# Selected publications of the GLORIA network

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| **2024** | Lodetti, S., Orsenigo, S., Erschbamer, B., Stanisci, A., Tomaselli, M., Petraglia, A., Carbognani, M. & di Cecco, V. (2024). A new approach for assessing winning and losing plant species facing climate change on the GLORIA alpine summits. Flora 310: 152441 (12 pp). https://doi.org/10.1016/j.flora.2023.152441 |
| **2023** | Bertol, N., Nicklas, L., Mallaun, M. & Erschbamer, B. (2023). Plant communities along elevational and temporal gradients at the GLORIA sites in the Dolomites. Gredleriana 22: 85-101. |
|  | Chytrý, K., Helm, N., Hülber, K., Moser, D., Wessely, J., Hausharter, J., Kollert, A., Mayr, A., Rutzinger, M., Winkler, M., Pauli, H., Saccone, P., Paetzolt, M., Hietz, P. & Dullinger, S. (2023). Limited impact of microtopography on alpine plant distribution. Ecography, e06744, 13 pp. https://doi.org/10.1111/ecog.06744 |
|  | Cuesta, F., Carilla, J, Llambí, L.D., Muriel, P., Lencinas, M.V., Meneses, R.I., Feeley, K.J., Pauli, H., Aguirre, N., Beck, S., Bernardi, A., Cuello, S., Duchicela, S.A., Eguiguren, P., Gamez, L.E., Halloy, S., Hudson, L., Jaramillo, R., Peri, P.L., Ramírez, L.A., Rosero‐Añazco, P., Thompson, N., Yager, K. & Tovar, C. (2023). Compositional shifts of alpine plant communities across the high Andes. Global Ecology and Biogeography. Compositional shifts of alpine plant communities across the high Andes. Global Ecology and Biogeography, 16 pp. https://doi.org/10.1111/geb.13721 |
|  | Pauli, H., Bardy-Durchhalter, M., Euller, K., Kagerl, K., Lamprecht, A., Saccone, P. & Winkler, M. (2023). Alpine plant diversity monitoring in protected areas: The GLORIA observation network after 20 years of operation. In Wrbka, T. & Egger, A. (eds.), (2023). 7th International Symposium for Research in Protected Areas 7-9 September 2022, Vienna, Austria. Conference Volume: 201-205. Nationalparks Austria, Orth an der Donau. ISBN: 978-3-200-08898-6 https://uscholar.univie.ac.at/detail/o:1659552 |
|  | Ssali, F., Mugerwa, B., van Heist, M., Sheil, D., Kirunda, B., Musicante, M., Seimon, A. & Halloy, S. (2023). Plant diversity and composition vary with elevation on two equatorial high mountains in Uganda: baselines for assessing the influence of climate change. Alpine Botany 133: 149-161.https://doi.org/10.1007/s00035-023-00301-9 |
|  | Xystrakis, F., Poulis, G., Damianidis, C., Sakellarakis, F.-N., Tsachouridis, M., Eleftheriadou, A., & Chatzitriantafyllou, M. (2023). Floristic, chorological and life-form patterns at the highest summits of Mt Olympus, Greece. Botany Letters, 14 pp.  https://doi.org/10.1080/23818107.2023.2276690 |
| **2022** | Hagenberg, L.W.C., Vanneste, T., Opedal, Ø.H., Torsdatter Petlund, H., Björkman, M.P., Björk, R.G., Holien, H., Limpens, J., Molau, U., Graae, B.J. & De Frenne, P. (2022). Vegetation change on mountaintops in northern Sweden: Stable vascular-plant but reordering of lichen and bryophyte communities. Ecological Research, 16 pp. https://esj-journals.onlinelibrary.wiley.com/doi/10.1111/1440-1703.12359 |
|  | Lim, M.C.W., Seimon, A., Nightingale, B., Xu, C.C.Y, Halloy, S.R.P., Solon, A.J., Dragone, N.B., Schmidt, S.K., Tait, A., Elvin, S., Elmore, A.C. & Seimon, T.A. (2022). Estimating biodiversity across the tree of life on Mount Everest’s southern flank with environmental DNA. iScience, 22 pp. https://doi.org/10.1016/j.isci.2022.104848 |
|  | Porro, F., Orsenigo, S., Abeli, T., Mondoni, A., Corli, A., White, F.J., Lodetti, S., Tomaselli, M., Petraglia, A., Carbognani, M., Gualmini, M., Forte, T.G.W., Erschbamer, B., Nicklas, L., Carnicero, P., Mallaun, M, Unterluggauer, P., Stanisci, A., Giancola, C., di Martino, L., Barni, E., Oddi, L., Morra di Cella, U., Gentili, R., Dellavedova, R., Adorni, M., Pauli, H. & Rossi, G. (2022). Richer, greener, and more thermophilous? – a first overview of global warming induced changes in the Italian alpine plant communities within the new GLORIA ITALIA NETWORK. Plant Biosystems, 156: 307-311. |
|  | Staude., I.R., Pereira, H.M., Daskalova, G., Bernhardt-Römermann, M., Diekmann, M., Pauli, H., Van Calster, H., Vellend, M., Bjorkman, A.D., Brunet, J., De Frenne, P., Hédl, R., Jandt, U., Lenoir, J., Myers-Smith, I.H., Verheyen, K., Wipf, S., Wulf, M., Andrews, C., Barančok, P., Barni, E., Benito-Alonso, J.-L., Bennie, J., Berki, I., Blüml, V., Chudomelová, M., Decocq, G., Dick, J., Dirnböck, T., Durak, T., Eriksson, O., Erschbamer, B., Graae, B.J., Heinken, T., Høistad Schei, F., Jaroszewicz, B., Kopecký, M., Kudernatsch, T., Macek, M., Malicki, M., Máliš, F., Michelsen, O., Naaf, T., Nagel, T.A., Newton, A.C., Nicklas, L., Oddi, L., Ortmann-Ajkai, A., Palaj, A., Petraglia, A., Petřík, P., Pielech, R., Porro, F., Puşcaş, M., Kamila Reczyńska, Rixen, C., Schmidt, W., Standovár, T., Steinbauer, K., Świerkosz, K., Teleki, B., Theurillat, J.-P., Turtureanu, P.D., Ursu, T.-M., Vanneste, T., Vergeer, P., Vild, O., Villar, L., Vittoz, P., Winkler, M. & Baeten, L. (2022). Directional turnover towards larger-ranged plants over time and across habitats. Ecology Letters 25, 466-482. |
|  | Steinbauer, K., Lamprecht, A., Winkler, M., Di Cecco, V., Fasching, V., Ghosn, D., Maringer, A., Remoundou, I., Suen, M., Stanisci, A., Venn, S., Pauli, H. (2022). Recent changes in high-mountain plant community functional composition in contrasting climate regimes. Science of the Total Environment 829: 154541 (12 pp). http://dx.doi.org/10.1016/j.scitotenv.2022.154541 |
| **2021** | Bürli, S., Theurillat, J. P., Winkler, M., Lamprecht, A., Pauli, H., Rixen, C., Steinbauer, K., Wipf, S., Abdaladze, O., Andrews, C., Barancok, P., Benito-Alonso, J. L., Calzado, M. R. F., Carranza, M. L., Dick, J., Erschbamer, B., Ghosn, D., Gigauri, K., Kazakis, G., Mallaun, M., Michelsen, O., Moiseev, D., Moiseev, P., Molau, U., Molero Mesa, J., Morra di Cella, U., Nadeem, I., Nagy, L., Nicklas, L., Palaj, A., Pedersen, B., Petey, M., Puşcaş, M., Rossi, G., Stanisci, A., Tomaselli, M., Unterluggauer, P., Ursu, T.-M., Villar, L., & Vittoz, P. (2021). A common soil temperature threshold for the upper limit of alpine grasslands in European mountains. Alpine Botany. https://doi.org/10.1007/s00035-021-00250-1 |
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|  | Duchicela, S.A., Cuesta, F., Tovar, C., Muriel, P., Jaramillo, R., Salazar, E. & Pinto, E. (2021). Microclimatic warming leads to a decrease in species and growth form diversity: insights from a tropical alpine grassland. Frontiers in Ecology and Evolution 9, 673655, 15 pp. doi: 10.3389/fevo.2021.673655 |
|  | Hamid, M., Khuroo, A.A., Malik, A.H., Ahmad, R. & Singh, C.P. (2021). Elevation and aspect determine the differences in soil properties and plant species diversity on Himalayan mountain summits. Ecological Research 36/2: 340-352. https://doi.org/10.1111/1440-1703.12202 |
|  | Jimenez-Alfaro, B., Abdulhak, S., Attorre, F., Bergamini, A., Carranza, M. L., Chiarucci, A., Custerevska, R., Dullinger, S., Gavilan, R. G., del Galdo, G. G., Kuzmanovic, N., Laiolo, P., Loidi, J., Malanson, G. P., Marceno, C., Milanovic, D., Pansing, E. R., Roces-Diaz, J. V., Ruprecht, E., Sibik, J., Stanisci, A., Testolin, R., Theurillat, J. P., Vassilev, K., Willner, W., & Winkler, M. (2021). Post-glacial determinants of regional species pools in alpine grasslands. Global Ecology and Biogeography. https://doi.org/10.1111/geb.13274 |
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|  | Kuo, C.-C., Su, Y., Liu, H.-Y. & Lin, C.-T. (2021). Assessment of climate change effects on alpine summit vegetation in the transition of tropical to subtropical humid climate. Plant Ecology 222: 933–951. |
|  | Lamprecht, A., Pauli, H., Fernández Calzado, M. R., Lorite, J., Molero Mesa, J., Steinbauer, K., & Winkler, M. (2021). Changes in plant diversity in a water-limited and isolated high-mountain range (Sierra Nevada, Spain). Alpine Botany. https://doi.org/10.1007/s00035-021-00246-x |
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|  | Nicklas, L., Trenkwalder, I., Mallaun, M., Unterluggauer, P. & Erschbamer, B. (2021). Species and community dynamics on siliceous summits of the Texelgruppe – Gruppo di Tessa, South Tyrol, Northern Italy. Gredleriana 21: 77-93. DOI: 10.5281/zenodo.5268650 |
|  | Nicklas, L., Walde, J., Wipf, S., Lamprecht, A., Mallaun, M., Rixen, C., Steinbauer, K., Theurillat, J.-P., Unterluggauer, P., Vittoz, P., Moser, D., Gattringer, A., Wessely, J., & Erschbamer, B. (2021). Climate change affects vegetation differently on siliceous and calcareous summits of the European Alps. Frontiers in Ecology and Evolution, 9(Article 642309), 1-15. https://doi.org/10.3389/fevo.2021.642309 |
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| **2020** | Cuesta, F., Tovar, C., Llambi, L. D., Gosling, W. D., Halloy, S., Carilla, J., Muriel, P., Meneses, R. I., Beck, S., Ulloa-Ulloa, C., Yager, K., Aguirre, N., Vinas, P., Jacome, J., Suarez-Duque, D., Buytaert, W., & Pauli, H. (2020). Thermal niche traits of high alpine plant species and communities across the tropical Andes and their vulnerability to global warming. Journal of Biogeography, 47(2), 408-420. https://doi.org/10.1111/jbi.13759 |
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|  | Gámez, L. E., Llambí, L. D., Ramírez, L., Pelayo, R. C., Torres, J. E., Márquez, N., Azócar, C., Muriel, P., & Cuesta, F. (2020). Contribución al conocimiento de la vegetación Altoandina: Riqueza florística y clave para la identificación de plantas vasculares en cumbres de la red GLORIA-Andes en Venezuela. Pittieria, 44, 76-103. |
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