd IAVS-Symposium, Ensenada, Baja California, México.*

**Wellstein C**, Kuss P, 2009. Functional response traits to climatic gradients in alpine dry grassland ecosystems. "From global change to molecular ecology", *Bayreuther Forum Ökologie* 115: 171.

**Wellstein C**, Beierkuhnlein C, FORKAST consortium (2009): Research strategies for the investigation of climate change impact on Central European grassland ecosystems. "From global change to molecular ecology", *Bayreuther Forum Ökologie* 115: 85

**Wellstein C**, Kuss P (2008): Patterns and relationships between species and functional diversity-conceptual frameworks under empirical scrutiny. In: Mucina L. et al. (eds), *Frontiers of Vegetation Science—An Evolutionary Angle*. p. 202-203. Keith Phillips Images, Somerset West, South Africa.

**Wellstein C** (2008): Global change effects on seedling recruitment in grasslands. p. 145. *Abstr. 17th Int. EVS-Workshop, Brno, Czech Republic.*

**Wellstein C** (2007): Effects of experimental and actual land use on seedling recruitment in mesic grasslands. *Verh. Ges. Ökol.* 37: 322.

**Wellstein C** (2007): Interaction effects of litter coverage and water availability on seedling emergence in three mesic grassland species. p. 108. *Abstr. 20th Ann. Conf. GfÖ Sect. Plant Popul. Biol., Basel, Switzerland.*

**Wellstein C**, Otte A & Waldhardt R (2006): The effects of management on seed bank diversity in grasslands of a changing marginal landscape. *Verh. Ges. Ökol.* 36: 278.

**Wellstein C**, Otte A & Waldhardt R (2005): Management practices and phytodiversity of mesic grasslands in a marginal region. p. 161-162. *Abstr. 48th IAVS-Symposium, Lisbon, Portugal.*

**Wellstein C**, Otte A & Waldhardt R (2005): Population structure and phenotypic plasticity of three functionally different mesic grassland species in relation to vegetation, site conditions and management. *Verh. Ges. Ökol.* 35: 73.

**Wellstein C**, Waldhardt R & Otte A (2005): Seed bank diversity in mesic grasslands and their relation to the vegetation and the effects of management. p. 99. *Abstr. 18th Ann. Conf. GfÖ Sect. Plant Popul. Biol., Potsdam, Germany.*

**Wellstein C**, Waldhardt R & Otte A (2005): Management practices and phytodiversity of mesic grasslands in a marginal region. *Abstr. Int. Workshop GfÖ Sect. Restor. Ecol., Giessen, Germany.*

**Wellstein C**, Waldhardt R & Otte A (2005): Management practices and phytodiversity of mesic grasslands in a marginal region. p. 257. *Abstr. Int. Conf. Multifunct. Landsc., Giessen, Germany.*

**Wellstein C**, Waldhardt R & Otte A (2004): Influence of management practices and site conditions on plant species-richness in mesic grasslands. *Verh. Ges. Ökol.* 34: 178.

**Wellstein C** (2002): Wandel der Bedingungen - Sukzession und Störung einer alpinen Schwemmebene im Licht aktueller Konzepte. *Abstr. Ann. Meet. GfÖ Sect. Restor. Ecol., Stuttgart/Hohenheim, Germany.*