

## LISTA DE LUCRĂRI

### - ROIBU CĂTĂLIN-CONSTANTIN -

#### A. Lista celor mai importante 10 lucrări științifice

1. **Roibu, C-C;** Wazny, 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
2. **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
3. **Roibu, C-C.**, 2019, *Cercetări dendrometrice, auxologice și dendrocronologice în făgete din Podișul Sucevei aflate în limita estică a arealului*, Ed. Universității "Ștefan cel Mare" din Suceava, 319p
4. 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 (\* autor corespondent)
5. **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
6. 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
7. 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
8. 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
9. 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
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., Ferencík, 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**, categoria (Q1)IF=5.349

**B. Teza de doctorat:**

- *Cercetări dendrometrice, auxologice și dendrocronologice în făgete din Podișul Sucevei aflate în limita estică a arealului*, 2010, Universitatea "Ștefan cel Mare" din Suceava, 274p.

**C. 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, 32 p.
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" din Suceava, 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, 157p.

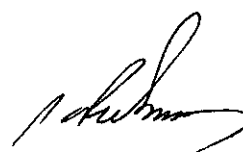
**D. Articole studii în extenso, publicate în fluxul științific internațional principal**

1. **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
2. **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
3. 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
4. **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
5. Hackett-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

6. 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
7. 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
8. 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
9. 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; Maciuca, 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 Mountainous Forests from Slatioara UNESCO Site and Its Surroundings, Romania*, **Forests**, 2020, **11 (9)**, categoria (Q1), IF: 2.634
10. 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: -
11. 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
12. 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
13. Mikoláš, M., Svitok, M., Bače, R., Meigs, G., Keeton, W., Keith, H., Buechling, A., Trotsiuk, V., Bollmann, K., Begovič, K., Čada, V., Chaskovskyy, O., Raihan, 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
14. **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**
15. **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**
16. **Roibu, C-C.**, Popa, I., *Dendrochronological series for beech ("Fagus sylvatica") in Tătăruși (Iași) area*, **Revista Padurilor**, 2006, no. 4, **CABI Database**



17. **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 Durabilă Brașov, 17-18 octombrie 2008, 2009*, pp. 65-70, **CABI Database**
18. 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**
19. **Roibu C.-C.**, *Influența înălțimii primei înfurcări asupra calității arborilor de fag pe picior*, **Revista Pădurilor**, 2008, nr.2, 25-33, **CABI Database**
20. Duduman G., **Roibu C.-C.**, Duduman M.-L., Miron-Onciul M., *The influence of competition and dimensional-spatial characteristics of trees on their radial growth in Old-Growth Slatioara forest, Romania.* **AES Bioflux**, 2010, 2(2):215-230; **CABI Database**
21. Páll-Gergely B., **Roibu C.-C.**, *Land snail fauna of the Humosu Secular Forest (Suceava County, Romania); a new locality of Serrulina serrulata (L. Pfeiffer, 1847)*, **Gastropoda: Pulmonata: Clausiliidae**, 2011., **DOAJ Database**
22. **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**
23. Savin A., Avacaritei D., **Roibu C.-C.**, Negrea B. M., *Influence of some soil characteristics on the productivity of stands in Dragomirna plateau, Suceava county, Romania.* **AES Bioflux**, 2011, 3(3):259-267., **CABI Database**
24. Nutescu A., **Roibu C.-C.**, Negrea B. M., *Dendrochronological research and quantification of climate-tree relations on fir, spruce and stone pine in Rarau-Giumalau mountain area, Romania.* **AAB Bioflux**, 2012., **CABI Database**
25. Negrea B. M., Doroftei M., Grimm M., **Roibu C. C.**, *Presence of alien ligneous species in some plant associations from Danube Delta and their management.* **AAEL Bioflux**, 2013, 6(2):115-136, **CABI Database**
26. Zarojanu D., **Roibu C.-C.**, *The long-term quality of forest roads*, *Lucrările sesiunii științifice bienale cu participare internațională Pădurea și Dezvoltarea Durabilă Brașov, 17-18 octombrie 2008, 2009*, pp. 721- 726, **CABI Database**
27. Roibu A.-M., **Roibu C.-C.**, Negrea B. M., *Quantifying growth losses induced by Nectria fungus in a natural beech stand situated at the eastern limit of the European area.* **AAB Bioflux**, 2012 4(2):48-56., **CABI Database**
28. Nechita C, Popa, I., **Roibu, C.C.**, *Disturbance history in a stone-pine (Pinus cembra) multientury tree-ring chronology from Călimani Mountains (Eastern Carpathians)*, **AAB Bioflux**, 2013, Volume 5, Issue 2, **CABI Database**
29. 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**



30. Dănilă, I. C., Avăcăriței, D., Savin, A., **Roibu, C. C.**, Bouriaud, O., Duduman, M.-L., Bouriaud, L, Dinamica și caracteristicile creșterii a șase clone de plop hibrid pe parcursul unui ciclu de producție într-o plantație comparativă din Depresiunea Rădăuți. *Bucovina Forestieră*, 2015, 15(1), 19-30., DOAJ Database
31. Cotos, MG; Radu, I; **Roibu, C.C.**; Cenușă, R; *Dinamica perturbărilor din Rezervația naturală "Făgetul Secular Humosus" aflată la limita estică a arealului European*, *Bucovina Forestiera*, 2019, 19 (2), CABI Database
32. Nechita C., Rădoane, M., Chiriloaei, F., Rădoane N., Popa, I., **Roibu, C.**, Robu D, *Subfossil oaks from alluvial deposits and their role in past fluvial activities analysis: case study East Carpathian rivers, Romania*, **Special Issue: Late Pleistocene and Holocene climatic variability in the Carpathian-Balkan region**, 2014, 24(2), 107-110, CABI Database

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Șef lucrări dr.ing. Cătălin Constantin ROIBU

