

Nr	Article	Year
1	Carrasco-Barra, Jaime; González-Olabarria, José Ramón; Matus-Olivares, Camilo; Ulloa-Fierro, Felipe; Soto, Felipe; Palacios, David; Mahaluf, Rodrigo; de la Barra, Felipe; Espinoza, Carolina; Vilches, Matías; ,New extensions of Cell2Fire software for fire risk analysis and evaluation in Chilean forests,Environmental Modelling & Software,,,,107009,2026,Elsevier.	2026
2	Diaz-Balteiro, L.; Soliño, M., 2026. How useful are spatial valuations of forest ecosystem services to stakeholders?. Forest Systems (in press)	2026
3	Fahad Shahzad, Kaleem Mehmood, Shoaib Ahmad Anees, Muhammad Adnan, Khadim Hussain, Waseem Razzaq Khan, Munawar Shah, Punyawati Jamjareegulgarn, Manuela Oliveira, José G. Borges. 2026. Understanding green house gases emission dynamics from forest fires in Thailand using predictive models. Global and Planetary Change,Volume 257,105236. https://doi.org/10.1016/j.gloplacha.2025.105236 .	2026
4	Grünig, Marc; Rammer, Werner; Baumann, Martin; Albrich, Katharina; André, Frédéric; Augustynczyk, Andrey LD; Bohn, Friedrich J; Bouwman, Meike; Bugmann, Harald; Collalti, Alessio; ,Loss of competitive strength in European conifer species under climate change,Communications Earth & Environment,7,1,401,2026,Nature Publishing Group UK London	2026
5	Grünig, Marc; Rammer, Werner; Senf, Cornelius; Albrich, Katharina; André, Frédéric; Augustynczyk, Andrey LD; Baumann, Martin; Bohn, Friedrich J; Bouwman, Meike; Bugmann, Harald; ,Climate change will increase forest disturbances in Europe throughout the 21st century,Science,391,6789,eadx6329,2026, American Association for the Advancement of Science	2026
6	Ian Mancilla-Wulff, Diego Terán, Carla Vairetti, José Ramón González-Olabarria, Andrés Weintraub, Jaime Carrasco-Barra. 2026. A scalable AI-driven approach for burned-area mapping using U-Net and Landsat imagery. Applied Soft Computing. 114070. Elsevier.	2026
7	Martín-Cortés, Carlos., Olena Porkhun, Borja García-Pascual, Xin Zhou, Carlos Hormazabal, Mauricio Acuna, Antonio Ruano, Mari Selkimäki, Blas Mola-Yudego, Heli Kymäläinen, Gianni Picchi, José Ramón González-Olabarria. 2026. 2D-CNN for tree stem detection and segmentation using data collected with a harvester-mounted mobile laser scanner. International Journal of Forest Engineering	2026
8	Masso-Ardila V, Paulo JA, Lloberas Lafuente D, Santos D, Marques S and Borges JG (2026) Unlocking the potential of non-timber forest products: insights from the acorn and the pine nut value chains in Portugal. Front. Sustain. Food Syst. 9:1628091. doi: 10.3389/fsufs.2025.1628091	2026
9	Pavani-Biju, Barbara, José G Borges, Susete Marques, Ana C Teodoro. 2026. Dasyetric Mapping for People-Centered Wildfire Risk Assessment Case Study: Northern Portugal. Land.	2026
10	Prato E. Yousefpour R. 2026. Socioeconomic and Cognitive Determinants of Biochar Implementation in Tropical Land Management: A Case Study from Rural Costa Rica. Sustainability 2026, 18(5), 2662; https://doi.org/10.3390/su18052662	2026
11	Salgado-Rojas, José; Moreno-Faguett, Matías; Álvarez-Miranda, Eduardo; Hermoso, Virgilio; Aquilué, Núria; Garcia-Gonzalo, Jordi; Nahuelhual, Laura; Martínez-Harms, María José; ,From Area Targets to Efficiency Frontiers: A Multi-Objective Framework for Conservation Planning,,,,,2026,	2026
12	Abate, D., Brigitte Botequim, Susete Marques, Constantino Lagoa, Juan Guerra Hernández, Geerten Hengeveld, Marjanke Hoogstra-Klein, José G. Borges. 2025. Recreational and aesthetic values of forest landscapes (RAFL): Quantifying management impacts and trade-offs with provisioning and regulatory ecosystem services. Forest Ecosystems, Volume 13, 100318m ISSN 2197-5620, https://doi.org/10.1016/j.fecs.2025.100318 .	2025
13	Brunet-Navarro, Pau; Garcia-Gonzalo, Jordi; Trasobares, Antoni; ,Innovative solutions for fire resilient territories in Europe. Preliminary results from FIRE-RES project,EGU General Assembly Conference Abstracts,,,EGU25-11257,2025.	2025
14	Carrasco, Jaime; Gonzalez-Olabarria, José Ramón; Palacios, David; Mahaluf, Rodrigo; Garcia-Gonzalo, Jordi; Weintraub, Andrés; ,Multicriteria firebreak planning for protecting ecological and cultural values under Wildfire risk: A case study in Catalonia,Environmental and Sustainability Indicators,,,,100956,2025,Elsevier	2025
15	Casados, S.M.; Rodríguez-Fernández, S.; Marques, S.; Cuartas, A.M.M.; de Frutos, S.; Coll, L.; Borges, J.G. A Participatory Multi-Criteria Approach to Select Areas for Post-Fire Restoration After Extreme Wildfire Events. <i>Forests</i> 2025 , <i>16</i> , 1090. https://doi.org/10.3390/f16071090	2025
16	Delgado- Rodriguez, M.; Diaz-Balteiro, L.; Ribeiro Nobre, S.; Estraviz Rodriguez, L.C., 2025. Optimal Rotation and Ecosystem Services: A Generalization in Forest Plantations. <i>Forests</i> 16, 618.	2025
17	Delgado-Rodriguez, M.; Rodriguez-Soalleiro, R.; Ribeiro Nobre, S.; Rodriguez Luiz Carlos E.; Diaz-Balteiro, L.; Tarim, S.A, 2025. Resin: Not only a secondary forest product. <i>European Journal of Forest Research</i> 144: 1161-1169.	2025
18	Djahangard M., Costa M., Bugmann H., Yousefpour R. 2025. Global warming levels exceeding 2°C may cause tipping point of low elevation forests in a peri-urban forest of the black forest foothills. <i>Forest Ecosystems</i> , 100403, https://doi.org/10.1016/j.fecs.2025.100403 .	2025
19	Erico, Kutchartt; GONZÁLEZ-OLABARRIA, JR; Aquilué, N; Garcia Gonzalo, J; Trasobares, A; Botequim, B; Hauglin, M; Palaialogou, P; Vassilev, V; Cardil, A; ,Servidor de combustibles a nivel paneuropeo: un portal de geo-datos para el apoyo y evaluación en incendios forestales,9º CONGRESO FORESTAL ESPAÑOL, 2025.	2025
20	Etamad S., Mohammadi L. S., Yousefpour R. 2025. Simulating the effects of climate change on the growth and management of Oriental Beech (<i>Fagus orientalis</i> L.) in Hyrcanian forests of Iran. <i>European Journal of Forest Research</i> . <i>Eur J Forest Res</i> 144, 963–979 (2025). https://doi.org/10.1007/s10342-025-01785-2	2025

21	Hoyos-Santillan, J., et al. (2025). Soil carbon stock densities in mangrove and forested wetland ecosystems. European Biomass Production Systems: Characterization and ecosystem services implications. (2025). GCB Bioenergy. https://doi.org/10.1111/gcbb.70057	2025
22	Magalhães, J.A.; Guerra-Hernández, J.; Cosenza, D.N.; Marques, S.; Borges, J.G.; Tomé, M. Development of a Methodology Based on ALS Data and Diameter Distribution Simulation to Characterize Management Units at Tree Level. <i>Remote Sens.</i> 2024 , <i>16</i> , 4238. https://doi.org/10.3390/rs16224238	2025
23	Matías Moreno-Faguett, J. Salgado-Rojas, Virgilio Hermoso, M. Martínez-Harms, Bárbara Larraín-Barrios, E. Álvarez-Miranda. 2025. Ecosystem Risk Management: A MIP Approach to Spatial Prioritization of Multiple Management Actions. 2025. Omega. DOI:10.1016/j.omega.2025.103507Corpus ID: 284138090.	2025
24	Murray, Lucas; Castillo, Tatiana; de Diego, Isaac Martin; Weber, Richard; Gonzalez-Olabarria, Jose Ramon; Garcia-Gonzalo, Jordi; Weintraub, Andres; Carrasco-Barra, Jaime; ,Deep reinforcement learning for optimal firebreak placement in forest fire prevention,Applied Soft Computing,175,,113043,2025,Elsevier	2025
25	Sergio Rodríguez-Fernández, Philip J Murphy, Keith M Reynolds, Srijana Poudel, José Ramón González-Olabarria, José G Borges. 2025. Participatory multi-criteria decision analysis to prioritize management areas that help suppress wildfires.Frontiers in Forests and Global Change.	2025
26	Abate, D., S. Marques, V. Bushenkov, J. Riffo, A. Weintraub, M. Constantino, C. Lagoa and J. G. Borges. 2024 Assessment of tradeoffs between ecosystem services in large spatially constrained forest management planning problems Frontiers in Forests and Global Change 7 https://doi.org/10.3389/ffgc.2024.1368608	2024
27	Baharanchi O. Gh. Hemami M. R., Yousefpour R. 2024. Spatial Conservation Prioritization of Persian Squirrel Based on Habitat Suitability and Climate-Induced Forest Mortality Risk. Forests 2024, 15(2), 290; https://doi.org/10.3390/f15020290	2024
28	Baskent, E.Z., Borges, J.G. & Kašpar, J. An Updated Review of Spatial Forest Planning: Approaches, Techniques, Challenges, and Future Directions. <i>Curr. For. Rep.</i> 10 , 299–321 (2024). https://doi.org/10.1007/s40725-024-00222-8	2024
29	Constantino, M., M. Mesquita, S. Marques, S. Tóth and J. G. Borges 2024 Road Network, Landing Location and Routing Optimization for Forest Smallholders Landscapes (International Transactions in Operational Research).	2024
30	Djahangard M, Zhang H., Yousefpouyr R. 2024. Assessing Ecological Complexity and Uncertainty of Predicting Forest Ecosystem Services under Climate Change. Ecological Complexity 60 (2024) 101106. https://doi.org/10.1016/j.ecocom.2024.101106	2024
31	Ezquerro, M., et al. (2024). The inclusion of improved forest management in strategic forest planning. Science of the Total Environment.	2024
32	Ezquerro, M.; Diaz-Balteiro, L.; Pardos, M., 2023. Implications of forest management on the conservation of protected areas: a new proposal in Central Spain. Forest Ecology and Management 548: 121428	2024
33	Ezquerro, M.; Pardos, M., Diaz-Balteiro, L., 2024. The inclusion of improved forest management in strategic forest planning and its impact on timber harvests, carbon and biodiversity conservation. Science of the Total Environment, 174813	2024
34	Fernández, M.P.; Alzamora, R.M.; Chateau, F.; Elissetche, J.P.; Pérez, E. Discarded Small-Logs Recovery from Natural Forests: Improving the Value Chain. Forests 2025, 16, 1456. https://doi.org/10.3390/f16091456	2024
35	Ferreira L., A. N. Baptista, I. Martins, S. Marques, M. Constantino and J. G. Borges 2023 Integrating Wildfire Resistance and Environmental Concerns into a more Sustainable Forest Ecosystem Management Approach Frontiers in Forests and Global Change 6 https://doi.org/10.3389/ffgc.2023.1177698	2024
36	Gidey T., E. Birhane, A. Manaye, H. Kassa, T. Atsbha, N. Solomon, H. Hishe, A. Negussie, P. Madera, J.G Borges 2023 Prioritizing forest conservation strategies using a multi-attribute decision model to address concerns with the survival of the endangered dragon tree (Dracaena ombet Kotschy and Peyr.). Journal for Nature Conservation 73, 126404 https://doi.org/10.1016/j.jnc.2023.126404	2024
37	Gidey T., E. Birhane, N. Solomon, T. Atsbha, A. Manaye, H. Hishe, Y. Gufi, M. Tesfaye, A. Negussie, T. S. Oliveira, J. H. N. Palma, P. Madera, J.G. Borges 2024 Population and conservation status of the endangered Dracaena ombet tree species in dry Afromontane forests. Global Ecology and Conservation 50: e02809, https://doi.org/10.1016/j.gecco.2024.e02809	2024
38	Gonzalez-Olabarria, Jose Ramon; Carrasco, Jaime; Pais, Cristobal; Garcia-Gonzalo, Jordi; Palacios-Meneses, David; Mahaluf-Recasens, Rodrigo; Porkhum, Olena; Weintraub, Andres; ,A fire spread simulator to support tactical management decisions for Mediterranean landscapes.,Frontiers in Forests and Global Change,6,1071484,18,2023,Frontiers	2024
39	Grünig, Marc; Rammer, Werner; Albrich, Katharina; André, Frédéric; Augustynczik, Andrey LD; Bohn, Friedrich; Bouwman, Meike; Bugmann, Harald; Collalti, Alessio; Cristal, Irina; ,A harmonized database of European forest simulations under climate change,Data in Brief,54,,110384,2024,Elsevier	2024
40	Krsnik, Goran; Busquets Olivé, Eduard; Piqué Nicolau, Míriam; Larrañaga, Asier; Terés, José Ángel; Garcia-Gonzalo, Jordi; González Olabarria, José Ramón; ,Spatial Multi-Criteria Analysis for Prioritising Forest Management Zones to Prevent Large Forest Fires,Available at SSRN 4733505,,,,2024,	2024
41	Krsnik, Goran; Olivé, Eduard Busquets; Nicolau, Míriam Piqué; Larrañaga, Asier; Terés, José Ángel; Garcia-Gonzalo, Jordi; Olabarria, José Ramón González; ,Spatial multi-criteria analysis for prioritising forest management zones to prevent large forest fires in Catalonia (NE Spain),Environmental Challenges,15,,100959,2024,Elsevier	2024

42	Krsnik, Goran; Reynolds, Keith M; Aquilué, Núria; Mola-Yudego, Blas; Pecurul-Botines, Mireia; Garcia-Gonzalo, Jordi; González Olabarria, José Ramón; ,Assessing the dynamics of forest ecosystem services to define forest use suitability: a case study of Pinus sylvestris in Spain,Environmental Sciences Europe,36,1,128,2024, Springer Berlin Heidelberg Berlin/Heidelberg	2024
43	Krsnik, Goran; Reynolds, Keith M; Aquilué, Núria; Mola-Yudego, Blas; Pecurul-Botines, Mireia; Garcia-Gonzalo, Jordi; Olabarria, José Ramón González; ,Assessing the dynamics of forest ecosystem services to define forest use suitability,,,,,2024,	2024
44	Krsnik, Goran; Reynolds, Keith M; Murphy, Philip; Paplanus, Steve; Garcia-Gonzalo, Jordi; Olabarria, José Ramón González; ,Forest use suitability: Towards decision-making-oriented sustainable management of forest ecosystem services,Geography and Sustainability,4,4,414-427,2023,Elsevier	2024
45	Kutchartt, Erico; González-Olabarria, José Ramón; Aquilué, Núria; Garcia-Gonzalo, Jordi; Trasobares, Antoni; Botequim, Brigitte; Hauglin, Marius; Palaiologou, Palaiologos; Vassilev, Vassil; Cardil, Adrian; ,Pan-European fuel map server: An opengeodata portal for supporting fire risk assessment,Geomatica,76,2,100036,2024,Elsevier.	2024
46	Lena Vilà-Villardell, Alan J. Tepley, Anna Sala, Pere Casals, Sharon M. Hood. 2024. Long-term sensitivity of ponderosa pine axial resin ducts to harvesting and prescribed burning. Forest Ecology and Management, Volume 572, 122301, https://doi.org/10.1016/j.foreco.2024.122301 .	2024
47	Marques, S., A. R. Rodrigues, J. A. Paulo, B. Botequim, J. G. Borges 2024 Addressing Carbon Storage in Forested Landscape Management Planning—An Optimization Approach and Application in Northwest Portugal. Forests 15: 408. https://doi.org/10.3390/f15030408	2024
48	Nobre, S. R., et al. (2024). Reframing Forest Harvest Scheduling Models for Ecosystem Services.	2024
49	Nobre, S.; McDill, M.; Rodriguez, L.C.; Diaz-Balteiro, L., 2023. A general rule framework for generating alternatives for forest ecosystem management decision support systems. Forests 14, 1717.	2024
50	Ortiz-Urbina, E.; Diaz-Balteiro, L.; Pardos, M.; González-Pachón, J., 2022. Representative group decision-making in forest management: A compromise approach. Forests 13, 606.	2024
51	Pais, Cristobal; Gonzalez-Olabarria, Jose Ramon; Elimbi Moudio, Pelagie; Garcia-Gonzalo, Jordi; González, Marta C; Shen, Zuo-Jun Max; ,Global scale coupling of pyromes and fire regimes,Communications Earth & Environment,4,1,267,2023. Nature Publishing Group UK London	2024
52	Pavani-Biju, B.; Borges, J.G.; Marques, S.; Teodoro, A.C. Enhancing Forest Site Classification in Northwest Portugal: A Geostatistical Approach Employing Cokriging. Sustainability 2024, 16, 6423. https://doi.org/10.3390/su16156423	2024
53	Peris-Llopis, Marina; Mola-Yudego, Blas; Berninger, Frank; Garcia-Gonzalo, Jordi; González-Olabarria, José Ramón; ,Impact of species composition on fire-induced stand damage in Spanish forests,Scientific reports,14,1,8594,2024,Nature Publishing Group UK London	2024
54	Peris-Llopis, Marina; Vastaranta, Mikko; Saarinen, Ninni; Gonzalez-Olabarria, Jose Ramon; García-Gonzalo, Jordi; Mola-Yudego, Blas; ,Post-fire vegetation dynamics and location as main drivers of fire recurrence in Mediterranean forests,Forest Ecology and Management,568,,122126,2024,Elsevier	2024
55	Ribeiro Nobre, S.; Mc Dill, M.; Estraviz Rodriguez, L.C., Diaz-Balteiro, L., 2024. Reframing Forest Harvest Scheduling Models for Ecosystem Services Management. Forests 15, 2236	2024
56	Rodríguez Fernández, Sergio; ,A proposal and test of a participatory multi-criteria approach with GIS-based AHP to detect high priority areas to facilitate suppression efforts against wildfires—An application in Portugal,,,,,2023,"Instituto Superior de Agronomia, Universidade de Lisboa"	2024
57	Vieira, F. F., M. Oliveira, M. A. Sanfins, E. Garção, H. Dasari, V. Dodla, G. C. Satyanarayana, J. Costa and J. G. Borges 2023 Statistical analysis of extreme temperatures in India in the period 1951–2020 Theoretical and Applied Climatology https://doi.org/10.1007/s00704-023-04377-5	2024
58	Krsnik, Goran; Reyes-Paecke, Sonia; Reynolds, Keith M; Garcia-Gonzalo, Jordi; González Olabarria, José Ramón; ,Assessing relativeness in the provision of urban ecosystem services: better comparison methods for improved well-being,Land,12,5,1088,2023,MDPI	2023
59	Abate, D.; Borges, J.G.; Marques, S.; Bushenkov, V. 2022. An Ecological-Economic Approach to Assess Impacts of the Expansion of Eucalyptus Plantations in Agroforest Landscapes of Northern Ethiopia. Forests 2022. , 13, 686. https://doi.org/10.3390/f13050686	2022
60	Ortiz-Urbina, E., Díaz-Balteiro, L., Pardos, M., & González-Pachón, J. (2022). Representative Group Decision-Making in Forest Management: A Compromise Approach. Forests, 13(4), 606. https://doi.org/10.3390/f13040606	2022
61	Rimal, B., et al. (2022). Forest Management under Climate Change. Land, 11(3), 446. https://doi.org/10.3390/land11030446 .	2022
62	Trasobares, Antoni; Mola-Yudego, Blas; Aquilué, Núria; González-Olabarria, José Ramón; Garcia-Gonzalo, Jordi; García-Valdés, Raúl; De Cáceres, Miquel; ,Nationwide climate-sensitive models for stand dynamics and forest scenario simulation,Forest Ecology and Management,505,,119909,2022,Elsevier.	2022