

LISTA DE LUCRĂRI

- ROIBU CĂTĂLIN-CONSTANTIN -

A. Lista celor mai importante 10 lucrări științifice

1. Nagavciuc V, Mursa A, Ionita M, Sfeclă V, Popa I, **Roibu C-C [*]**, *An Overview of Extreme Years in Quercus sp. Tree Ring Records from the Northern Moldavian Plateau*. **Forests**. 2023; 14(5):894, category (Q1), SRI:1.318, IF: 2.90 (* autor corespondent)
2. **Roibu C-C**, Palaghianu C, Nagavciuc V, Ionita M, Sfecla V, Mursa A, Crivellaro A, Stirbu M-I, Cotos M-G, Popa A, Sfecla 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
3. Stirbu M-I; **Roibu C-C1 [*]**; Carrer, M.; Mursa, A.; Unteholzner, L.; Predin, AL *Contrasting climate sensitivity of different Pinus cembra tree-ring traits in the Carpathian*, **Frontiers in Plant Science (2022)**, category (Q1) -SRI: 2.851, IF: 6.627. (* autor corespondent)
4. **Roibu C-C**; Nagavciuc V; Ionita M; Popa I; Horodnic SA; Mursa A; Büntgen U *A tree ring-based hydroclimate reconstruction for eastern Europe reveals large-scale teleconnection patterns*, **Climate Dynamics (2022)**, category (Q2), SRI: 1.600, IF: 4.901
5. **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)-SRI:1.658, IF: 2.691
6. **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), SRI:1.314, IF: 2.634
7. 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),SRI:1.767, IF: 2.691 (* autor corespondent)
8. **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), SRI:1.690, IF: 2.20
9. Unterholzner, L., Castagneri, D., Cerrato, R., Știrbu, M. I., **Roibu, C. C.**, & Carrer, M. *Climate response of a glacial relict conifer across its distribution range is invariant in space but not in time*. **Science of The Total Environment (2024)**, 906, 167512, category Q1, IF=9.8
10. **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

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.
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" din Suceava, 145p, ISBN 978-973-666-752-7

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

1. Nagavciuc V, Mursa A, Ionita M, Sfeclă V, Popa I, **Roibu C-C** [*], *An Overview of Extreme Years in Quercus sp. Tree Ring Records from the Northern Moldavian Plateau. Forests. 2023; 14(5):894, category (Q1), IF: 2.90* (* autor corespondent)
2. **Roibu C-C**, Palaghianu C, Nagavciuc V, Ionita M, Sfecla V, Mursa A, Crivellaro A, Stirbu M-I, Cotos M-G, Popa A, Sfecla 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*
3. Stirbu M-I; **Roibu C-C**1 [*]; Carrer, M.; Mursa, A.; Unteholzner, L.; Predin, AL *Contrasting climate sensitivity of different Pinus cembra tree-ring traits in the Carpathian, Frontiers in Plant Science (2022), category (Q1) -SRI: 2.851, IF: 6.627.* (* autor corespondent)
4. **Roibu C-C**; Nagavciuc V; Ionita M; Popa I; Horodnic SA; Mursa A; Büntgen U, *A tree ring-based hydroclimate reconstruction for eastern Europe reveals large-scale teleconnection patterns Climate Dynamics (2022), category (Q2), SRI: 1.600, IF: 4.901*
5. **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*
6. **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*

7. 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*
8. **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*
9. Unterholzner, L., Castagneri, D., Cerrato, R., Știrbu, M. I., **Roibu, C. C.**, & Carrer, M. *Climate response of a glacial relict conifer across its distribution range is invariant in space but not in time. Science of The Total Environment (2024), 906, 167512, category Q1, IF=9.8*
10. Ralhan, D., Keith, H., Pavlin, J., Irene Stegehuis, A., Marchand, W., Fruleux, A., Poláček, M., Svitok, M., Nagel, T. A., Mikoláš, M., Kozák, D., Buechling, A., Dušátko, M., Janda, P., Chaskovsky, O., **Roibu, C-C.**, & Svoboda, M. *Temperate Primary Forest Biomass Accumulates over Centuries-Long Time Frames., Ecosystems (2023) 26: 1685–1702,category Q1, IF=3.7*
11. Zemlerová, V., Kozák, D., Mikoláš, M. ..., **Roibu, C-C.**, ... et al. *Natural Disturbances are Essential Determinants of Tree-Related Microhabitat Availability in Temperate Forests. Ecosystems (2023), category (Q1), IF: 4.345*
12. Kameniar, O., Vostarek, O., Mikoláš, M., Svitok, M., Frankovič, M., Morrissey, R. C., Kozák, D., Nagel, T. A., Dušátko, M., Pavlin, J., Ferencík, M., Keeton, W. S., Spínu, A. P., Petritan, I. C., Majdanová, L., Markuljaková, K., **Roibu, C.-C.**, Gloor, R., Bače, R., ... Svoboda, M. *Synchronised disturbances in spruce- and beech-dominated forests across the largest primary mountain forest landscape in temperate Europe. Forest Ecology and Management 537 (2023), category (Q1), IF: 4.384*
13. Kozák, D., Svitok, M., Zemlerová, V., Mikoláš, M., Lachat, T., Larrieu, L., Paillet, Y., Buechling, A., Bače, R., Keeton, W. S., Vítková, L., Begovič, K., Čada, V., Dušátko, M., Ferencík, M., Frankovič, M., Gloor, R., Hofmeister, J., Janda, P., ...**Roibu C-C.**,... Svoboda, M. (2023). *Importance of conserving large and old trees to continuity of tree-related microhabitats. Conservation Biology, 37(3) (2023), category (Q1), IF: 7.563*
14. Ralhan, D., Keith, H., Pavlin, J., Stegehuis, A. I., Marchand, W., Fruleux, A., Poláček, M., Svitok, M., Nagel, T. A., Mikoláš, M., Kozák, D., Buechling, A., Dušátko, M., Janda, P., Chaskovsky, O., **Roibu, C.-C.**, Svoboda, M. *Temperate Primary Forest Biomass Accumulates over Centuries-Long Time Frames. Ecosystems (2023), category (Q1), IF: 4.345.*
15. Nagavciuc, V., Roibu, C-C., Mursa A., Stirbu M-I., Popa, I., Ionita, M., *The first tree-ring reconstruction of streamflow variability over the last ~250 years in the Lower Danube. Journal of Hydrology, 617, 129150 (2023), category (Q1), IF: 6.708*
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17. 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.*
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26. 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

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29. Roibu, C-C., Popa, I., *Dendrochronological series for beech ("Fagus sylvatica") in Tătăruși (Iași) area*, **Revista Padurilor, 2006, no. 4, CABI Database**
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38. 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**
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