

LISTA DE LUCRĂRI

A. Cărți și capitole de cărți:

1. **Roibu C-C**, 2012, *Capitolul 8 Dinamica structurală și dendrocronologie pentru pădurea cvasivirgină "Făgetul Secular Humosu"* în lucrarea „Pădurile virgine și cvasivirgine ale României” Eds: V. Giurgiu, Ed. Acad. Române, ISBN 978-973-27-2287-9, 32p.
2. **Roibu, C-C.**, 2019, *Cercetări dendrometrice, auxologice și dendrocronologice în făgete din Podișul Sucevei aflate în limita estică a arealului*, editura Universității "Ștefan cel Mare" Suceava, ISBN 978-973-666-591-2, 319p.
3. Sidor, C, Vlad, R, Popa, I, **Roibu, C-C.**, 2020, *Rețeaua națională de serii dendrocronologice pentru pinul silvestru (Pinus sylvestris) din România -PIDECRO*, Editura Silvică, ISBN 978-606-8020-73-0, 155p.
4. **Roibu, C-C**, 2022, *Rețeaua de serii dendrocronologice pentru stejar (Quercus sp.) din estul României și din Republica Moldova*, Editura Universității "Ștefan cel Mare" Suceava, 145p, ISBN 978-973-666-752-7

B. Articole publicate în reviste indexate Web of Science (ISI)

1. **Roibu, C-C**; Palaghianu, C; Nagavciuc, V; Ioniță, M; Sfeclă, V; Mursa, A; Crivellaro, A; Știrbu, M-I; Cotos, M-G; Popa, A; Sfeclă, I; Popa, I. *The Response of Beech (Fagus sylvatica L.) Populations to Climate in the Easternmost Sites of Its European Distribution. Plants. 2022; 11(23):3310, category (Q1), SRI: 1.599, IF: 4.658, <https://doi.org/10.3390/plants11233310>*
2. **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>*
3. 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>*
4. 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>*
5. Marchand, W; Buechling, A; Rydval, M; Čada, V; Stegehuis, A.I.; Fruleux, A; Poláček, M.; Hofmeister, J; Pavlin, J; Ralhan, D; Dušátko, M; Janda, P; Mikoláš, M; Vostarek, O; Bače, R; Frankovič, M; Kozák, D; **Roibu, C-C**; Chaskovskyy, O; Mikac, S; Zlatanov, T; Panayotov, M; Diku, A; Toromani, E; Svoboda, M. *Accelerated growth rates of Norway spruce and European beech saplings from Europe's temperate primary forests are related to warmer conditions, Agricultural and Forest Meteorology, (2023), 329, 109280, category (Q1), IF=6.424, <https://doi.org/10.1016/j.agrformet.2022.109280>*

6. Popa, A; Popa, I; **Roibu, C-C**; Badea, ON. *Do Different Tree-Ring Proxies Contain Different Temperature Signals? A Case Study of Norway Spruce (Picea abies (L.) Karst) in the Eastern Carpathians*. **Plants**. **2022**; **11(18):2428**, **IF: 4.658**, <https://doi.org/10.3390/plants11182428>
7. **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>
8. **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>
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10. **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**
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12. 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**,
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13. Radoane, M; Nechita, C; Chiriloaei, F; Radoane, N; Popa, I; **Roibu, C**; Robu, D, *Late Holocene fluvial activity and correlations with dendrochronology of subfossil trunks: Case studies of northeastern Romania*, **GEOMORPHOLOGY**, **239**, **142-159 (2015)**, **categoria (Q1)**, **IF: 2.183**, **WOS:000355037000011**, <https://doi.org/10.1016/j.geomorph.2015.02.036>
14. Horodnic, SA; **Roibu, CC**; A Gaussian multi-component model for the tree diameter distribution in old-growth forests, **European Journal Of Forest Research**, **2018**, **137 (2)**, **185-196**, **categoria (Q1)**, **IF: 2.354**, **WOS:000433533500005**, <https://doi.org/10.1007/s10342-017-1097-5>
15. Duduman, G; Duduman, ML; Avacaritei, D; Barnoaiea, I; Barbu, CO; Ciornei, I; Clinovschi, F; Cosofret, VC; Cotos, MG; Danila, G; Danila, IC; Dragoi, M; Flocea, MN; Horodnic, SA; Iacobescu, O; Mazare, GC; Maciucă, A; Mursa, A; Palaghianu, C; Pohontu, CM; **Roibu, CC**; Savin, A; Tomescu, CV; Scriban, RE; *A Permanent Research Platform for Ecological Studies in Intact Temperate*

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16. Mihaila, D; Briciu, AE; **Roibu, CC**; Bistricean, PI, *Restricting Climatic Conditions on The Eastern Distribution Limit of European Beech (Fagus Sylvatica) In North-Eastern Romania for The March - June Interval, Present Environment And Sustainable Development, 2019, 13 (2), 17-42, category (Q4), IF: -, WOS:000511424900002, <https://doi.org/10.15551/pesd2019132002>*
17. Horodnic, SA; **Roibu, CC**; *Collective growth patterns reveal the high growing potential of older silver fir trees in a primeval forest in Romania's Southern Carpathians, NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, 2020, 48 (2), category (Q3), IF: 1.444, WOS:000548938200044, <https://doi.org/110.15835/nbha48211949>*
18. Iacoban, C; Risca, IM; **Roibu, C**; Ciornea, ET; Necula, R; Ilieva, D; Sandu, I; Drochioiu, G, Tarnita Polluted Area: Accumulation of Heavy Metals and Nutrients from the Soil by Woody Species, 2019, REVISTA DE CHIMIE, 70 (3), 753-758, category (Q3), IF: 1.755, WOS:000464911600003, <https://doi.org/10.37358/RC.19.3.7001>
19. 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>*

C. Articole publicate în reviste indexate în baze de date internaționale - BDI

1. **Roibu, C-C**, *Considerations regarding the structure of the beech stand related to the distance between trees and the determination of the competition ratio, Revista Padurilor, 2005, no. 5, CABI Database [https://www.cabdirect.org/cabdirect/abstract/20063185367?q=\(Roibu\)](https://www.cabdirect.org/cabdirect/abstract/20063185367?q=(Roibu)) <http://revistapadurilor.com/wp-content/uploads/2017/06/revista-padurilor-nr-5-2005-anul-120.pdf>*
2. **Roibu, C-C.**, Grudnicki, M., *Biometric aspects regarding the turn up of Nectria ditissima Tul. in the North Moldavian beech stands (I), Revista Padurilor, 2006, no. 1; CABI Database [https://www.cabdirect.org/cabdirect/abstract/20063215211?q=\(Roibu\)](https://www.cabdirect.org/cabdirect/abstract/20063215211?q=(Roibu)) <http://revistapadurilor.com/wp-content/uploads/2017/06/revista-padurilor-nr-1-2006-anul-121.pdf>*
3. **Roibu, C-C.**, Popa, I., *Dendrochronological series for beech ("Fagus sylvatica") in Tătăruși (Iași) area, Revista Padurilor, 2006, no. 4, CABI Database [https://www.cabdirect.org/cabdirect/abstract/20063215509?q=\(Roibu\)](https://www.cabdirect.org/cabdirect/abstract/20063215509?q=(Roibu)) <http://revistapadurilor.com/wp-content/uploads/2017/06/revista-padurilor-nr-4-2006-anul-121.pdf>*
4. **Roibu, C-C.**, *The space structure variability of the beech natural forest at the eastern border of its range, Lucrările sesiunii științifice bienale cu participare internațională Pădurea și Dezvoltarea*

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5. Grigoroaea, D.; Vlad, R.; **Roibu, C.**, *Management influence on the dead wood distribution in a Norway spruce forest from Calimani National Park, Romania.*, 2015, **AAB Bioflux**, Vol. 7(3) pp. 166-173, **CABI Database**
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 6. **Roibu C.-C.**, *Influența înălțimii primei înfurcări asupra calității arborilor de fag pe picior*, **Revista Pădurilor**, 2008, nr.2, 25-33, **CABI Database**
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 9. **Roibu C.-C.**, Savin A., Negrea B. M., Barbir C. F., *Dendroecological research in beech (Fagus sylvatica L.) stands affected by abnormal decline phenomena from Dragomirna plateau, Suceava county, Romania.* **AAB Bioflux**, 2011, 3(2):139-150., **CABI Database**
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16. Bouriaud, L., Duduman, M., Dănilă, I., Olenici, N., Biriș, I., Ciornei, I., Barnoaiea, I., Măciucă, A., Savin, A., Grosu, L., Mutu, M., Nichiforel, L., Bouriaud, O., Dănilă, G., Avăcăriței, D., **Roibu, C.**, *How to evaluate the sustainability of short-term cultures for biomass production? An application from NE Romania. Agriculture and Forestry, 2015, 61(4): 7-22., CABI Database*
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18. Cotos, MG; Radu, I; **Roibu, C.C.**; Cenusă, R; *Dinamica perturbărilor din Rezervația naturală "Făgetul Secular Humosu" aflată la limita estică a arealului European, Bucovina Forestiera, 2019, 19 (2), CABI Database*
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