

Georges Kunstler

Researcher

University studies and diplomas

- 1998 – 2000 **French Institute of Forestry, Agricultural and Environmental Engineering, FIF-ENGREF Nancy (now AgroParisTech).**
- 2000 – 2001 **Master in Ecology and Evolutionary biology, University Montpellier II.**
- 2005 **PhD Thesis in Ecology, University Montpellier II, Late-successional species dynamics and landscape transformation, Supervised by T. Curt & J. Lepart.**
Centre d'Ecologie Fonctionnelle et Evolutive, Montpellier
- 2015 **Habilitation Thesis (HDR), University Joseph Fourier Grenoble, Trees interactions and forest communities dynamics along abiotic gradients.**

Professional research experience

- 2001 – 2004 **PhD student.**
Irstea Clermont-Ferrand, Cefe-Cnrs Montpellier
- 2005 – 2006 **Post-doc, David Coomes Cambridge University, UK, Waitutu temperate forest simulation model development (SORTIE-NZ).** A collaborative project with: Rob Allen, Landcare Research (NZ), and Charles Canham, Institut of Ecosystem Studies (USA).
- 2006 – 2012 **Research Fellow, Irstea Grenoble, Mountain Ecosystems Unit.**
- 2012 – 2015 **Marie-Curie Fellow, Macquarie University Sydney - Irstea Grenoble, with Mark Westoby.**
- 2015 – **Research Fellow, Irstea Grenoble, Mountain Ecosystems Unit.**

Research projects

- 2007 – 2008 **DOC NZ, PI R. Allen, Budget for Irstea 10k Euros.**
Department of Conservation, New Zealand, Modeling Temperate rain forest dynamics with SORTIE-NZ
- 2008 – 2011 **REGECLIM DGFAR, Ministry of Agriculture, France, PI G. Kunstler, Budget for Irstea 60k Euros.**
Monitoring forest regeneration under climate change.
- 2008 – 2012 **Project INTERREG France-Suisse, PI M. Fuhr, Budget for Irstea 60k Euros.**
Mountain forest and protection against natural hazard.
- 2008 – 2012 **Project INTERREG Alcotra Italie-France, PI M. Fuhr, Budget for Irstea 40k Euros.**
Mountain forest and protection against natural hazard
- 2009 – 2012 **BACCARA FP7, PI H. Jactel Inra, Budget for Irstea 100k Euros.**
Biodiversity And Climate Change: A Risk Analysis.
- 2009 – 2012 **MANFRED Project Alpine Space, PI M. Hanewinkel, Budget for Irstea 100k Euros.**
Management strategies to adapt Alpine Space forests to climate change risks

- 2012 – 2014 **DIVCLIM DEB, Ministry of Environment project, France, PI Georges Kunstler**, Budget for Irstea 50k Euros.
Forest diversity and climate change.
- 2012 – 2015 **DEMO-TRAIS Marie-Curie Project FP7, PI G. Kunstler, with M. Westoby, Macquarie University Sydney**, Budget for Irstea 160k Euros.
Tree demography, functional traits and climate change
- 2017 – 2019 **REFORCE SUMFOREST ANR ERA-NET, PI B. Reineking Irstea Grenoble**, Budget for Irstea 200k Euros.
Resilience mechanisms for risk adapted forest management under climate change.
- 2017 – 2019 **MOUNTAIN Universite Grenoble Alpes, PI W. Thuiller Leca Cnrs**, Budget for Irstea 30k Euros.
Multi-trophic biodiversity and multi-functionality across alpine environments.
- 2018 – 2022 **FORBIC - Call “Make our planet great again”, ANR, PI Prof J. S. Clark - Duke University - USA**, Budget for Irstea 460k Euros.
FORecasting BIodiversity Change.

Membership of Scientific boards and committees

Member of the board of the French Ecological Society – awards committee chair.

Visiting scientists

Elena Granda (PhD student - CSIC Madrid, 2 monthds), Daniel Falster (Assistant Professor - University of New South Wales in Sydney, 1 month), Nathan Kraft (Associate Professor - UCLA, 1 week), Daniel Laughlin (Associate Professor - University of Wyoming, 1 month), Mark Westoby (Professor - Macquary University Sydney, 1 week), Paloma Ruiz-Benito (Post-Doc - University of Alcalá, Spain, 2 months).

Referee and evaluation

Journals Journal of Ecology, Ecology Letters, Ecological Monographs, Diversity and Distribution, Annals of Forest Science, Forest Ecology and Management, Ecological Modelling, Oikos, Journal of Biogeography, Journal of Vegetation Science, Plant Ecology, Forestry, Revue de Climatologie, Plant Ecology, New Zealand Journal of Ecology, Ecography, Global Ecology and Biogeography, Journal of Theoretical Biology, Functional Ecology, Oikos, Global Change Biology, American Naturalist, Nature, Nature Communication, Scientific Reports.

Editorial board Recommender for [PCI Ecology](#)

Funding agencies NSF, FP7, H2020, OSUG Grenoble University - France, GICC - France, ETH, Royal Society of New Zealand

Supervision

- PhD**
- **Xavier Laviron**, co-supervisor with Leca CNRS - on going. Joint species distribution models. Université Grenoble Alpes.
 - **Thomas Bourdier**, co-supervisor - 2016. Size inequality and forest productivity. Université Grenoble Alpes.
 - **Emmanuel Defosse**, main supervisor - 2012. Climate change and tree recruitment in mountain forest. Université Joseph Fourier, Grenoble I.
 - **Ghislain Vieilledent**, co-supervisor - 2009. Structuring uncertainty and variability of ecological processes in forest dynamics models – Application to Silver Fir and Norway Spruce coexistence. Université Joseph Fourier, Grenoble I.

- Post-Doc**
- **Flore Viard-Cretat**, 2010-2012. Climate, functional composition and diversity drive forest productivity in the French Alps.
 - **Katalyn Csillery**, 2011-2012. Hierarchical Bayesian models to estimate size, competition and climate effect on tree mortality.
 - **Arnaud Guyennon**, 2017-2019. Stochastic patch occupancy models for European forests.

- Master**
- **Guillaume Consoli**, Pine recruitment, vegetation competition and climate change.
 - **Jeanne Pottier**, Tree recruitment along an elevation gradient.
 - **Solène Knippin**, Do tree seedling growth and survival match the adult tree distribution along climatic gradient.
 - **Marie-Lou Noven**, Forest regeneration estimation with ABC methods.

PhD Committee and jury

- PhD comity**
- J. Fayard – Inra Avignon – Seed dispersion of *Cedrus*,
 - A. Amm – Inra Avignon – *Abies alba* and *Fagus sylvatica* recruitment along climatic gradient,
 - C. Dantec – Inra Bordeaux – Phylogenetic diversity of *Quercus*: selection by frost and Oidium,
 - N. Gaudio – Irstea Nogent sur Vernission - Interaction for light between adult trees, seedlings and ground vegetation.
 - M. Seignobosc - Irstea Grenoble. Climate change and tree mortality.
 - G. Lagarrigues - Irstea Grenoble. Climate change and Forest modelling.
 - C. Viguier - Irstea Grenoble. Grasslands individual-based model.
 - V. Jougne - Inra Avignon. Carbon allocation and tree fecundity.
 - B. Romero - Irstea Aix. Traits and fires tolerance of two Pine species.
 - L. Lacombe - Bordeaux University. Beech regeneration in its south edges.

- PhD jury**
- Y. Monnier - University Aix-Marseille I - Stratégies d'acclimatation à l'ombre et rôle des interactions plantes-plantes dans la dynamique pin-chêne en milieu méditerranéen,
 - E. Lines - Cambridge University, UK - Forest dynamics at regional scales : predictive models constrained with inventory data.
 - B. Tymen - University Toulouse - Tropical forest dynamics and LIDAR analysis.
 - E. Allié - French Guiana University, Tree communities assembly at local scale in tropical forest. an integrative approach.
 - A. Latreille - University Aix-Marseille, Adaptation in forest trees: Analysis of elevation gradients and transplant experiments of *Abies alba*.
 - T. Caignard - University Bordeaux, Phenotypic and genetic variability of the reproductive traits of two European white oak species (*Quercus petraea* and *Q. robur*).
 - M. Walbott - University Bordeaux, Beech regeneration at its distribution edges.
 - E. Schermer - Lyon University, Pollen limitation a central element in oak masting.

Teaching experience

At Irstea, teaching is not part of my compulsory duty, but I'm convinced that teaching has important mutual benefits for both students and researchers. I have been active in teaching in most of my career (I teach on average 15 hours per year). I have been teaching statistics and computing with R to postgraduate students, first during my post-doc at Cambridge University - UK and then at University Joseph Fourier Grenoble. I have been teaching a module on models in ecology in the master biodiversity, ecology and environment at University Joseph Fourier, Grenoble, for 5 years (one week per year including practicals class).

Publication record

I have published 42 articles in peer-reviewed international journals including prestigious ones such as **Nature**, **Ecological Monographs**, and **Ecology Letters**. My work had an increasing impact on the research community, with over **3131 citations**, **h-index of 25**, and an i10-index of 35 ([Google Scholar](#)). Moreover, **2 of my papers are ranked as 'highly cited papers' by ISI Web of Science**, including one as first author. I have also published two book chapters as a co-author.

Publications

1. Kunstler, G., T. Curt, and J. Lepart (2004). "Spatial pattern of beech (*Fagus sylvatica* L.) and oak (*Quercus pubescens* Mill.) seedlings in natural pine (*Pinus sylvestris* L.) woodlands". In: *European Journal of Forest Research* 123, pp. 331–337.
2. Coll, L., B. Prévosto, P. Balandier, and G. Kunstler (2005). "Plasticity in growth, biomass allocation and root morphology in beech seedlings as induced by irradiance and herbaceous competition". In: *Annals of Forest Science* 62, pp. 51–60.
3. Kunstler, G., T. Curt, M. Bouchaud, and J. Lepart (2005). "Growth, mortality, and morphological response of European beech and downy oak along a light gradient in sub-Mediterranean forest". In: *Canadian Journal of Forest Research* 35, pp. 1657–1668.
4. Alvarez, N., L. Mercier, M. Hossaert-McKey, J. Contreras-Garduno, G. Kunstler, A. Aebi, and B. Benrey (2006). "Ecological distribution and niche segregation of sibling species: the case of bean beetles, *Acanthoscelides obtectus* Say and *A. obvelatus* Bridwell". In: *Ecological Entomology* 31.6, pp. 582–590.
5. Kunstler, G., T. Curt, M. Bouchaud, and J. Lepart (2006). "Indirect facilitation and competition in tree species colonization of sub-Mediterranean grasslands". In: *Journal of Vegetation Science* 17, pp. 379–388.
6. Bee, J. N., G. Kunstler, and D. A. Coomes (2007). "Resistance and resilience of New Zealand tree species to browsing". In: *Journal of Ecology* 95.5, pp. 1014–1026.
7. Debain, S., J. Chadœuf, T. Curt, G. Kunstler, and J. Lepart (2007). "Comparing effective dispersal in expanding population of *Pinus sylvestris* and *Pinus nigra* in calcareous grassland". In: *Canadian Journal of Forest Research* 37.4, pp. 705–718.
8. Kunstler, G., J. Chadoeuf, E. K. Klein, T. Curt, M. Bouchaud, and J. Lepart (2007a). "Tree colonization of sub-Mediterranean grasslands: effects of dispersal limitation and shrub facilitation". In: *Canadian Journal of Forest Research* 37.1, pp. 103–115.
9. Kunstler, G., W. Thuiller, T. Curt, M. Bouchaud, R. Jouvie, F. Deruelle, and J. Lepart (2007b). "*Fagus sylvatica* L. recruitment across a fragmented Mediterranean Landscape, importance of long distance effective dispersal, abiotic conditions and biotic interactions". In: *Diversity and Distributions* 13.6, pp. 799–807.
10. Boulant, N., G. Kunstler, S. Rambal, and J. Lepart (2008). "Seed supply, drought, and grazing determine spatio-temporal patterns of recruitment for native and introduced invasive pines in grasslands". In: *Diversity and Distributions* 14.5, pp. 862–874.
11. Brooker, R. W., F. T. Maestre, R. M. Callaway, C. L. Lortie, L. A. Cavieres, G. Kunstler, P. Liancourt, K. Tielborger, J. M. J. Travis, F. Anthelme, C. Armas, L. Coll, E. Corcket, S. Delzon, E. Forey, Z. Kikvidze, J. Olofsson, F. Pugnaire, C. L. Quiroz, P. Saccone, K. Schiffers, M. Seifan, B. Touzard, and R. Michalet (2008). "Facilitation in plant communities: the past, the present, and the future". In: *Journal of Ecology* 96.1, pp. 18–34.
12. Coomes, D. A., G. Kunstler, C. D. Canham, and E. Wright (2009). "A greater range of shade-tolerance niches in nutrient-rich forests: an explanation for positive richness-productivity relationships?" In: *Journal of Ecology* 97.4, pp. 705–717.
13. Gross, N., G. Kunstler, P. Liancourt, F. De Bello, K. N. Suding, and S. Lavorel (2009). "Linking individual response to biotic interactions with community structure: a trait-based framework". In: *Functional Ecology* 23.6, pp. 1167–1178.
14. Kunstler, G., D. A. Coomes, and C. D. Canham (2009). "Size-dependence of growth and mortality influence the shade tolerance of trees in a lowland temperate rain forest". In: *Journal of Ecology* 97.4, pp. 685–695.
15. Vieilledent, G., B. Courbaud, G. Kunstler, J.-F. Dhôte, and J. S. Clark (2009). "Biases in the estimation of size-dependent mortality models: advantages of a semiparametric approach". In: *Canadian Journal of Forest Research* 39.8, pp. 1430–1443.

16. Vieilledent, G., B. Courbaud, G. Kunstler, and J.-F. Dhôte (2010a). “Mortality of silver fir and Norway Spruce in the Western Alps – a semi-parametric approach combining size-dependent and growth-dependent mortality”. In: *Annals of Forest Science* 67.3, p. 305.
17. Vieilledent, G., B. Courbaud, G. Kunstler, J.-F. Dhôte, and J. S. Clark (2010b). “Individual variability in tree allometry determines light resource allocation in forest ecosystems: a hierarchical Bayesian approach.” In: *Oecologia* 163, pp. 759–773.
18. Defosse, E., B. Courbaud, B. Marcais, W. Thuiller, E. Granda, and G. Kunstler (2011). “Do interactions between plant and soil biota change with elevation? A study on *Fagus sylvatica*”. In: *Biology Letters* 7.5, pp. 699–701.
19. Kunstler, G., C. H. Albert, B. Courbaud, S. Lavergne, W. Thuiller, G. Vieilledent, N. E. Zimmermann, and D. A. Coomes (2011). “Effects of competition on tree radial-growth vary in importance but not in intensity along climatic gradients”. In: *Journal of Ecology* 99, pp. 300–312.
20. Courbaud, B., G. Kunstler, X. Morin, and T. Cordonnier (2012). “Quel futur pour les services écosystémiques de la forêt alpine dans un contexte de changement climatique?” In: *Revue de Géographie Alpine*, pp. 1–12.
21. Courbaud, B., G. Vieilledent, and G. Kunstler (2012). “Intra-specific variability and the competition–colonisation trade-off: coexistence, abundance and stability patterns”. In: *Theoretical Ecology* 5, pp. 61–71.
22. Kunstler, G., S. Lavergne, B. Courbaud, W. Thuiller, G. Vieilledent, N. E. Zimmermann, J. Kattge, and D. A. Coomes (2012). “Competitive interactions between forest trees are driven by species’ trait hierarchy, not phylogenetic or functional similarity: implications for forest community assembly.” In: *Ecology letters* 15.8, pp. 831–40.
23. Brooker, R., Z. Kikvidze, G. Kunstler, P. Liancourt, and M. Seifan (2013). “The concept and measurement of importance: a comment on Rees et al. 2012”. In: *Journal of Ecology* 101.6, pp. 1369–1378.
24. Csilléry, K., M. Seignobosc, V. Lafond, G. Kunstler, and B. Courbaud (2013). “Estimating long-term tree mortality rate time series by combining data from periodic inventories and harvest reports in a Bayesian state-space model”. In: *Forest Ecology and Management* 292, pp. 64–74.
25. Kunstler, G., R. B. Allen, D. A. Coomes, C. D. Canham, and E. F. Wright (2013). “Sustainable management, earthquake disturbances, and transient dynamics: modelling timber harvesting impacts in mixed-species forests”. In: *Annals of forest science* 70.3, pp. 287–298.
26. Rabasa, S. G., E. Granda, R. Benavides, G. Kunstler, J. M. Espelta, R. Ogaya, J. Penuelas, M. Scherer-Lorenzen, W. Gil, W. Grodzki, S. Ambrozy, J. Bergh, J. A. Hodar, R. Zamora, and F. Valladares (2013). “Disparity in elevational shifts of European trees in response to recent climate warming”. In: *Global Change Biology* 19.8, pp. 2490–2499.
27. Rasmann, S., L. Pellissier, E. Defosse, H. Jactel, and G. Kunstler (2013). “Climate-driven change in plant-insect interactions along elevation gradients”. In: *Functional Ecology* 28, pp. 46–54.
28. Vila, M., A. Carrillo-Gavilan, J. Vayreda, H. Bugmann, J. Fridman, W. Grodzki, J. Haase, G. Kunstler, M. Schelhaas, and A. Trasobares (2013). “Disentangling Biodiversity and Climatic Determinants of Wood Production”. In: *PLoS ONE* 8.2, e53530.
29. Jung, V., C. H. Albert, C. Violle, G. Kunstler, G. Loucougaray, and T. Spiegelberger (2014). “Intraspecific trait variability mediates the response of subalpine grassland communities to extreme drought events”. In: *Journal of Ecology* 102.1, pp. 45–53.
30. Thuiller, W., T. Münkemüller, K. H. Schiffers, D. Georges, S. Dullinger, V. M. Eckhart, T. C. Edwards, D. Gravel, G. Kunstler, C. Merow, K. Moore, C. Piedallu, S. Vissault, N. E. Zimmermann, D. Zurell, and F. M. Schurr (2014). “Does probability of occurrence relate to population dynamics?” In: *Ecography* 37, pp. 1155–1166.
31. Cordonnier, T. and G. Kunstler (2015). “The Gini index brings asymmetric competition to light”. In: *Perspectives in Plant Ecology, Evolution and Systematics* 17.2, pp. 107–115.
32. Forsyth, D. M., D. M. Wilson, T. A. Easdale, G. Kunstler, C. D. Canham, W. A. Ruscoe, E. F. Wright, L. Murphy, A. M. Gormley, A. Gaxiola, and D. A. Coomes (2015). “Century-scale effects of invasive deer and rodents on the dynamics of forests growing on soils of contrasting fertility”. In: *Ecological Monographs* 85, pp. 84–93.

33. Bourdier, T., T. Cordonnier, G. Kunstler, C. Piedallu, G. Lagarrigues, and B. Courbaud (2016). “Tree Size Inequality Reduces Forest Productivity: An Analysis Combining Inventory Data for Ten European Species and a Light Competition Model”. In: *PLOS ONE* 11.3, e0151852.
34. Defosse, E., B. Courbaud, O. Lasbouygues, K. Schiffers, and G. Kunstler (2016). “The variation of direct and indirect interaction along climatic gradient depends on species strategies: an experiment on tree seedling survival.” In: *Oikos* 125, pp. 708–717.
35. Kunstler, G., D. Falster, D. A. Coomes, F. Hui, R. M. Kooyman, D. C. Laughlin, L. Poorter, M. Vanderwel, G. Vieilledent, S. J. Wright, M. Aiba, C. Baraloto, J. Caspersen, J. H. C. Cornelissen, S. Gourlet-Fleury, M. Hanewinkel, B. Herault, J. Kattge, H. Kurokawa, Y. Onoda, J. Peñuelas, H. Poorter, M. Uriarte, S. Richardson, P. Ruiz-Benito, I-F. Sun, G. Ståhl, N. G. Swenson, J. Thompson, B. Westerlund, C. Wirth, M. A. Zavala, H. Zeng, J. K. Zimmerman, N. E. Zimmermann, and M. Westoby (2016). “Plant functional traits have globally consistent effects on competition”. In: *Nature* 529, pp. 204–207.
36. Vanderwel, M. C., H. Zeng, J. P. Caspersen, G. Kunstler, and J. W. Lichstein (2016). “Demographic controls of aboveground forest biomass across North America”. In: *Ecology Letters* 19.4, pp. 414–423.
37. Westoby, M., G. Kunstler, M. L. Leishman, and J. Morgan (2016). “How Species Boundaries Are Determined: A Response to Alexander et al.” In: *Trends in Ecology & Evolution* 32, pp. 7–8.
38. Chauvet, M., G. Kunstler, J. Roy, and X. Morin (2017). “Using a forest dynamics model to link community assembly processes and traits structure”. In: *Functional Ecology* 31, pp. 1452–1461.
39. Csilléry, K., G. Kunstler, B. Courbaud, D. Allard, P. Lassegues, K. Haslinger, and B. Gardiner (2017). “Coupled effects of wind-storms and drought on tree mortality across 115 forest stands from the Western Alps and the Jura mountains”. In: *Global Change Biology* 23, pp. 5092–5107.
40. Fuhr, M., T. Cordonnier, B. Courbaud, G. Kunstler, E. Mermin, C. Riond, and P. Tardif (2017). “Data papers: Long-term tree inventory data from mountain forest plots in France”. In: *Ecology* 98, p. 1180.
41. Cordonnier, T., G. Kunstler, B. Courbaud, and X. Morin (2018). “Managing Tree Species Diversity and Ecosystem Functions through Coexistence Mechanisms”. In: *Annals of Forest Science* 75.3.
42. Van der Plas, F., S. Ratcliffe, P. Ruiz-Benito, M. Scherer-Lorenzen, K. Verheyen, C. Wirth, M. A. Zavala, E. Ampoorter, L. Baeten, L. Barbaro, C. C. Bastias, J. Bauhus, R. Benavides, A. Benneter, D. Bonal, O. Bouriaud, H. Bruelheide, F. Bussotti, M. Carnol, B. Castagneyrol, Y. Charbonnier, J. H. C. Cornelissen, J. Dahlgren, E. Checko, A. Coppi, S. M. Dawud, M. Deconchat, P. De Smedt, H. De Wandeler, T. Domisch, L. Finér, M. Fotelli, A. Gessler, A. Granier, C. Grossiord, V. Guyot, J. Haase, S. Hättenschwiler, H. Jactel, B. Jaroszewicz, F.-X. Joly, T. Jucker, S. Kambach, G. Kaendler, J. Kattge, J. Koricheva, G. Kunstler, A. Lehtonen, M. Liebergesell, P. Manning, H. Milligan, S. Müller, B. Muys, D. Nguyen, C. Nock, B. Ohse, A. Paquette, J. Peñuelas, M. Pollastrini, K. Radoglou, K. Raulund-Rasmussen, F. Roger, R. Seidl, F. Selvi, J. Stenlid, F. Valladares, J. van Keer, L. Vesterdal, M. Fischer, L. Gamfeldt, and E. Allan (2018). “Continental Mapping of Forest Ecosystem Functions Reveals a High but Unrealised Potential for Forest Multifunctionality”. In: *Ecology Letters* 21.1, pp. 31–42.
43. Cordonnier, Thomas, Charline Smadi, Georges Kunstler, and Benoît Courbaud (2019). “Asymmetric Competition, Ontogenetic Growth and Size Inequality Drive the Difference in Productivity between Two-Strata and One-Stratum Forest Stands”. en. In: *Theoretical Population Biology*, S004058091930022X. ISSN: 00405809. DOI: 10.1016/j.tpb.2019.07.001.
44. Guyennon, Arnaud, Björn Reineking, Jonas Dahlgren, Gerald Kändler, Alekski Lehtonen, Sophia Ratcliffe, Paloma Ruiz-Benito, Miguel A. Zavala, and Georges Kunstler (2019). *Local Patch Occupancy Dynamics Match the Distribution of European Trees at Continental Scale*. en. Preprint. Ecology. DOI: 10.1101/748483.
45. Jourdan, M., G. Kunstler, and X. Morin (2019). “How Neighborhood Interactions Control the Temporal Stability and Resilience to Drought of Trees in Mountain Forests. Jourdan, Marion; Kunstler, Georges; Morin, Xavier”. In: *Journal of Ecology* in press.
46. Kambach, Stephan, Eric Allan, Simon Bilodeau-Gauthier, David A. Coomes, Josephine Haase, Tommaso Jucker, Georges Kunstler, Sandra Müller, Charles Nock, Alain Paquette, Fons Plas, Sophia Ratcliffe, Fabian Roger, Paloma Ruiz-Benito, Michael Scherer-Lorenzen, Harald Auge, Olivier Bouriaud, Bastien Castagneyrol, Jonas Dahlgren, Lars Gamfeldt, Hervé Jactel, Ger-

ald Kändler, Julia Koricheva, Aleksii Lehtonen, Bart Muys, Quentin Ponette, Nuri Setiawan, Thomas Van de Peer, Kris Verheyen, Miguel A. Zavala, and Helge Bruelheide (2019). “How Do Trees Respond to Species Mixing in Experimental Compared to Observational Studies?” en. In: *Ecology and Evolution*, ece3.5627. ISSN: 2045-7758, 2045-7758. DOI: 10.1002/ece3.5627.

Seminars, conferences, workshops and poster (o= oral, p= poster, i=invited)

1. **Kunstler G.**, J. Lepart, T. Curt, B. Prévosto. (2002). Shade-tolerance and regeneration niche of European beech and Downy oak. Functional Ecology Meeting . Gourdon, 5-8 mars. (p)
2. **Kunstler G.**, J. Lepart, T. Curt, B. Prévosto. (2002). Shade-tolerance of European beech and Downy oak. Meeting of the Population Biology and Genetic Group. 27-30 august Montpellier. (p)
3. **Kunstler G.**, J. Lepart, T. Curt, M. Bouchaud. (2003). Growth-mortality relationship for European beech and Downy oak. Functional Ecology Meeting. Nancy. (o)
4. **Kunstler G.**, J. Lepart, T. Curt, M. Bouchaud. (2003). Shade-tolerance for European beech and Downy oak. Forest regeneration meeting. Nancy 4-5 November. (o)
5. **Kunstler, G.**, Coomes, D., Canham, C. Angiosperm trees outgrow conifer on fertile and infertile soils in New Zealand. 90th Annual Meeting of the Ecological Society of America (ESA) and IX INTECOL International Congress of Ecology. August 7-12 (2005). Montréal, Canada. (p)
6. **Kunstler, G.**, J. Lepart, T. Curt, J. Chadoff, E. Klein, M. Bouchaud. (2006). Colonisation des pelouses sub-méditerranéennes par les arbres : Effets de la limitation par la dispersion et de la facilitation par les buissons. Symposium "Ecologie des Communautés végétales". Institut Universitaire de Technologie de l'université d'Avignon, 05 au 07 avril. (o)
7. **Kunstler, G.**, T. Curt, J. Lepart. (2006). *Fagus sylvatica* L. recruitment in a fragmented Mediterranean Landscape. Importance of long distance effective dispersal from relictual populations, and effect of abiotic and biotic interactions. Understanding Biodiversity Loss: A Workshop on Forest Fragmentation. Grenoble 16-17 May 2006. (o)
8. **Kunstler G.**, J. Lepart, T. Curt, M. Bouchaud. (2006). Indirect facilitation of tree seedlings recruitment in Peri-Mediterranean forest. Arcachon ESF Workshop on facilitation. (o)
9. Evette, A., **Kunstler, G.** & Bornette, G. (2007). Peut-on estimer les parts respectives de l'adaptation et du poids phylogénique dans l'expression des traits de clonalité des communautés végétales ? Symposium "Ecologie des Communautés végétales". Université Bordeaux I, 14 au 16 mars. (o)
10. **Kunstler, G.** (2007). Modélisation de la dynamique de forêts tempérées humides de Nouvelle-Zélande. Séminaire URFM Inra Avignon. (o)
11. Bystriakova, N., **Kunstler G.** & Coomes D.A. (2007). Comparing tree fern diversity on tropical and non-tropical oceanic islands using climatic niche modelling approach. Botany and Plant Biology Joint (American Society of Plant Biologist & Botanical Society of America). Congress Chicago USA. (o)
12. **Kunstler, G.** Vieilledent, G. Courbaud, B. (2009). Impact of climate constrains and individual level variability on tree-tree interactions in mountain mixed-forests. Mixed Forests 6 – 7 Octobre Nancy. (o) (i).
13. Defosse E., Lasbouygues O., Courbaud B., Granda E, Tardif P & **Kunstler G.** (2010). Régénération des forêts : les taux d' herbivorie et d'infection par les pathogènes varient-ils le long d'un gradient altitudinal ? Ecologie 2010 2-4 Septembre Montpellier. (p)
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