

## Les publications 2016 de la ZAA

- Lefebvre, T., Millery-Vigues A., Gallet C. (2016) Does leaf optical absorbance reflect the polyphenol content of alpine plants along an elevational gradient? *Alpine Botany* 126, 177-185.
- Roquet C., Coissac E., Cruaud C., Boleda M., Boyer F., Alberti A., Gielly L., Taberlet P., Thuiller W., Van Es J., Lavergne S. (2016) Understanding the evolution of holoparasitic plants: the complete plastid genome of the holoparasite *Cytinus hypocistis* (Cytinaceae). *Annals of Botany*, 118, 885-896
- Legay N., Grassein F., Binet M. N., Arnoldi C., Personeni E., Perigon S., Poly F., Pommier T., Puissant J., Clement J. C., Lavorel S., Mouhamadou B. (2016) Plant species identities and fertilization influence on arbuscular mycorrhizal fungal colonisation and soil bacterial activities. *Applied Soil Ecology* 98, 132-139.
- Wahl A.-L., Spiegelberger T. (2016) Arbuscular mycorrhizal fungi in changing mountain grassland ecosystems: a challenge for research. *Botany* 94, 435-458.
- Colloff M. J., Doherty M. D., Lavorel S., Dunlop M., Wise R. M., Prober S. M. (2016) Adaptation services and pathways for the management of temperate montane forests under transformational climate change. *Climatic Change* 138, 267-282.
- Crouzat E., Martin-Lopez B., Turkelboom F., Lavorel S. (2016) Disentangling trade-offs and synergies around ecosystem services with the influence network framework: illustration from a consultative process over the French Alps. *Ecology and Society* 21. (2), 32. DOI :10.5751/ES-08494-210232
- Barros C., Thuiller W., Georges D., Boulangeat I., Münkemüller T. (2016) N-dimensional hypervolumes to study stability of complex ecosystems. *Ecology Letters*, 19, 729-742
- Dupire S., Bourrier F., Monnet J.-M., Bigot S., Borgniet L., Berger F., Curt T. (2016) The protective effect of forests against rockfalls across the French Alps: Influence of forest diversity. *Forest Ecology and Management* 382, 269-279. DOI :10.1016/j.foreco.2016.10.020
- Frejaville T., Curt T., Carcaillet C. (2016) Tree cover and seasonal precipitation drive understory flammability in alpine mountain forests. *Journal of Biogeography* 43, 1869-1880.
- Winkler, M., A. Lamprecht, K. Steinbauer, K. Huelber, J.-P. Theurillat, F. Breiner, P. Choler, S. Ertl, A. G. Giron, G. Rossi, P. Vittoz, M. Akhalkatsi, C. Bay, J.-L. B. Alonso, T. Bergstroem, M. L. Carranza, E. Corcket, J. Dick, B. Erschbamer, R. F. Calzado, A. M. Fosaa, R. G. Gavilan, D. Ghosn, K. Gigauri, D. Huber, R. Kanka, G. Kazakis, M. Klipp, J. Kollar, T. Kudernatsch, P. Larsson, M. Mallaun, O. Michelsen, P. Moiseev, D. Moiseev, U. Molau, J. M. Mesa, U. M. di Cella, L. Nagy, M. Petey, M. Puscas, C. Rixen, A. Stanisci, M. Suen, A. O. Syverhuset, M. Tomaselli, P. Unterluggauer, T. Ursu, L. Villar, M. Gottfried, H. Pauli (2016) The rich sides of mountain summits - a pan-European view on aspect preferences of alpine plants. *Journal of Biogeography* 43, 2261-2273.
- Schermer M., Darnhofer I., Daugstad K., Gabillet M., Lavorel S., Steinbacher M. (2016) Institutional impacts on the resilience of mountain grasslands: an analysis based on three European case studies. *Land Use Policy* 52, 382-391.
- Gos P., Loucougaray G., Colace M.-P., Arnoldi C., Gaucherand S., Dumazel D., Girard L., Delorme S., S. Lavorel (2016) Relative contribution of soil, management and traits to co-variations of multiple ecosystem properties in grasslands. *Oecologia* 180, 1001-1013.

Gallien L., Thuiller W., Fort N. Boleda M. Alberto F.J., Rioux D., Lainé J., Lavergne S. (2016) Is there any evidence for rapid, genetically-based, climatic niche expansion in the invasive common ragweed? *Plos One*, 11(4), e0152867

Walz A., Gret-Regamey A. S. Lavorel (2016) Social valuation of ecosystem services in mountain regions. *Regional Environmental Change* 16, 1985-1987.

Dedieu J.-P., Carlson B. Z., Bigot S., Sirguey P., Vionnet V., Choler P. (2016) on the importance of high-resolution time series of optical imagery for quantifying the effects of snow cover duration on alpine plant habitat. *Remote Sensing* 8, 481-481.

Jusselme M.-D., Saccone P., Zinger L., Faure M., Le Roux X., Guillaumaud N., Bernard L., Clement J.-C., Poly F. (2016) Variations in snow depth modify N-related soil microbial abundances and functioning during winter in subalpine grassland. *Soil Biology & Biochemistry* 92, 27-37.