

---

## PORTOFOLIUL DE LUCRĂRI ȘTIINȚIFICE RELEVANTE ELABORATE ÎN DOMENIUL DE DOCTORAT SILVICULTURĂ

1. **Roibu, C-C**; Nagavciuc, V; Ionita, M; et al. *A tree ring-based hydroclimate reconstruction for eastern Europe reveals large-scale teleconnection patterns*. **Clim Dyn** **59**, 2979–2994 (2022), categoria (Q2); IF=4.901, WOS:000777360700002 <https://doi.org/10.1007/s00382-022-06255-8>
2. Știrbu, M.-I; **Roibu, C.-C.\***; Carrer, M; Mursa, A; Unterholzner, L; Prendin, A.L; *Contrasting Climate Sensitivity of Pinus cembra Tree-Ring Traits in the Carpathians*. **Front. Plant Sci.** **13**, (2022), categoria (Q1), IF:6.627; WOS: 000815000500001 (\*autor corespondent) <https://doi.org/10.3389/fpls.2022.855003>
3. Dorado-Liñán, I; Ayarzagüena, B;..., **Roibu, C-C**; (...), Babst, F; et al. *Jet stream position explains regional anomalies in European beech forest productivity and tree growth*. **Nat Commun** **13**, 2015 (2022), categoria (Q1), IF: 17.694, WOS:000784997300067 <https://doi.org/10.1038/s41467-022-29615-8>
4. **Roibu, C-C**; Ważny, T; Crivellaro, A; Mursa, A; Chiriloaei, F; Știrbu, M-I; Popa, I, *The Suceava oak chronology: A new 804 years long tree-ring chronology bridging the gap between central and south Europe*, **Dendrochronologia**, **68** (2021), categoria (Q1), IF: 2.691, WOS:000679294500008 <https://doi.org/10.1016/j.dendro.2021.125856>
5. **Roibu, C-C**; Sfecla, V; Mursa, A; Ionita, M; Nagavciuc, V; Chiriloaei, F; Lesan, I; Popa, I, *The Climatic Response of Tree Ring Width Components of Ash (Fraxinus excelsior L.) and Common Oak (Quercus robur L.) from Eastern Europe*, **Forests**, **11**(5), (2020), categoria (Q1), IF: 2.634, WOS:000542736000075, <https://doi.org/10.3390/f11050600>
6. Nagavciuc, V; **Roibu, C-C[\*]**; Ionita, M; Mursa, A; Cotos, MG; Popa, I, *Different climate response of three tree ring proxies of Pinus sylvestris from the Eastern Carpathians, Romania*, **Dendrochronologia**, **54**, 56-63 (2019), categoria (Q1), IF: 2.691, WOS:000462163400007 <https://doi.org/10.1016/j.dendro.2019.02.007> (\* autor corespondent)
7. **Roibu, C-C**; Popa, I; Kirchhefer, AJ; Palaghianu, C, *Growth responses to climate in a tree-ring network of European beech (Fagus sylvatica L.) from the eastern limit of its natural distribution area*, **Dendrochronologia**, **42**,104-116 (2017), categoria (Q1), IF: 2.20, WOS:000406004700013 <https://doi.org/10.1016/j.dendro.2017.02.003>
8. Hacket-Pain, AJ; Ascoli, D; Vacchiano, G; Biondi, F; Cavin, L; Conedera, M; Drobyshev, I; Linan, ID; Friend, AD; Grabner, M; Hartl, C; Kreyling, J; Lebourgeois, F; Levanic, T; Menzel, A; van der Maaten, E; van der Maaten-Theunissen, M; Muffler, L; Motta, R; **Roibu, CC**; Popa, I; Scharnweber, T; Weigel, R; Wilmking, M; Zang, CS, *Climatically controlled reproduction drives interannual growth variability in a temperate tree species*, **ECOLOGY LETTERS**, **21** (12), 1833-1844 (2018), categoria (Q1), IF: 8.669, WOS:000449662400008, <https://doi.org/10.1111/ele.13158>
9. Bosela, M; Lukac, M; Castagneri, D; Sedmak, R; Biber, P; Carrer, M; Konopka, B; Nola, P; Nagel, TA; Popa, I; **Roibu, CC**; Svoboda, M; Trotsiuk, V; Buntgen, U, *Contrasting effects of environmental*

*change on the radial growth of co-occurring beech and fir trees across Europe, Science Of The Total Environment, 615, 1460-1469 (2018), categoria (Q1), IF: 5.589, WOS:000414922600149, <https://doi.org/10.1016/j.scitotenv.2017.09.092>*

10. Mikoláš, M., Svitok, M., Bače, R., Meigs, G., Keeton, W., Keith, H., Buechling, A., Trotsiuk, V., Bollmann, K., Begovič, K., Čada, V., Chaskovskyy, O., Ralhan, D., Dušátko, M., Ferenčík, M., Frankovič, M., Gloor, R., Hofmeister, J., Janda, P., Kameniar, O., Kozák, D., Lábusová, J., Majdanová, L., Nagel, T., Pavlin, J., Pettit, J., Rodrigo, R., **Roibu, CC.**, Rydval, M., Sabatini, F., Schurman, J., Synek, M., Vostarek, O., Zemlerová, V., Svoboda, M., *Natural disturbance impacts on trade-offs and co-benefits of forest biodiversity and carbon, 2021, Proceedings Of Royal Society B, IF=5.349, WOS:000708826500005, <https://doi.org/10.1098/rspb.2021.1631>*

14 decembrie 2022

Conf.univ. dr.ing. Cătălin-Constantin ROIBU

