Publications

Books

[1] **Corlatti, L.** and F. Zachos [Eds.]. 2022. *Terrestrial Cetartiodactyla* – Handbook of the Mammals of Europe. *Springer Nature*, Heidelberg.

Monographs

[1] Miller, C. and **L. Corlatti**. 2014. Das Gamsbuch [The chamois book], 2nd edition. *Neumann & Neudamm Verlag*, Melsungen.

Chapters in books

[2] Mattioli, S., Zachos, F.E., Rossi, L., Lister, A.M., and **L. Corlatti**. 2022. Red Deer *Cervus elaphus* Linnaeus, 1758. In **Corlatti, L.** and F. Zachos (Eds): *Terrestrial Cetartiodactyla* – Handbook of the Mammals of Europe, pp. 325-366. *Springer Nature*, Heidelberg.

[1] **Corlatti, L.**, Herrero, J., Ferretti, F., Anderwald, P., García-González, R., Hammer, S., Nores, C., Rossi, L. and S. Lovari. 2022. Northern Chamois *Rupicapra rupicapra* (Linnaeus, 1758) and Southern Chamois *Rupicapra pyrenaica* Bonaparte, 1845. In **Corlatti, L.** and F. Zachos (Eds): *Terrestrial Cetartiodactyla* – Handbook of the Mammals of Europe, pp. 51-86. *Springer Nature*, Heidelberg.

Indexed peer-reviewed articles (5 most relevant publications indicated with \*)

[56] Milošević-Zlatanović, S., Vukov, T., Chovancová, G., Anderwald, P., **Corlatti, L.** and N. Tomašević Kolarov. 2022. Cranial integration and modularity in chamois: the effects of subspecies and sex. *Journal of Mammalian Evolution*, in press.

[55] Cotza, A., **Corlatti, L.**, Ferretti, F., Tomassini, O., Santoro, J., Bassano, B., and S. Lovari. 2022. Alternative reproductive tactics: a fixed trait in a large mammal? *Animal Behavior*, in press.

[54] Cozzi, F., Iacona, E., Ferretti, F. and **L. Corlatti**. 2022. Effectiveness of a commercial lure to attract red fox. *Mammal Research*, 67: 511–517.

[53] Forti, A., Partel, P., Orsingher M.J., Volcan, G., Dorigatti, E., Pedrotti, L. and **L. Corlatti**. 2022. A comparison of capture–mark–recapture and camera- based mark-resight to estimate abundance of Alpine marmot (*Marmota marmota*). *Journal of Vertebrate Biology*, 71: 22023.

[52] Zenth, F., **Corlatti, L.**, Giacomelli, S., and V. Donini. 2022. Hair cortisol concentration as a marker of long-term stress: Sex and body temperature are major determinants in wild-living Alpine marmots. *Mammalian Biology*, in press.

[51] Gobbi, M., **Corlatti, L.**, Caccianiga, M., ter Braak, C. and L. Pedrotti. 2022. Hay meadows’ overriding effect shapes ground beetles’ functional diversity in mountainous landscapes. *Ecosphere*, 13: e4193.

[50] **Corlatti, L.**, et al. 2022. Past, present and future of chamois science. *Wildlife Biology*, 4: e01025.

[49] Donini, V., Iacona, E., Pedrotti, L., Macho-Maschler, S., Palme, R. and **L. Corlatti**. 2022. Temporal stability of fecal cortisol metabolites in mountain-dwelling ungulates. *The Science of Nature*, 109: 20.

[48] Leugger, F., Broquet, T., Karger, D.N., Rioux, D., Buzan, E., **Corlatti, L.**, Crestanello, B., Curt-Grand-Gaudin, N., Hauffe, H.C., Rolečková, B., Šprem, N., Tissot, N., Valterová, R., Yannic, G., and L. Pellissier. 2022. Dispersal and habitat dynamics shape the genetic structure of the Northern chamois in the Alps. *Journal of Biogeography*, 49: 1848–1861.

[47] Luzzago, C., Lauzi, S., Ehricht, R., Monecke, S., **Corlatti, L.**, Pedrotti, L. and R. Piccinini. 2022. Staphylococcus aureus carriage by wild red deer (*Cervus elaphus*): evidence of human and animal lineages. *Transboundary and Emerging Diseases*, 69: 1659–1669.

[46] Reiner, R., Zedrosser, A., Zeiler, H., Hackländer, K. and **L. Corlatti**. 2022. Habitat and climate shape sex-specific body growth patterns in a large herbivore. *Ecology and Evolution*, 12: e8650.

[45] Lauzi, S., Luzzago, C., Chiani, P., Michelacci, V., Knijn, A., Pedrotti, L., **Corlatti, L.**, Buccheri Pederzoli, C., Scavia, G., Morabito, S. and R. Tozzoli. 2022. Free-ranging red deer (*Cervus elaphus*) as carriers of potentially zoonotic Shiga toxin-producing *Escherichia coli*. *Transboundary and Emerging Diseases*, 69: 1902–1911.

[44] Forti, A., Nava, M., Bortoloni, A., Sommei, V., Luzzago, C., Pedrotti, L. and **L. Corlatti**. 2021. Spatial avoidance between red deer and cattle in Alpine pastures. *Hystrix*, 32: 196–199.

[43] **Corlatti, L**. 2021. Regression models, fantastic beasts, and where to find them: A simple tutorial for ecologists using R. *Bioinformatics and Biology Insights*, 15: 11779322211051522.

[42] Kavčić, K., Radočaj, T., **Corlatti, L.**, Safner, T., Gračanin, A., Mikac, K. M. and N. Šprem. 2021. Spatio-temporal response of forest-dwelling chamois to red deer presence. *Mammalian Biology*, 101: 907–915.

[41] Kavčić, K., Apollonio, M., **Corlatti, L**. and N. Šprem. 2021. Rutting behavior of male Balkan chamois. *Mammalian Biology*, 101: 895–905.

[40] \* Reiner, R., Zedrosser, A., Zeiler, H., Hackländer, K., and **L. Corlatti**. 2021. Forests buffer the climate-induced decline of body mass in a mountain herbivore. *Global Change Biology*, 27: 3741–3752.

[39] Donini, V., Pedrotti, L., Ferretti, F. and **L. Corlatti**. 2021. Disentangling demographic effects of red deer on chamois population dynamics. *Ecology and Evolution*, 11: 8264–8280.

[38] Donini, V., **Corlatti, L.** and L. Pedrotti. 2021. Tracking red deer population size using cohort analysis. *Mammalian Biology*, 101: 675–680*.*

[37] Mattioli, S., Ferretti, F., Nicoloso, S. and **L. Corlatti**. 2021. Spatial variations in antler investment of Apennine red deer. *Ecology and Evolution*, 11: 7850–7864.

[36] **Corlatti, L.**, Cotza, A. and L. Nelli. 2021. Linking alternative reproductive tactics and habitat selection in Northern chamois. *Ecology and Evolution*, 11: 7057–7068.

[35] Sultana, M., **Corlatti, L.** and I. Storch. 2021. The interaction of imperviousness and habitat heterogeneity drives bird richness patterns in South Asian cities. *Urban Ecosystems*, 24: 335–344.

[34] Reiner, R., Zedrosser, A., Zeiler, H., Hackländer, K. and **L. Corlatti**. 2020. Deterministic reconstruction as an informative tool for monitoring chamois populations. *Wildlife Biology*, wlb.00757*.*

[33] **Corlatti, L.**, Sivieri, S., Sudolska, B., Giacomelli, S. and L. Pedrotti. 2020. A field test of unconventional camera trap distance sampling to estimate abundance of marmot populations. *Wildlife Biology,* wlb.00652*.*

[32] **Corlatti, L.** and S. Sivieri. 2020. Face markings in Northern chamois: cues of dominance? *Mammalian Biology*, 100: 559–565.

[31] **Corlatti, L**. 2020. Anonymous faecal sampling and NIRS studies of diet quality: problem or opportunity? *Ecology and Evolution*, 10: 6089–6096.

[30] \* **Corlatti, L.**, Bassano, B. and S. Lovari. 2020. Weather stochasticity and alternative reproductive tactics in Northern chamois. *Biological Journal of the Linnean Society*, 130: 359–364.

[29] Kavčić, K., **Corlatti, L.**, Rodriguez, O., Kavčić, B. and N. Šprem. 2020. From the mountains to the sea! Unusual swimming behavior in chamois *Rupicapra* spp. *Ethology, Ecology & Evolution*, 32: 402–408.

[28] Kavčić, K., **Corlatti, L.**, Safner, T., Budak, N. and N. Šprem. 2020. Contrasting patterns of sexually selected traits in Mediterranean and continental populations of European mouflon. *Ecology and Evolution*, 10: 2085–2092.

[27] Mori, E., Sangiovanni, G. and **L. Corlatti**. 2020. Gimme shelter: the effect of rocks and moonlight on occupancy and activity pattern of an endangered rodent, the garden dormouse *Eliomys quercinus*. *Behavioural Processes*, 170: 103999.

[26] Kavčić, K., **Corlatti, L.**, Safner, T., Budak, N. and N. Šprem. 2019. Density-dependent decline of early horn size in European mouflon. *Mammalian Biology*, 99: 37–41.

[25] \* **Corlatti, L.**, Sanz-Aguilar, A., Tavecchia, G., Gugiatti, A and L. Pedrotti. 2019. Unraveling the sex- and age-specific impact of poaching mortality with multievent modeling. *Frontiers in Zoology*, 16: 20

[24] **Corlatti, L.**, Bonardi, A., Bragalanti, N. and L. Pedrotti. 2019. Long-term dynamics of Alpine ungulates suggest interspecific competition. *Journal of Zoology*, 309: 241–249.

[23] **Corlatti, L.**, Lorenzetti, C. and B. Bassano. 2019. Parasitism and alternative reproductive tactics in Alpine chamois. *Ecology and Evolution*, 9: 8749–8758.

[22] **Corlatti, L.**, Ferretti, F. and S. Lovari. 2019. Hunting lactating females deserves caution: the case of the chamois. *Ethology, Ecology & Evolution*, 31: 293–299.

[21] Iacolina, L., **Corlatti, L.**, Buzan, E., Safner, T. and N. Sprem. 2019. Hybridization in European ungulates: an overview of the current status, causes and consequences. *Mammal Review*,49: 45–59.

[20] Kämmerle, L., **Corlatti, L.**, Hamrs, L. and I. Storch. 2018. Methods for assessing small-scale variation in the abundance of a generalist mesopredator. *PLoS ONE,* 13: e0207545.

[19] **Corlatti, L.** 2018. Fecal cortisol metabolites under anonymized sampling: Robust estimates despite significant individual heterogeneity. *Ecological Indicators*, 95: 775–780.

[18] **Corlatti, L.**, Gugiatti, A., Ferrari, N., Formenti, N., Trogu, T. and L. Pedrotti. 2018. The cooler the better? Indirect effects of spring-summer temperature on fecundity in a capital breeder. *Ecosphere*, 9: e02326.

[17] **Corlatti, L.**, Storch, I., Filli, F. and P. Anderwald. 2017. Does selection on horn length in males and females differ between protected and hunted populations of a weakly dimorphic ungulate? *Ecology and Evolution*, 7: 3713–3723.

[16] **Corlatti, L.**, Nelli, L., Zibordi, F., Bertolini, M. and L. Pedrotti. 2017. A comparison of four methods to estimate population size of Alpine marmot *Marmota marmota*. *Hystrix*, 28: 61–67.

[15] Bonardi, A., **Corlatti, L.**, Bragalanti, N. and L. Pedrotti. 2017. The role of weather and density-dependence on population dynamics of mountain-dwelling red-deer. *Integrative Zoology*, 12: 61-76.

[14] **Corlatti, L.**, Gugiatti, A. and L. Pedrotti. 2016. Spring spotlight counts provide reliable indices to track changes in population size in mountain-dwelling red deer *Cervus elaphus*. *Wildlife Biology*, 22: 268–276.

[13] Šprem, N., Zanella, D., Ugarković, D., Prebanić, I., Gančević, P. and **L. Corlatti**. 2015. Unimodal activity pattern in forest-dwelling chamois: typical behaviour or interspecific avoidance? *European Journal Wildlife Research,* 61: 789–794.

[12] **Corlatti, L.**, Bassano, B., Polakova, R., Fattorini, L., Pagliarella, M. and S. Lovari. 2015. Preliminary analysis of reproductive success in a large mammal with alternative mating tactics, the Alpine chamois, *Rupicapra r. rupicapra*. *Biological Journal of the Linnean Society*, 116: 117-123.

[11] **Corlatti, L.**, Gugiatti, A. and S. Imperio. 2015. Horn growth patterns in Alpine chamois. *Zoology*, 118: 213–219.

[10] **Corlatti, L.**, Fattorini, L. and L. Nelli. 2015. The use of block-counts, mark-resight and distance sampling to estimate population size of a mountain-dwelling ungulate. *Population Ecology*, 57: 409–419.

[9] **Corlatti, L.**, Palme, R. and S. Lovari. 2014. Physiological response to etho-ecological stressors in male Alpine chamois: timescale matters! *Naturwissenschaften*, 101: 577–586.

[8] **Corlatti, L.** and B. Bassano. 2014. Contrasting alternative hypotheses to explain rut-induced hypophagia in territorial male chamois. *Ethology*, 120: 32–41.

[7] **Corlatti, L.**, Bassano, B., Valencak, T.G.V. and S. Lovari. 2013. Foraging strategies associated with alternative reproductive tactics in a large mammal. *Journal of Zoology*, 291: 111–118.

[6] **Corlatti, L.**, Caroli, M., Pietrocini, V. and S. Lovari. 2013. Rutting behaviour of territorial and nonterritorial male chamois: is there a home advantage? *Behavioural Processes,* 92: 118–124.

[5] \* **Corlatti, L.**, Béthaz, S., von Hardenberg, A., Bassano, B., Palme, R. and S. Lovari. 2012. Hormones, parasites and alternative mating tactics in Alpine chamois: identifying the mechanisms of life history trade-offs. *Animal Behaviour*, 84: 1061–1070.

[4] **Corlatti, L.**, Lebl, K., Filli, F. and T. Ruf. 2012. Unbiased sex-specific survival in Alpine chamois. *Mammalian Biology*, 77: 135–139.

[3] **Corlatti, L.**, Lorenzini, R. and S. Lovari. 2011. The conservation of the chamois *Rupicapra* spp. *Mammal Review,* 41: 163–174.

[2] **Corlatti, L.**, Hackländer, K., Frey-Roos, F. and R. Palme. 2011. Climatic cues and glucocorticoids in a free ranging riparian population of red deer (*Cervus elaphus*). *Folia Zoologica,* 60: 176–180.

[1] \* **Corlatti, L.**, Hackländer, K. and F. Frey-Roos. 2009. Ability of wildlife overpasses to provide connectivity and prevent genetic isolation. *Conservation Biology*, 23: 548–556.