



Domingo Molina

Titular d'Universitat

Personal Information



Position: Titular d'Universitat

Area of expertise: Silvicultura

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University degrees

- Doctor en Enginyeria Forestal. MEC. 1995
- Doctor en Ciències dels Recursos Naturals, Universitat de California, Berkeley, 1994
- Master en Ciències dels Recursos Naturals, Universitat de California, Berkeley, 1991
- Enginyer de Forest, Universitat Politècnica de Madrid, 1989

Research

- Focs forestals
- Gestió forestal sostenible
- Emergències en el medi natural



· Millora de l'educació universitària en enginyeria Forestal i emergències

Teaching

· FOREST FIRES IN NE SPAIN	Master Universitari Erasmus Mundus MEDFOF
· PRESCRIBED FIRE LABORATORY	Màster Universitari Erasmus Mundus MEDFOF
· ANÀLISI I SIMULACIÓ DE FOCS FORESTALS	Màster Universitari en Incendis Forestals.(Integral
· CREMES PRESCRITES	Màster Universitari en Incendis Forestals.(Integral
· ESTRATÈGIES I TÀCTIQUES D'EXTINCIÓ	Màster Universitari en Incendis Forestals.(Integral
· INVESTIGACIÓ DE CAUSES	Màster Universitari en Incendis Forestals.(Integral
· GESTIÓ DE LA INFORMACIÓ EN EMERGÈNCIES	Màster Universitari en Incendis Forestals.(Integral
· STUDY IN METHODS IN HAZARD ANALYSIS AND RISK ASSESSMENT	Màster Universitari Erasmus Mundus Spatia Modelling in European Forestry
· STUDY IN DISTURBANCE ECOLOGY AND FOREST HEALTH	Màster Universitari Erasmus Mundus Spatia Modelling in European Forestry

Recent Publications

Blanco Fernández, J., Fajó-Pascual M., y Molina-Terrén, DM. 2017. Factores condicionantes de la calidad del aprendizaje en Master FUEGO. In Sein-Echaluce Lacleta, M.L., Fidalgo Blanco, A. & García-Peñalvo, F.J. (2017). La innovación docente como misión del profesorado. Actas del IV Congreso Internacional sobre Aprendizaje, Innovación y Competitividad. CINAIC 2017 (4-6 de Octubre de 2017, Zaragoza, España). p. 362-367. Zaragoza. Servicio de Publicaciones Universidad de Zaragoza. DOI 10.26754/CINAIC.2017.000001 - <https://docs.google.com/viewer?url=https%3A%2F%2Fzaguan.unizar.es%2Frecord%2F62912%2Ffiles%2F075.pdf> [<https://docs.google.com/viewer?url=https%3A%2F%2Fzaguan.unizar.es%2Frecord%2F62912%2Ffiles%2F075.pdf>]

Arteaga C., Nebot E., and Molina-Terrén DM. 2017 TOWARDS AN INTEGRATIVE FIRE MANAGEMENT IN Quercus suber L. FORESTS IN NE SPAIN. In INTERNATIONAL CONGRESS ON CORK OAK TREES AND WOODLANDS Conservation, Management, Products and Challenges for the Future, Dettori S., Fligheddu M.R., Cillara M. Editors Printed by Università degli Studi di Sassari Centro Stampa p. 60 ISBN 978-88-907678-0-7 DOI <https://doi.org/10.14275/978-88-907678-0-7> [<https://doi.org/10.14275/978-88-907678-0-7>] http://www.corkoaksardiniacongress.it/abstract_book/Book_of_abstracts_CorkOakCongr_SS2017.pdf [http://www.corkoaksardiniacongress.it/abstract_book/Book_of_abstracts_CorkOakCongr_SS2017.pdf]

Cardil A, Delogu G, Molina-Terrén DM. 2017. Fatalities in Wildland Fires from 1945 to 2015 in Sardinia (Italy). CERNE v. 23 n. 2 p. 175-184. DOI: 10.1590/01047760201723022266 <http://cerne.ufpa.br/ojs/index.php/CERNE/article/view/1608/988>



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- Molina-Terrén DM, Cardil A, Kobziar LN. 2016. Practitioner Perceptions of Wildland Fire Management across South Europe and Latin America. *Forests* 2016, 7(9), 184; doi:10.3390/f7090184 - <http://www.mdpi.com/1999-4907/7/9/184>.
- Cardil A, Merenciano D, Molina-Terrén DM. 2015. Wildland Fire Typologies and Extreme Temperatures in Spain. *Iforest* doi: 10.3832/ifor1939-009 <http://www.sisef.it/iforest/pdf/?id=ifor1939-009> [<http://www.sisef.it/iforest/pdf/?id=ifor1939-009>]
- Molina-Terrén DM, Fry DL, Grillo FF, Cardil A, Stephens SL. 2016. Fire history and management of *Pinus canariensis* forests on the western Canary Islands Archipelago, Spain, *Forest Ecology and Management*, Volume 382, 15 December 2016, Pages 184-192, ISSN 0378-1127, <http://dx.doi.org/10.1016/j.foreco.2016.10.007>.
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- Temiño-Villota, S., Rodríguez-Trejo, D.A., Molina-Terrén, D.M., Ryan, K. (2016). Modelling initial mortality of *Abies religiosa* in a crown fire in Mexico. *Forest Systems*, Volume 25, Issue 1, e047, 12 pages. <http://dx.doi.org/10.5424/fs/2015243-06887> [<http://dx.doi.org/10.5424/fs/2015243-06887>]
- Casals, P., Valor, T., Besalú, A., Molina-Terrén, DM. 2015. Understory fuel load and structure eight to nine years after prescribed burning in Mediterranean pine forests. *Forest Ecol. Manage.* (2015), <http://dx.doi.org/10.1016/j.foreco.2015.11.050> [<http://dx.doi.org/10.1016/j.foreco.2015.11.050>]
- Molina-Terrén, DM, Cardil A. 2015. Temperature determining larger wildland fires in NE Spain. *Theoretical and applied climatology*. Published online. DOI: 10.1007/s00704-015-1511-1. <http://link.springer.com/article/10.1007%2Fs00704-015-1511-1#page-1> [<http://link.springer.com/article/10.1007%2Fs00704-015-1511-1#page-1>]
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- Costafreda-Aumedes S, Cardil A, Molina DM, Daniel SN, Mavsar Rm Vega-García C. 2015. Analysis of selected factors influencing fire suppression resources use in Spain using Artificial Neural Networks. *Iforest*. Published online. doi: 10.3832/ifor1329-008
- Alcasena FJ, Salis M, Ager AA, Arca B, Molina D, Spano D. 2014. Assessing landscape scale wildfire exposure for highly valued resources in a Mediterranean area. *Environmental Management* p. DOI 10.1007/s00267-015-0448-6
- Cardil A, Eastaugh CS, Molina DM. 2014. Extreme temperature conditions and wildland fires in Spain. *Theoretical and applied climatology*. 122: 219-228. <http://link.springer.com/article/10.1007%2Fs00704-014-1295-8> [<http://link.springer.com/article/10.1007%2Fs00704-014-1295-8>]



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- Cardil A, Salis M, Spano D, Delogu G, Molina Terrén D. 2014. Large wildland fires and extreme temperatures in Sardinia (Italy). *iForest* 7: 162–169. doi: 10.3832/ifor1090-007 <http://www.sisef.it/iforest/contents/?id=ifor1090-007> [<http://www.sisef.it/iforest/contents/?id=ifor1090-007>]
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- Pons-Andres E., Molina D.M. 2007. Método para la prevención de riesgos laborales de las quemadas controladas y los contra incendios. Fundación MAPFRE, Madrid. MAPFRE SEGURIDAD 105:: 33–44
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Molina, D.M., Goldammer, J.G., Loureiro, C., Castellnou, M., Vega, J.A., Delogu, G., Rigolot, E., Defossé, G., Kunst, C., de Ronde, C., Abdelmoula, K., Sesbou, A. 2007. A network of prescribed fire demonstration sites for Europe, Africa and Argentina. IV International Wildland Fire Conference, Seville, Spain

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Moyano, A., Miralles, M., Molina, D.M. 2007. Plan de gestión de fuegos de la zona periurbana de Tarragona, Cataluña, España. IV International Wildland Fire Conference, Seville, Spain

Lázaro, A., Herrero, G., Montiel, C., Molina, D.M. 2007. Organización de la defensa contra incendios forestales en el Estado de las Autonomías: el caso español. IV International Wildland Fire Conference, Seville, Spain

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Molina-Terrén, D.M., Martínez-López, E.R., García-Marco, D. 2006. Farsite Simulations For Cost-Efficient Wildland Fire Planning: Case Studies In Spain, 13p. V International Conference on Forest Fire Research, D. X. Viegas (Ed.), 2006

Pons-Andres, E., Molina-Terrén, D.M. 2006. Job Hazard Abatement Actions In Both Prescribed Fire And Backfire Operations In Gran Canaria (Insular SW Spain), 15p. V International Conference on Forest Fire



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Molina, D.M., Grillo-Delgado, F., García-Marco, D. 2006. Uso del fuego prescrito para la creación de rodales cortafuegos: estudio del caso "Las Mesas de Ana López", Vega de San Mateo, Gran Canaria, España. Invest Agrar: Sist Recur For (2006) 15(3), 271-276, Madrid

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Molina, D. 1997. Origins of Arson in Northwestern Spain. <http://www.fs.fed.us/fire/fmt/index.html> Founded in 1936, Fire Management Today has served the wildland fire community for more than 60 years as a clearinghouse for new techniques, technologies, and ideas. It has provided a forum open to anyone with anything useful to share with other wildland fire professional. In the process, the journal has not only facilitated information exchange, but also helped build a common history and culture in the wildland fire community.

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Pons, E., Molina, D.M. 2005. Methodological proposal hazard abatement actions in prescribed forest fires operations. In: "II International conference on prevention strategies of fires in Southern Europe" Barcelona (Spain) 9-11 Mayo 2005

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