

INFORMAȚII
PERSONALE

ION CATALIN PETRITAN

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Web of Science ResearcherID: I-7560-2019

Google Scholar:

<https://scholar.google.com/citations?user=13RltGwAAAAJ&hl=en&oi=ao>

ResearchGate: <https://www.researchgate.net/profile/Ion-Petritan>

Sexul | Data nașterii | Nationalitate

EXPERIENȚA
PROFESIONALĂ

10/2020-present

Profesor universitar

Universitatea Transilvania din Brașov, Romania

Facultatea de Silvicultură și Exploatare Forestiere

Predare și cercetare Învățământ universitar: Biostatistică, Analiza datelor în cercetarea din silvicultură, Biodiverstate, Soluri Forestiere, lemn mort, păduri virgine.

08/2013-03/2015

Postdoctorand

Institutul de Silvicultură, Zăpadă și Peisagistică, WSL, Birmensdorf, Elveția

Coordonator al proiectului: "MODIST *Mortalitate și disturbanta: o analiză dendroecologică a principalelor procese ce influențează structura unei păduri virgine de fag cu brad din Carpații Meridionali, România*", Swiss Research Fellowship (Sciex-NMSch)

10/2012-09/2020

Conferențiar universitar

Universitatea Transilvania din Brașov, Romania

Facultatea de Silvicultură și Exploatare Forestiere

Predare și cercetare Învățământ universitar: Biostatistică, Analiza datelor în cercetarea din silvicultură, Biodiverstate, Soluri Forestiere, lemn mort, păduri virgine.

07/2011-09/2012

Șef lucrări

Universitatea Transilvania din Brașov, Romania

Facultatea de Silvicultură și Exploatare Forestiere

Seminar la disciplina Biostatistică, Aplicații ale statisticii matematice în silvicultură

01/2007-06/2010

Asistent de cercetare

Universitatea Georg August, Göttingen (Germania)
Facultea de Științe Silvice și Ecologie Forestieră

Persoană responsabilă pentru proiectul: *"Influența diferitelor tratamente silviculturale asupra creșterii puieților de fag și duglas plantați sub masiv"*, finanțat de DFG (German Research Foundation)

Cercetător în ecologie forestieră, regenerarea arboretelor forestiere

03/2005-09/2005

Asistent de cercetare

Universitatea Georg August, Göttingen (Germania)
Facultea de Științe Silvice și Ecologie Forestieră

Cercetător în ecologie forestieră

03/2000-07/2011

Asistent universitar

Universitatea Transilvania din Brașov, Romania
Facultatea de Silvicultură și Exploatare Forestiere
Seminarii la disciplina Biostatistică

EDUCATION AND TRAINING

2019

Abilitare în Silvicultură
Facultatea de Silvicultură și Exploatare Forestiere
Universitatea Transilvania din Brașov, Romania

2007 -2011

Doctor în Științe Silvice
Titlul tezei: *"Influența diferitelor tratamente silviculturale asupra creșterii puieților de fag și duglas plantați sub masiv"*
Calificativul: magna cum laude
Facultatea de Silvicultură și Ecologie Forestieră
Universitatea Georg August, Göttingen
Conducător: Prof. dr. Burghard von Luepke

2001-2008

Doctor în Științe Agricole și Silvice (Titlul tezei: *"Contribuții la studiul statistic al parametrilor morfometrici și morfohidrologici ai bazinelor hidrografice mici, predominant forestiere"*)
Facultatea de Silvicultură și Exploatare Forestiere
Universitatea Transilvania din Brașov, Romania
Calificativ: Foarte bine; Conducător Prof. dr. Ioan Clinciu

2000 -2002

Master "Probabilități și statistică matematică"
Facultatea de Științe

Universitatea Transilvania din Braşov, Romania

1999-2000

Studii Aprofundate în Managementul Ecosistemelor Forestiere
(echivalent la Master în Silvicultură)
Facultatea de Silvicultură şi Exploatare Forestiere
Universitatea Transilvania din Braşov, Romania

1995-2000

Diplomă în Matematică (echivalent la Bachelor în Matematică),
Facultatea de Ştiinţe
Universitatea Transilvania din Braşov, Romania

1994-1999

Diplomă în Silvicultură (echivalent la Bachelor în Silvicultură)
Facultatea de Silvicultură şi Exploatare Forestiere
Universitatea Transilvania din Braşov, Romania

PERSONAL SKILLS

Limba maternă

Româna

Alte limbi străine cunoscute

Engleză
Germană

INTELEGERE		VORBIRE		SCRIERE
Ascultare	Citire	Participare la conversație	Discurs oral	
B2	C1	C1	C1	C2
A1	A1	A2	A2	A1

Autoevaluare în conformitate cu: <https://europass.cedefop.europa.eu/resources/european-language-levels-cefr>

Competențe de comunicare

- Abilități excelente de comunicare cu studenții dobândite prin activitatea de predare ca și profesor, cercetător și conducător de proiecte.
- Capacitate de a lucra în echipă obținută prin numeroase colaborări de cercetare atât cu echipe/grupuri de cercetare din România, precum și din străinătate (Germania, Spania, Elveția, Cehia, Franța).
- Competențe de conducere obținute ca și Coordonator al centrului de cercetare al departamentului Exploatare Forestiere, Amenajarea Pădurilor și măsurători Terestre, dar și în calitate de conducător de doctorat sau de director al proiectelor de cercetare gained as Head of Forest Engineering, Forest Management and Terrestrial Measurements Research Center of Transilvania University, as PhD supervisor and leader of research projects.
- Competențe în scrierea de propuneri de proiecte de cercetare fundamental și aplicată, precum și în impemenatrea unor astfel de proiecte.

Competențe dobândite la locurile de muncă

Proiecte de cercetare (coordinator/director de proiect):

- 2021-2025: Coordonator pentru partea română a proiectului Horizon H-2020, grant: HoliSoils "Holistic management practices, modelling and monitoring for European Forest Soils", 185.000 Euro
- 2021-2023: Director de proiect DEWOOD "Understanding biotic and abiotic controls of woody debris decomposition and its contribution to carbon budgets in old-growth forests" project (UEFISCDI- Exploratory research projects, ID: PN-III-P4-ID-PCE-2020-2696), 1198032 lei
- 2019-2021: Director de proiect: "Impact of insect herbivores on

biogeochemical cycling across pristine forests in Romania", subpart of project (EU under H2020-EU.1.1., ERC consolidator grant ID: 682707 (ECOHERB) developed by PI dr. Daniel Metcalfe, University Lund, Sweden, 21063 euro.

- 2015-2017: Coordinator of TreeMoris "Dinamica mortalității speciilor forestiere din România și impactul acestora asupra microbiomului și nutrienților din sol" project (UEFISCDI – Tinere echipe, ID: PN-II-RU-TE-2014-4-0791), buget total: 550000 lei
- 2013-2015: Director de proiect: "MODIST / Mortalitate și disturbanta: o analiză dendroecologică a principalelor procese ce influențează structura unei păduri virgine de fag cu brad din Carpații Meridionali, România", Swiss Research Fellowship (Sciex-NMSch), Forest, Snow and Landscape Institute, WSL, Birmensdorf, Switzerland; buget total :97000 CHF.
- 2007-2010: Persoană responsabilă pentru proiectul: "Influența diferitelor tratamente silviculturale asupra creșterii puieților de fag și duglas plantați sub masiv" finanțat de German Research Foundation (DFG) și implementat de Institutul de Silvicultură, Faculty of Forest Science and Forest Ecology, Goettingen, Germany; buget total: 105000 Euro.
- 2018-2018: Director de proiect: "NECROVIR/ Evaluarea necromasei și studiul dinamicii acesteia într-o pădure virgină de amestec de fag cu brad", finanțat de Universitatea Transilvania din Brașov prin mecanismul Institutional Development Fund (FDI) of National Council for the Financing of Higher Education (CNFIS) call FDI - 2018, cod proiect CNFIS-FDI-2018-037; buget total: 5478 Euro.

INFORMATII SUPLIMENTARE

Afilieri:

Association for tree-ring research – ATR (din 2017)

Citări:

1119 (1039 fără citările proprii) conform Web of Science (data de interogare: 2025-05-19)

h-index: 16 conform Web of Science (data de interogare: 2025-05-19)

1764 citări conform Google Scholar (data de interogare: 2025-05-19)

h-index: 19 conform Google Scholar (data de interogare: 2025-05-19)

https://scholar.google.com/citations?hl=en&user=13RitGwAAAAJ&view_op=list_works&sortby=pubdate

Premii:

2016 Premiul Fundației "Alexandru D. Săvescu" pentru activitatea științifică desfășurată în perioada 2009-2016.

Co-organizator al conferinței TRACE 2024 – Tree Rings in Archaeology, Climatology and Ecology - the annual meeting and international conference of the Association for Tree-Ring Research (ATR), BRAȘOV, ROMANIA, 3-8 JUNE 2024).

Editor:

Annals of Forest Research

Bucovina forestieră

Editor invitat: Forests, Dendrochronologia.

Recenzor pentru următoarele jurnale: Forest Ecology and Management (12), Journal of vegetation Science, Ecological informatics (3), Remote Sensing (8), Sustainability, Mathematical and Computational Forestry and Natural Resource Science, Environmental and Experimental Botany, Plant Ecology and Diversity, Annals of Forest Research (2), European Journal of Forest Research (2), IForest (9), Land, Journal of Ecology, Forests (14), The European Zoological Journal, Journal of Tropical Forest Science, Seefor-south- east European Forestry (2), Ecology and Evolution, Forestry (2), Journal of Environmental Management, Dendrobiology, Water, Scientific Reports (2), Journal of Plant Ecology, Plant Biosystems, Mountains Research and Development, New Forest (2), Forest Science, ISPRS International Journal of Geo-information, Journal of Forestry Research (3), Journal of Agricultural Science and Technology, Journal of Forest Science, Ecological Engineering, Turkish Journal of Agriculture and Forestry, Scandinavian Journal of Forest Research, Trees-Strucutre and Function.

Data

19.05.2025

Profesor,

Dr. Ion Cătălin Petrițan

ARTICOLE PUBLICATE IN REVISTE ISI (WEB OF SCIENCE)

1. Bernice C Hwang, Christian P Giardina, M Noelia Barrios-Garcia, Haoyu Diao, Virginia Gisela Duboscq-Carra, Andreas Hemp, Claudia Hemp, Mylthon Jiménez-Castillo, Paulina Lobos-Catalán, Levan Mumladze, Ana C Palma, **Ion Catalin Petritan**, Mariano A Rodriguez-Cabal, Tommi Andersson, Kainana S Francisco, Shelley A Gage, Giorgi Iankoshvili, Seana K Walsh, Daniel B Metcalfe. 2025. Insect herbivory releases more nutrients in warmer and drier forests. **Global Biogeochemical Cycles** 39(4).
2. Ionescu, DT, Hodor, CV, **Petritan, IC**, Baltag, EȘ. 2024. The importance of standing deadwood in white-backed woodpecker (*Dendrocopos leucotos*) habitat from deciduous forests in central Romania. **Annals of Forest Research** 67 (2), 121-134.
3. Pour, MJ, Etemad, V, **IC Petritan**. 2024. Structural dynamics of deciduous mixed stands in the Hyrcanian forests, northern Iran. **Notulae Botanicae Horti Agrobotanici Cluj-Napoca** 52 (4), 13879-13879.
4. Buezo, J; Medina, NG; Heres, AM; **Petritan, IC**; Cornelissen, JHC; Petritan, AM; Esteban, R; Ilinca, E; Stoian, R; Yuste, JC. 2024. Downed woody debris carbon emissions in a European temperate virgin forest as driven by species, decay classes, diameter and microclimate. **SCIENCE OF THE TOTAL ENVIRONMENT** 912.
5. Balacenoiu, F; Netoiu, C; Toma, D; **Petritan, IC**. 2024. Invasive behaviour of oak lace bug in forest ecosystems: a comparative analysis between thermophilous and mesophilous oak forests. **FRONTIERS IN FORESTS AND GLOBAL CHANGE** 6.
6. Petrea, S; Radu, GR; Braga, CI; Cucu, AB; Serban, T; Zaharia, A; Pepelea, D; Ienasoiiu, G; **Petritan, IC**. 2024. The Role of Wood Density Variation and Biomass Allocation in Accurate Forest Carbon Stock Estimation of European Beech (*Fagus sylvatica* L.) Mountain Forests. **FORESTS** 15 (3).
7. Leifsson, C; Buras, A; Klesse, S; Baittinger, C; Bat-Enerel, B; Battipaglia, G; Biondi, F; Stajic, B; Budeanu, M; Cada, V; Cavin, L; Claessens, H; Cufar, K; de Luis, M; Dorado-Liñán, I; Dulamsuren, C; Garamszegi, B; Grabner, M; Hacket-Pain, A; Hansen, JK; Hartl, C; Huang, WW; Janda, P; Jump, AS; Kazimirovic, M; Knutzen, F; Kreyling, J; Land, A; Latte, N; Lebourgeois, F; Leuschner, C; Longares, LA; Castillo, EMD; Menzel, A; Motta, R; Muffler-Weigel, L; Nola, P; Panayotov, M; Petritan, AM; **Petritan, IC**; Popa, I; Roibu, CC; Rubio-Cuadrado, A; Rydval, M; Scharnweber, T; Camarero, JJ; Svoboda, M; Toromani, E; Trotsiuk, V; Maaten-Theunissen, MV; Maaten, EV; Weigel, R; Wilmking, M; Zlatanov, T; Rammig, A; Zang, CS. 2024. Identifying drivers of non-stationary climate-growth relationships of European beech. **SCIENCE OF THE TOTAL ENVIRONMENT** 937.
8. Hwang, BC; Giardina, CP; Adu-Bredu, S; Barrios-Garcia, MN; Calvo-Alvarado, JC; Dargie, GC; Diao, HY; Duboscq-Carra, VG; Hemp, A; Hemp, C; Huasco, WH; Ivanov, AV; Johnson, NG; Kuijper, DPJ; Lewis, SL; Lobos-Catalán, P; Malhi, Y; Marshall, AR; Mumladze, L; Ngute, ASK; Palma, AC; **Petritan, IC**; Rordriguez-Cabal, MA; Suspense, IA; Zagidullina, A; Andersson, T; Galiano-Cabrera, DF; Jiménez-Castillo, M; Churski, M; Gage, SA; Filippova, N; Francisco, KS; Gaglianese-Woody, M; Iankoshvili, G; Kaswamila, MA; Lyatuu, H; Wenina, YEM; Materu, B; Mbemba, M; Moritz, R; Orang, K; Plyusnin, S; Vilca, BLP; Rodríguez-Solís, M; Samonil, P; Stepniak, KM; Walsh, SK; Xu, H; Metcalfe, DB. 2024. The impact of insect herbivory on biogeochemical cycling in broadleaved forests varies with temperature. **NATURE COMMUNICATIONS** 15(1).
9. MB Schwenke, C Bigler, AM Petritan, **IC Petritan**, G Madonna, VC Griess. 2024. Early-successional species show higher tolerance of drought than late-successional species across Europe. **Science of The Total Environment** 955, 176997.
10. Ferencík, M; Hofmeister, J; Mikolás, M; Buechling, A; Gloor, R; Kozák, D; Topercer, J; Pavlin, J; **Petritan, IC**; Bace, R; Duhová, D; Frankovic, M; Janda, P; Kameniar, O; Markuljaková, K; Meistrík, M; Pardus, I; Wiezik, M; Wieziková, A; Svoboda, M. 2024. Exploring the multiple drivers of alpha and beta-diversity dynamics in Europe's primary forests: Informing conservation strategies. 2024. **FOREST ECOLOGY AND MANAGEMENT** 571

11. Stefan Klesse, Richard L Peters, Raquel Alfaro-Sánchez, Vincent Badeau, Claudia Baittinger, Giovanna Battipaglia, Didier Bert, Franco Biondi, Michal Bosela, Marius Budeanu, Vojtěch Čada, J Julio Camarero, Liam Cavin, Hugues Claessens, Ana-Maria Cretan, Katarina Čufar, Martin de Luis, Isabel Dorado-Liñán, Choimaa Dulamsuren, Josep Maria Espelta, Balazs Garamszegi, Michael Grabner, Jozica Gricar, Andrew Hacket-Pain, Jon Kehlet Hansen, Claudia Hartl, Andrea Hevia, Martina Hobi, Pavel Janda, Alistair S Jump, Jakub Kašpar, Marko Kazimirović, Srdjan Keren, Juergen Kreyling, Alexander Land, Nicolas Latte, François Lebourgeois, Christoph Leuschner, Mathieu Lévesque, Luis A Longares, Edurne Martinez Del Castillo, Annette Menzel, Maks Merela, Martin Mikoláš, Renzo Motta, Lena Muffler, Anna Neycken, Paola Nola, Momchil Panayotov, Any Mary Petritan, **Ion Catalin Petritan**, Ionel Popa, Peter Prislan, Tom Levanič, Catalin-Constantin Roibu, Álvaro Rubio-Cuadrado, Raúl Sánchez-Salguero, Pavel Šamonil, Branko Stajić, Miroslav Svoboda, Roberto Tognetti, Elvin Toromani, Volodymyr Trotsiuk, Ernst van der Maaten, Marieke van der Maaten-Theunissen, Astrid Vannoppen, Ivana Vašíčková, Georg von Arx, Martin Wilmking, Robert Weigel, Tzvetan Zlatanov, Christian Zang, Allan Buras. 2024. No future growth enhancement expected at the northern edge for European beech due to continued water limitation. **Global Change Biology**. 30(10).
12. Tudose, NC; **Petritan, IC**; Toiu, FL; Petritan, AM; Marin, M. 2023. Relation between Topography and Gap Characteristics in a Mixed Sessile Oak-Beech Old-Growth Forest. **FORESTS** 14 (2).
13. Zemlerová, V; Kozák, D; Mikoláš, M; Svitok, M; Bace, R; Smycková, M; Buechling, A; Martin, M; Larrieu, L; Paillet, Y; Roibu, CC; **Petritan, IC**; Cada, V; Ferencík, M; Frankovic, M; Gloor, R; Hofmeister, J; Janda, P; Kameniar, O; Majdanová, L; Markuljaková, K; Matula, R; Mejstřík, M; Rydval, M; Vostarek, O; Svoboda, M. 2023. Natural Disturbances are Essential Determinants of Tree-Related Microhabitat Availability in Temperate Forests. **ECOSYSTEMS** 26 (6).
14. Kameniar, O; Vostarek, O; Mikoláš, M; Svitok, M; Frankovic, M; Morrissey, RC; Kozák, D; Nagel, TA; Dusátko, M; Pavlin, J; Ferencík, M; Keeton, WS; Spînu, AP; **Petritan, IC**; Majdanová, L; Markuljaková, K; Roibu, CC; Gloor, R; Bace, R; Buechling, A; Synek, M; Rydval, M; Málek, J; Begovic, K; Hofmeister, J; Rodrigo, R; Pettit, JL; Fodor, E; Janda, P; Svoboda, M. 2023. Synchronised disturbances in spruce- and beech-dominated forests across the largest primary mountain forest landscape in temperate Europe. **FOREST ECOLOGY AND MANAGEMENT** 537.
15. Braga, CI; Crisan, VE; **Petritan, IC**; Scarlatescu, V; Vasile, D; Lazar, G; Petritan, AM. 2023. Short-Term Effects of Anthropogenic Disturbances on Stand Structure, Soil Properties, and Vegetation Diversity in a Former Virgin Mixed Forest. **FORESTS** 14 (4).
16. **Petritan, IC**; Mihaila, VV; Yuste, JC; Bouriaud, O; Petritan, AM. 2023. Deadwood density, C stocks and their controlling factors in a beech-silver fir mixed virgin European forest. **FOREST ECOLOGY AND MANAGEMENT** 539 .
17. Hereş, A.M., Polanco-Martínez, J.M., **Petritan, I.C.**, Petritan, A.M. and Yuste, J.C., 2022. The stationary and non-stationary character of the silver fir, black pine and Scots pine tree-growth-climate relationships. **Agricultural and Forest Meteorology**, 325, p.109146.
18. Dorado-Liñán, I., Ayarzagüena, B., Babst, F., Xu, G., Gil, L., Battipaglia, G., Buras, A., Čada, V., Camarero, J.J., Cavin, L., ...**Petritan I.C.**, ... and Claessens, H., 2022. Jet stream position explains regional anomalies in European beech forest productivity and tree growth. **Nature communications**, 13(1), pp.1-10.
19. Martinez del Castillo, E., Zang, C.S., Buras, A., Hacket-Pain, A., Esper, J., Serrano-Notivoli, R., Hartl, C., Weigel, R., Klesse, S., ...**Petritan I.C.**, ..., Resco de Dios, V. and Scharnweber, T., 2022. Climate-change-driven growth decline of European beech forests. **Communications biology**, 5(1), pp.1-9.
20. Annighöfer, P., Mund, M., Seidel, D., Ammer, C., Ameztegui, A., Balandier, P., Bebre, I., Coll, L., Collet, C., Hamm, T. and Huth, F., ...**Petritan I.C.**,..., 2022. Examination of aboveground attributes to predict belowground biomass of young trees. **Forest Ecology and Management**, 505, p.119942.
21. Bălăcenoiu, F., Simon, D.C., Neţoiu, C., Toma, D. and **Petritan, I.C.**, 2021. The Seasonal Population Dynamics of *Corythucha arcuata* (Say, 1832)(Hemiptera: Tingidae) and the Relationship between Meteorological Factors and the Diurnal Flight Intensity of the Adults in Romanian Oak Forests. **Forests**, 12(12), p.1774.

22. Bălăcenoiu, F., Nețoiu, C., Tomescu, R., Simon, D.C., Buzatu, A., Toma, D. and **Petrițan, I.C.**, 2021. Chemical control of *Corythucha arcuata* (Say, 1832), an invasive alien species, in oak forests. **Forests**, 12(6), p.770.
23. Hereș, A.M., Bragă, C., Petritan, A.M., **Petritan, I.C.** and Curiel Yuste, J., 2021. Spatial variability of soil respiration (Rs) and its controls are subjected to strong seasonality in an even-aged European beech (*Fagus sylvatica* L.) stand. **European Journal of Soil Science**, 72(5), pp.1988-2005.
24. Petritan, A.M., **Petritan, I.C.**, Hevia, A., Walentowski, H., Bouriaud, O. and Sánchez-Salguero, R., 2021. Climate warming predispose sessile oak forests to drought-induced tree mortality regardless of management legacies. **Forest Ecology and Management**, 491, p.119097.
25. Hai, N.H., Erfanifard, Y., Bui, V.B., Mai, T.H., Petritan, A.M. and **Petritan, I.C.**, 2021. Topographic effects on the spatial species associations in diverse heterogeneous tropical evergreen forests. **Sustainability**, 13(5), p.2468.
26. Hereș, A.M., **Petritan, I.C.**, Bigler, C., Curtu, A.L., Petrea, Ș., Petritan, A.M., Polanco-Martínez, J.M., Rigling, A. and Yuste, J.C., 2021. Legacies of past forest management determine current responses to severe drought events of conifer species in the Romanian Carpathians. **Science of The Total Environment**, 751, p.141851.
27. Hai, N.H., Tan, N.T., Bao, T.Q., Petritan, A.M., Mai, T.H., Hien, C.T.T., Anh, P.T., Hung, V.T. and **Petritan, I.C.**, 2020. Changes in community composition of tropical evergreen forests during succession in Ta Dung National Park, Central Highlands of Vietnam. **Forests**, 11(12), p.1358.
28. Spînu, A.P., **Petrițan, I.C.**, Mikoláš, M., Janda, P., Vostarek, O., Čada, V. and Svoboda, M., 2020. Moderate-to High-Severity Disturbances Shaped the Structure of Primary Picea Abies (L.) Karst. Forest in the Southern Carpathians. **Forests**, 11(12), p.1315.
29. Dutcă, I., Zianis, D., **Petrițan, I.C.**, Bragă, C.I., Ștefan, G., Yuste, J.C. and Petrițan, A.M., 2020. Allometric biomass models for European beech and silver fir: testing approaches to minimize the demand for site-specific biomass observations. **Forests**, 11(11), p.1136.
30. Ionescu, D.T., Hodor, C.V. and **Petritan, I.C.**, 2020. Artificial wetlands as breeding habitats for colonial waterbirds within Central Romania. **Diversity**, 12(10), p.371.
31. Hai, N.H., Erfanifard, Y., Bao, T.Q., Petritan, A.M., Mai, T.H. and **Petritan, I.C.**, 2020. Phylogenetic Community and Nearest Neighbor Structure of Disturbed Tropical Rain Forests Encroached by *Streblus macrophyllus*. **Forests**, 11(7), p.722.
32. **Petritan, I.C.**, Mihăilă, V.V., Bragă, C.I., Boura, M., Vasile, D. and Petritan, A.M., 2020. Litterfall production and leaf area index in a virgin european beech (*Fagus sylvatica* L.)–Silver fir (*Abies alba* mill.) forest. **Dendrobiology**, 83
33. Gut, U., Árvai, M., Bijak, S., Camarero, J.J., Cedro, A., Cruz-García, R., Garamszegi, B., Hacket-Pain, A., Hevia, A., Huang, W., **Petritan I.C.**, and Isaac-Renton, M., 2019. No systematic effects of sampling direction on climate-growth relationships in a large-scale, multi-species tree-ring data set. *Dendrochronologia*, 57, p.125624.
34. Yuste J.C., Flores-Rentería D., García-Angulo D., Hereș A.M., Bragă C., Petritan A.M., **Petritan I.C.** 2019. Cascading effects associated with climate-change-induced conifer mortality in mountain temperate forests result in hot-spots of soil CO2 emissions. **Soil Biology and Biochemistry**, 133: 50-59.
35. Nguyen H., Erfanifard Y., Pham V., Le X., **Petritan I.C.** 2018. Spatial Association and Diversity of Dominant Tree Species in Tropical Rainforest, Vietnam. **Forests** 9(10): 615.
36. Nguyen H.H., Erfanifard Y., **Petritan I.C.** 2018. Nearest Neighborhood Characteristics of a Tropical Mixed Broadleaved Forest Stand. **Forests** 9(1): 33.
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