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Forests, Science and People



1.01.13 - ECOLOGY AND SILVICULTURE OF CHESTNUT

Coordinator: Stacy Clark

Deputies: Veronica Loewe, Maria Patricio and Enrico Marcolin

Nr. 7 / 2024 - June

Come and join us at: <https://www.iufro.org/science/divisions/division-1/10000/10100/10113/>

This is the newsletter from the IUFRO working party 1.01.13 '[Ecology and Silviculture of Chestnut](#)'. With this newsletter, we aim at sharing information, exchanging research ideas, and building a network among chestnut researchers. The newsletter will be published every 3 months (see here for previous numbers: <https://www.iufro.org/science/divisions/division-1/10000/10100/10113/publications/>).

If you have an item of interest to share, such as meetings, publications, research projects or job opportunities, please see the Newsletter contributions section below.

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Session T2.26:

Silviculture for the Bioeconomy and Ecosystem Services in Castanea Forests

Friday, June 28, 08:30 - 10:30 AM (CEST)



Room A7 - Stockholmsmässan, Mässvägen 1, 125 30 Älvsjö, Sweden

Full programme: <https://iufro2024.com/detailed-programme/>

Moderators



Stacy Clark

USDA Forest Service, Southern Research Station, U. S.



Thomas Campagnaro

University of Padova, Tesaf Dept., Italy

Inner sessions

Friday, June 28, 08:30 - 08:45 AM (CEST)

Synergies between the American and Sweet chestnuts could impact the rural bioeconomy

Speakers



Stacy Clark

Friday, June 28, 08:45 - 08:57 AM (CEST)

Micro-collective approach to establish a mixed forest with *Castanea sativa* and *Quercus petraea* after two years from plantation

Speakers



Barbara Mariotti

Friday, June 28, 08:57 - 09:09 AM (CEST)

BEYOND BLIGHT: SILVICULTURE AND POLICY CONSIDERATIONS FOR AMERICAN CHESTNUT RESTORATION

Speakers



Douglass Jacobs

Friday, June 28, 09:09 - 09:21 AM (CEST)

Unlocking the Potential of Sweet Chestnut Stands: Sustainable Management, Carbon Sequestration and Revenue Generation

Speakers



Maria Patricio

Friday, June 28, 09:21 - 09:30 AM (CEST)

Discussion period

Friday, June 28, 09:30 - 09:42 AM (CEST)

Multifunctionality of chestnut coppices and future prospects in timber production and ecosystem services.

Speakers



enrico marcolin

Friday, June 28, 09:42 - 09:54 AM (CEST)

The potentials of chestnut forests for supporting a forest-based bioeconomy

Speakers



Nicola Andrighetto

Friday, June 28, 09:54 - 10:06 AM (CEST)

Naturalized sweet chestnut (*Castanea sativa* Mill.) in the rural landscape

Speakers



Verónica Loewe-Muñoz

Friday, June 28, 10:06 - 10:18 AM (CEST)

Continued Chestnut Biotechnology Development at SUNY-ESF

Speakers



Erik Carlson

Friday, June 28, 10:18 - 10:30 AM (CEST)

Discussion period end

POSTER session - Short presentations - Friday, June 28, 12:00—12:45 AM (CEST)



Poster 20

Chairs: Shawn Brown

University of Memphis, Department of Biological Sciences, U.S.

Patrícia Fernandes

State University of New York, Dept. Environmental Biology, U.S.

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12:00 - 12:05 What new frontiers for the socio-economic revival of the Italian chestnut sector?

Stefano Bruzzese, Simone Blanc, Silvia Novelli, Filippo Brun

12:05 - 12:10 The Management of Agroforestry for Japanese Chestnut (*Castanea crenata*) in Taiwan.

Ming-Yuan Huang, Wei-Chun Chao, Yue Ken Liao

12:10 - 12:15 More than trees: how fungal community ecology can inform and improve success of *Castanea* outplanting performance and disease outcomes.

Shawn Brown, Richard Baird, Ryan Williams, Scott Schlarbaum, Stacy Clark

12:15 - 12:20 Biodiversity in sweet chestnut forests: effects of coppicing and of the spread of black locust.

Thomas Campagnaro, Giovanni Trentanovi, Simone Iacopino, Andrea Squartini, Flora Giulia Simonelli, Edoardo Alterio, Giovanni Bertoldo, Giuseppe Concheri, Stefano Grigolato, Alessia Portaccio, Andrea Rizzi, Roberto Rizzieri Masin, Piergiorgio Stevanato, Stefano Tasinazzo, Tommaso Sitzia

12:20 - 12:25 Coppices are not the same anymore: evolution of the radial increment in young chestnut coppices.

Enrico Marcolin, Marco Conedera, Mark Bertogliati, Mario Pividori, Maria Chiara Manetti

12:25 - 12:30 Integrating Diversity, Ramping Up Capacity, and Transforming Nursery Capacity for Threatened Native Tree Species Restoration.

John Scrivani, Sara Fern Fitzsimmon, Jared Westbrook, Stephen Hoy, Michael French

12:30 - 12:35 Blight-tolerant Darling 58 transgenic American chestnuts.

Patrícia Fernandes, William Powell, Andrew Newhouse

12:35 - 12:40 Chestnut technique, physiology and legislation: an emblematic paradox. The Amiata experience.

Mirko Benanchi, Piergiuseppe Montini

Completed summary of the *FORECO* Special Issue on:



***** Ecology and Management of Chestnut *****

Editorial:

Advances and perspectives on the ecology and management of Castanea species.

Marcolin, E., Clark, S. L., Patricio, M. S., & Loewe-Muñoz, V.

15 August 2023 - <https://doi.org/10.1016/j.foreco.2023.121119>

Preferential allocation of carbohydrate reserves belowground supports disturbance-based management of American chestnut (Castanea dentata)

Madeline S. Montague, Simon M. Landhäusser, Gordon G. McNickle, Douglass F. Jacobs

1 April 2022 - <https://doi.org/10.1016/j.foreco.2022.120078>

Preferences of avian seed-hoarders in advance of potential American chestnut reintroduction

James R. Wright, Stephen N. Matthews, Cornelia C. Pinchot, Christopher M. Tonra

1 May 2022 - <https://doi.org/10.1016/j.foreco.2022.120133>

Phenology, cold injury and growth of American chestnut in a Range-Wide provenance test

Paul G. Schaberg, Paula F. Murakami, Kendra M. Collins, Christopher F. Hansen, Gary J. Hawley

1 June 2022 - <https://doi.org/10.1016/j.foreco.2022.120178>

Mixed-effects generalized height-diameter model: A tool for forestry management of young sweet chestnut stands

Maria Sameiro Patricio, Cremildo R.G. Dias, Luís Nunes

15 June 2022 - <https://doi.org/10.1016/j.foreco.2022.120209>

Deer browse susceptibility limits chestnut restoration success in northern hardwood forests

Cornelia C. Pinchot, Alejandro A. Royo, John S. Stanovick, Scott E. Schlarbaum, ... Sandra L.

Anagnostakis

1 November 2022 - <https://doi.org/10.1016/j.foreco.2022.120481>

Temperate coppice forests in north-western Italy are resilient to wild ungulate browsing in the short to medium term

Alessandra Bottero, Fabio Meloni, Matteo Garbarino, Renzo Motta

1 November 2022 - <https://doi.org/10.1016/j.foreco.2022.120484>

Optimizing quality wood production in chestnut (Castanea sativa Mill.) coppices
Maria Chiara Manetti, Marco Conedera, Francesco Pelleri, Piergiuseppe Montini, ... Enrico Marcolin
1 November 2022 - <https://doi.org/10.1016/j.foreco.2022.120490>

Restoring a keystone tree species for the future: American chestnut assisted migration plantings in an adaptive silviculture experiment
Peter W. Clark, Alissa J. Freeman, Anthony W. D'Amato, Paul G. Schaberg, ... Christopher W. Woodall
1 November 2022 - <https://doi.org/10.1016/j.foreco.2022.120505>

Effectiveness of chemical and physical methods for stump sprout control in Castanea sativa Mill
Pau Vericat, Jaime Coello, Mario Beltrán, Míriam Piqué
1 December 2022 - <https://doi.org/10.1016/j.foreco.2022.120537>

Comparisons of interspecies field performance of Fagaceae (Castanea and Quercus) planted in the southeastern United States with attention to soil fungal impacts on plant performance
Shawn P. Brown, Stacy L. Clark, Emerald Ford, Ari Jumpponen, ... Richard Baird
1 December 2022 - <https://doi.org/10.1016/j.foreco.2022.120569>

Effects of growth Medium, temperature and mycelium age on CHV-1 accumulation and transmission
Pedro Romon-Ochoa, Alex Lewis, Caroline Gorton, Sietse van der Linde, Ana Pérez-Sierra
1 February 2023 - <https://doi.org/10.1016/j.foreco.2022.120705>

Impacts of spatial scale and resolution on species distribution models of American chestnut (Castanea dentata) in Pennsylvania, USA
Alec F. Henderson, Jennifer A. Santoro, Peleg Kremer
1 February 2023 - <https://doi.org/10.1016/j.foreco.2022.120741>

Mixed Castanea sativa plantations including arboreal companion species enhance chestnut growth and high-quality timber production
Verónica Loewe-Muñoz, Claudia Delard, Rodrigo del Río, Luis Barrales, Mónica Balzarini
1 February 2023 - <https://doi.org/10.1016/j.foreco.2022.120742>

Development of tools to estimate the contribution of young sweet chestnut plantations to climate-change mitigation
M. Menéndez-Miguélez, P. Álvarez-Álvarez, M. Pardos, G. Madrigal, ... R. Calam
15 February 2023 - <https://doi.org/10.1016/j.foreco.2022.120761>

Effect of thinning on growth and shape of Castanea sativa adult tree plantations for timber production in Chile
Susana Benedetti-Ruiz, Verónica Loewe-Muñoz, Rodrigo Del Río, Claudia Delard, ... Mónica Balzarini
15 February 2023 - <https://doi.org/10.1016/j.foreco.2022.120762>

Convergent shifts in soil fungal communities associated with Fagaceae reforestation in the Southern Appalachian Mountains
Shawn P. Brown, Stacy L. Clark, Emerald Ford, Nahreen Mirza, ... Richard Baird
1 March 2023 - <https://doi.org/10.1016/j.foreco.2023.120805>

Eight-year field performance of backcross American chestnut (Castanea dentata) seedlings planted in the southern Appalachians, USA

Stacy L. Clark, Scott E. Schlarbaum, Arnold M. Saxton, Steven N. Jeffers, Richard E. Baird
15 March 2023 - <https://doi.org/10.1016/j.foreco.2023.120820>

The role of ectomycorrhization with Scleroderma sp. in promoting substrate nutrients mobilization under phosphorus-enriched compost amendment: A case study with Castanea henryi seedlings

Wangzun Chen, Libing He, Shiyi Tian, Deyi Yuan, ... Feng Zou
15 March 2023 - <https://doi.org/10.1016/j.foreco.2023.120823>

Age, size and neighbors influence the survival and growth of understory trees in a naturally reproducing population of American chestnut, Castanea dentata

Harmony J Dagleish, Lindsey Monteith, Erica Collins
15 March 2023 - <https://doi.org/10.1016/j.foreco.2023.120824>

Sweet chestnut forests under black locust invasion threat and different management: An assessment of stand structure and biodiversity

Thomas Campagnaro, Giovanni Trentanovi, Simone Iacopino, Andrea Squartini, ... Tommaso Sitzia
1 June 2023 - <https://doi.org/10.1016/j.foreco.2023.120907>

Comparative growth and physiological performance of American Chestnuts, Oaks, Hickories, and sugar maple across a silvicultural gradient in overstory retention

Garrett R. Evans, Julia I. Burton, William A. Powell, John E. Drake
15 May 2023 - <https://doi.org/10.1016/j.foreco.2023.120908>

A silvicultural synthesis of sweet (Castanea sativa) and American (C. dentata) chestnuts

Stacy L. Clark, Enrico Marcolin, Maria Sameiro Patrício, Verónica Loewe-Muñoz
1 July 2023 - <https://doi.org/10.1016/j.foreco.2023.121041>

Direct link to the Special Issue:

<https://www.sciencedirect.com/journal/forest-ecology-and-management/special-issue/10RX05B62LH>

Group members



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News from the working party



Do you want to join the Business meeting of the Group at the IUFRO World Congress?

Sunday, June 23, 17:00-18:50, Room B3.

We will be providing a brief introduction to our relatively newly formed working party (Ecology and Silviculture of Chestnut), and we hope to discuss possibilities and opportunities for future collaborations and meetings.

It would be nice to see you there!

Please let us know if you can attend, so we can have refreshments available.

e-mail: stacy.l.clark@usda.gov to RSVP by June 10.

News from the chestnut world

- **EUROCASTANEA European Days 2024**, Greece: September 12-15, 2024

<http://www.eurocastanea.org>

The next EUROCASTANEA European Days will take place in Greece, in AGIA (Thessaloniki Province)

Program and registration will be sent after the [registration to the newsletter](#).

- **Chestnut Chat Series,**

- Rescue and Restoration of the American Chestnut.

- The Transgenic Darling 58 American Chestnut Tree

All Chestnut Chats are LIVE via Zoom, so you can attend from anywhere!

[Chat series registration web-page](#)

Call for Papers

- [Forests] (IF: 2.9, ISSN: 1999-4907) — Special Issue "Multiple-Use and Ecosystem Services of Forests—2nd Edition"

Guest Editors: Dr. Susete Marques, Prof. Dr. Emin Z. Başkent and Dr. Brigitte Botequim.

The submission deadline is 25 October 2024 and papers may be submitted immediately or at any point until 25 October 2024, as papers will be published on an ongoing basis.

For more information on this Special Issue and submission guidelines, please visit the following page: <https://www.mdpi.com/sj/forests/2CZFLTNFHF>.

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Featured Newly Published Papers and Books

We ask for your cooperation in case you want to report news (see the section Newsletter contributions).

Fereday, G., Meech, N., Nevill, G., Driver, D., & Lewis, H. (2023). Coppiced sweet chestnut in UK construction—challenges and opportunities for design development of hardwood building products. *International Wood Products Journal*, 14(2), 87-93.

<https://doi.org/10.1080/20426445.2023.2223944>

Berika Beridze, Katarzyna Sękiewicz, Łukasz Walas, Peter A Thomas, Irina Danelia, Giorgi Kvartskhava, Vahid Farzaliyev, Angela A Bruch, Monika Dering, Evolutionary history of *Castanea sativa* in the Caucasus driven by Middle and Late Pleistocene paleoenvironmental changes, *AoB PLANTS*, Volume 15, Issue 5, October 2023, plad059,

<https://doi.org/10.1093/aobpla/plad059>

Alessandri, S., Ramos Cabrer, A.M., Martin, M.A., Mattioni, C., Pereira-Lorenzo, S. and Dondini, L. (2023). Molecular characterization of Italian and Spanish chestnut trees. *Acta Hort.* 1384, 149-154.

<https://doi.org/10.17660/ActaHortic.2023.1384.20>

Carbone F., Portoghesi L., Romagnoli M., Barbarese F., and Grassi T. 2024. "Production of Chestnut Coppice Biomass in a Framework of Low Mechanization and High Expectations to Combat Climate Change and Other Social Expectations" *Forests* 15, no. 3: 412.

<https://doi.org/10.3390/f15030412>

Keleş, S. Ö., Ünal, S., Akan, S., & Karadeniz, M. (2024). Chestnut blight (*Cryphonectria parasitica* (Murr.) Barr) disease incidence and its effect on the morphological and anatomical features of *Castanea sativa* trees. *Forest Pathology*, 54(1), e12843.

<https://doi.org/10.1111/efp.12843>

Gaede, F., Quintas-Soriano, C., Davison, B., & Plieninger, T. (2024). Integrating perennial staple food crops in agroforestry systems: A case study of chestnut (*Castanea* sp.) in Germany. *Trees, Forests and People*, 15, 100473.

<https://doi.org/10.1016/j.tfp.2023.100473>

Benigno, A., Aglietti, C., Cacciola, S. O., & Moricca, S. (2024). Trunk Injection Delivery of Biocontrol Strains of *Trichoderma* spp. Effectively Suppresses Nut Rot by *Gnomoniopsis castaneae* in Chestnut (*Castanea sativa* Mill.). *Biology*, 13(3), 143.

<https://doi.org/10.3390/biology13030143>

Charles, M. A., & McKenna, D. D. (2024). Did the Functional Extinction of the American Chestnut, *Castanea dentata*, Result in the Extinction of the Greater Chestnut Weevil, *Curculio caryatrypes*?. *Northeastern Naturalist*, 30(4), 511-520.

<https://doi.org/10.1656/045.030.0413>

Aksoy, H. (2024). Investigations of the spatial and climate characteristics of natural pure chestnut (*Castanea sativa* Mill.) forests: A case of Zonguldak Regional Directorate of Forestry. *Turkish Journal of Forestry*, 25(1), 129-135.

<https://doi.org/10.18182/tjf.1382406>

Erturk, N., & Aricak, B. (2024). Potential change of chestnut (*Castanea sativa* Mill.) distribution areas in Kastamonu due to global climate change. *World Journal of Advanced Research and Reviews*, 22(1), 1180-1189.

<https://doi.org/10.30574/wjarr.2024.22.1.1216>

Pereira-Obaya, D., Sanz-Ablanedo, E., Mejía-Correal, K. B., & Rodríguez-Pérez, J. R. (2024). Quantifying Asian chestnut gall wasp (*Dryocosmus kuriphilus* Yasumatsu) impact on fruit yield and on tree growth using terrestrial LiDAR. *Scientia Horticulturae*, 332, 113250.

<https://doi.org/10.1016/j.scienta.2024.113250>

Hu, Z., Zhu, L., Liu, S. et al. Xylem adjustment and growth response of early- and late-successional tree species to rapid warming. *Eur J Forest Res* 143, 785–801 (2024).

<https://doi.org/10.1007/s10342-023-01655-9>

European Food Safety Authority (EFSA), & Graziosi, I. (2024). Pest survey card on *Dryocosmus kuriphilus*. *EFSA Supporting Publications*, 21(1), 8486E.

<https://efsa.europa.eu/plants/planthealth/monitoring/surveillance/dryocosmus-kuriphilus>

Allali, T., Colabianchi, M., Moretti, M., & Brunori, G. (2024). Towards a new framework to assess agri-food value chains' sustainability—The case of chestnut value chain. *Heliyon*, 10 (7).

<https://doi.org/10.1016/j.heliyon.2024.e27836>

Bily, D., Gyatso, T., Wolanski, M., Conrad, A., Goolsby, C., Chamberlin, L. A., & DeWitt, K. M. (2024). First record of *Diplodia gallae* causing branch cankers on declining scarlet oak (*Quercus coccinea*) in Virginia. *Plant Disease*, pdis-12.

<https://doi.org/10.1094/PDIS-12-23-2781-PDN>

Castro-Camba, R., Neves, M., Correia, S., Canhoto, J., Vielba, J., & Sánchez, C. (2023). Ethylene Action-Inhibition Improves Adventitious Root Induction in Adult Chestnut Tissues. *Plants*, 13(5), 738.

<https://doi.org/10.3390/plants13050738>

Chahal, K. S., Wachendorf, E. J., Miles, L. A., Stallmann, A., Lizotte, E. L., Mandujano, M., . . . Sakalidis, M. L. (2024). First report of *Bretziella fagacearum* infecting chestnut in Michigan. *Plant Disease*, *pdis-10*.

<https://doi.org/10.1094/PDIS-10-23-2267-PDN>

Çobanoğlu, H., Cantürk, U., Koç, İ., Kulaç, Ş., & Sevik, H. (2023). Climate Change Effect on Potential Distribution of Anatolian Chestnut (*Castanea sativa* Mill.) in the Upcoming Century in Türkiye. *Forestist*, *73*(3), 247-256.

<https://doi.org/10.5152/forestist.2023.22065>

D'Antonio, P., Toscano, F., Moretti, N., De Iorio, N., & Fiorentino, C. (2024). Analysis of Chainsaw Emissions during Chestnut Wood Operations and Their Health Implications. *Applied Sciences*, *14*(6), 2496.

<https://doi.org/10.3390/app14062496>

Fan, S., Georgi, L. L., Hebard, F. V., Zhebentyayeva, T., Yu, J., Sisco, P. H., . . . Nelson, C. D. (2024). Mapping QTLs for blight resistance and morpho-phenological traits in inter-species hybrid families of chestnut (*Castanea* spp.). *Frontiers in Plant Science*, *15*, 1365951.

<https://doi.org/10.3389/fpls.2024.1365951>

Gaudet, M., Pollegioni, P., Ciolfi, M., Mattioni, C., Cherubini, M., & Beritognolo, I. (2024). Identification of a Unique Genomic Region in Sweet Chestnut (*Castanea sativa* Mill.) That Controls Resistance to Asian Chestnut Gall Wasp *Dryocosmus kuriphilus* Yasumatsu. *Plants*, *13*(10), 1355.

<https://doi.org/10.3390/plants13101355>

Georgieva, M., Georgiev, G., Mirchev, P., Filipova, E., Matova, M., Belilov, S., . . . Hristova, M. (2023). Monitoring of the health status of *Castanea sativa* in the Belasitsa mountain, southwest Bulgaria. *Silva Balcanica*, *24*(3), 35-42.

<https://doi.org/10.3897/silvabalcanica.24.e116036>

Marzocchi, G., Maresi, G., Luchi, N., Pecori, F., Gionni, A., Longa, C. M. O., . . . Ferretti, F. (2024). 85 years counteracting an invasion: chestnut ecosystems and landscapes survival against ink disease. *Biological Invasions*, 1-14.

<https://doi.org/10.1007/s10530-024-03292-8>

Metreveli, V., Kreft, H., Akobia, I., Janiashvili, Z., Nonashvili, Z., Dzadzamia, L., . . . Gavashelishvili, A. (2023). Potential Distribution and Suitable Habitat for Chestnut (*Castanea sativa*). *Forests*, *14*(10), 2076.

<https://doi.org/10.3390/f14102076>

Nie, X., Yan, B., Liu, S., Chu, S., Fang, K., Liu, Y., . . . Xing, Y. (2024). Molecular genetic analysis of natural introgression to enhance chestnut blight resistance of *Castanea henryi* var. *omeiensis*. *Industrial Crops and Products*, *215*, 118660.

<https://doi.org/10.1016/j.indcrop.2024.118660>

Paz-Bermúdez, G., Fernández-Salegui, A. B., Hespanhol, H., de Silanes, M. E. L., Vieira, C., & Calviño-Cancela, M. (2023). Effects of the Abandonment of Traditional Cultural Practices on Epiphytic Bryolichenic Communities in Chestnut Orchards in NW Spain. *Forests*, *15*(1), 160.

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Răduțoiu, D.; Cosmulescu, S. New Data on Distribution of Sweet Chestnut (*Castanea sativa* Mill.) in Oltenia Region, România. Preprints 2024, 2024052053.

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Romon-Ochoa, P., Samal, P., Gorton, C., Lewis, A., Chitty, R., Eacock, A., . . . Biddle, M. (2023). *Cryphonectria parasitica* Detections in England, Jersey, and Guernsey during 2020–2023 Reveal Newly Affected Areas and Infections by the CHV1 Mycovirus. *Journal of Fungi*, 9(10), 1036.

<https://doi.org/10.3390/jof9101036>

Romon-Ochoa, P., Samal, P., Pace, T., Newman, T., Oram, M., Baxter, N., . . . Inward, D. (2024). Forecasting of Airborne Conidia Quantities and Potential Insect Associations of *Cryphonectria parasitica*, the Causal Agent of Chestnut Blight, in England. *Journal of Fungi*, 10(3), 181.

<https://doi.org/10.3390/jof10030181>

Tsutsui, K., Masuya, H., Hieno, A., Kageyama, K., & Okane, I. (2024). Japanese white oak seedlings killed by *Phytophthora castaneae*: a potential source of chestnut trunk rot. *Journal of General Plant Pathology*, 90(2), 95-107.

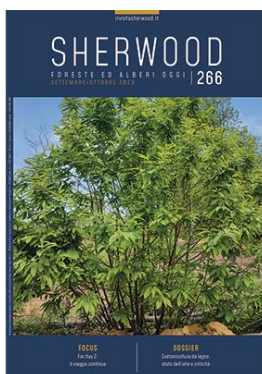
<https://doi.org/10.1007/s10327-023-01165-x>

Villar-García, J. R., Moya-Ignacio, M., Vidal-López, P., & Rodríguez-Robles, D. (2024). Frictional Behavior of Chestnut (*Castanea sativa* Mill.) Sawn Timber for Carpentry and Mechanical Joints in Service Class 2. *Sustainability*, 16(10), 3886.

<https://doi.org/10.3390/su16103886>

Nurul Islam Faridi, George L. Hodnett, Tetyana Zhebentyayeva, Laura L. Georgi, Paul H. Sisco, Frederick V. Hebard, C. Dana Nelson (2024). Cyto molecular characterization of rDNA and chromatin composition in the NOR associated satellite in Chestnut (*Castanea* spp.). *Springer Nature, Scientific Reports* (2024) 14:980.

<https://doi.org/10.1038/s41598-023-45879-6>

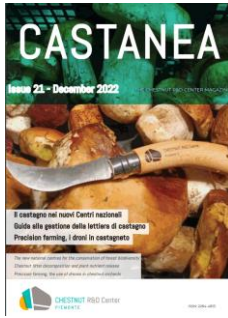


DOSSIER - Castanicoltura da legno: stato dell'arte e criticità (Chestnut cultivation for timber production: state of the art and critical points).

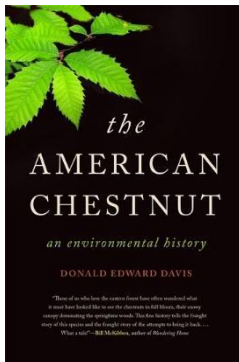
Sherwood nr. 266

An Italian journal of forestry (in Italian) presenting a special issue on chestnut silviculture & techniques for timber production.

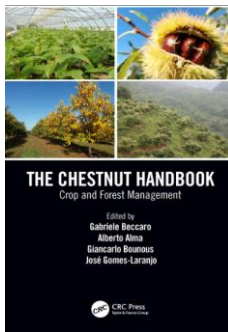
<https://www.rivistasherwood.it/t/pubblicazioni/dossier-castagno.html>



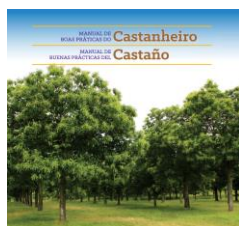
THE CHESTNUT R&D CENTER MAGAZINE
 News about R&D concerning *Castanea sativa*
 (in Italian and English)
<https://centrocastanicoltura.org/magazine/>



The American Chestnut: An Environmental History. 2021, University of Georgia Press. Athens, Georgia, USA. ISBN: 9-780-8203-6045-4.
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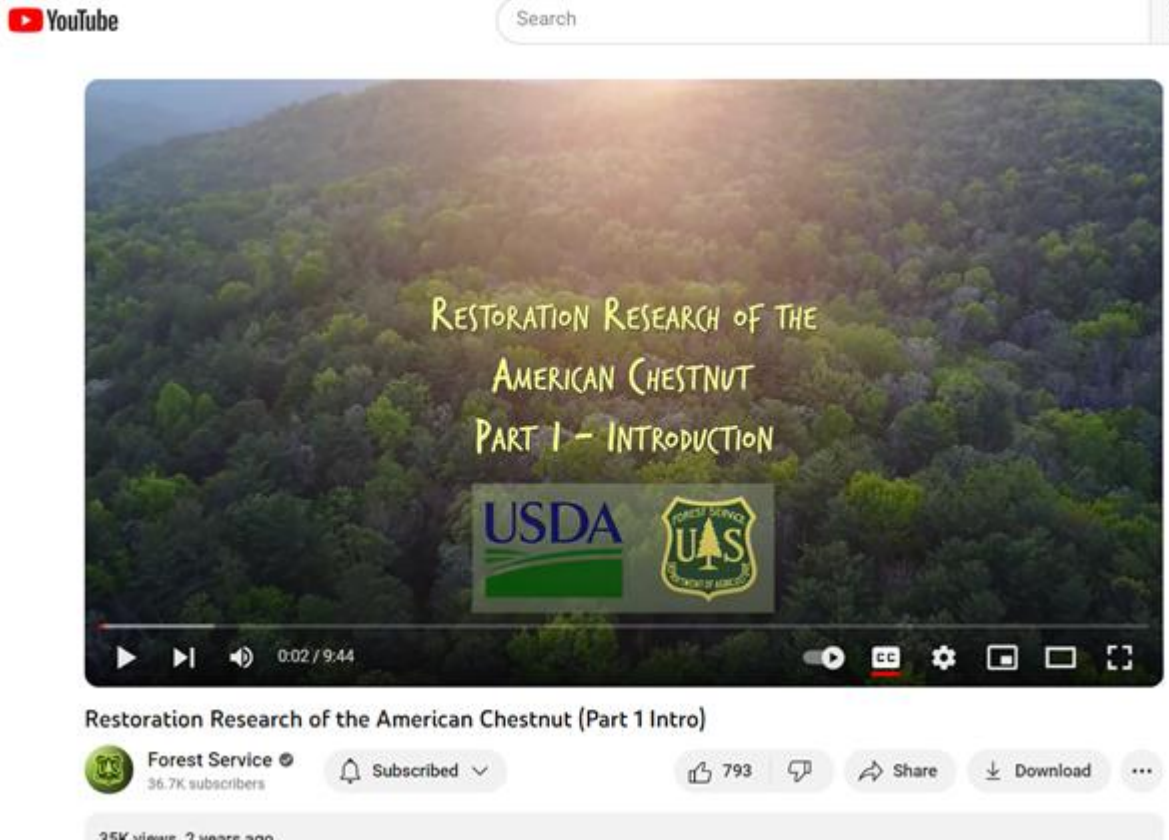
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Multimedia

- A traditional song dedicated to the chestnut leaf with a new twist. “The chestnut leaf of the Botanica Album by Abe Rábade”: <http://www.youtube.com/watch?v=Adwf90oNiGQ>
- A video on the Introduction of the American chestnut details the history of the species in North America, its ecological and cultural significance, and its eventual demise as a functioning ecological species: <https://youtu.be/6lQyqrlgg3k?si=yOoiFyUBOLBp-X5W>



Newsletter contributions

Do you have news for us? Newsletter contributions are welcome (i.e. upcoming Seminars, Scholarships, Workshops, Conferences, Blogs, Websites...).

If you would like to contribute to the newsletter, please contact Stacy Clark (stacy.l.clark@usda.gov), Veronica Loewe (vloewe@infor.cl), Maria Patricio (sampat@ipb.pt) or Enrico Marcolin (enrico.marcolin@unipd.it).