THE GLOBAL FIRE MONITORING CENTER (GFMC)
SECRETARIAT OF THE GLOBAL WILDLAND FIRE NETWORK
UNISDR WILDLAND FIRE ADVISORY GROUP
INTERNATIONAL WILDFIRE PREPAREDNESS MECHANISM
INTERNATIONAL FIRE AVIATION WORKING GROUP

United Nations
International Strategy for Disaster Reduction

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Fire Ecology, Fire Management, Atmospheric Sciences: Monographs and Textbooks

Downloadable Materials: http://gfmc.online/course/uni/BSc-fire-ecology.html

1. From the Fire Ecology Research Group (in Chronological Sequence)

Freiburger Waldschutz-Abhandlungen Bd. 1 (Heft 1 u. 2). 1978. VW Symposion Feuerökologie. Forstzoologisches Institut der Universität Freiburg, 159+150 p.

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Goldammer, J.G. (ed.) 1990. Fire in the tropical biota. Ecosystem processes and global challenges. Ecological Studies 84. Springer Verlag, Berlin-Heidelberg-New York, 497 p.

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Crutzen, P.J., and J.G. Goldammer (eds.) 1993. Fire in the environment: The ecological, atmospheric, and climatic importance of vegetation fires. Dahlem Workshop Reports. Environmental Sciences Research Report 13. John Wiley & Sons, Chichester, 400 p.

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Schwela, D.H., J.G. Goldammer, L.H. Morawska, and O. Simpson. 1999. Health Guidelines for Vegetation Fire Events. Guideline document. Published on behalf of UNEP, WHO, and WMO. Institute of Environmental Epidemiology, Ministry of the Environment, Singapore. Double Six Press, Singapore, 291 p.

Goh, K.T., D.H. Schwela, J.G. Goldammer, and O. Simpson. 1999. Health Guidelines for Vegetation Fire Events. Background Papers. Published on behalf of UNEP, WHO, and WMO. Institute of Environmental Epidemiology, Ministry of the Environment, Singapore. Namic Printers, Singapore, 498 p.

Ahern, F., J.G. Goldammer, and C. Justice (eds.). 2001. Global and regional vegetation fire monitoring from space: Planning a coordinated international effort. SPB Academic Publishing bv, The Hague, The Netherlands, 302 p.

Busch, B. J. G. Goldammer und A. Denk (Wiss. Red.). 2001. Feuer. Schriftenreihe Forum, Bd. 10, Elemente des Naturhaushaltes II. Kunst- und Ausstellungshalle der Bundesrepublik Deutschland (Hrsg.). Wienand, Köln, 608 S.

Goldammer, J.G., and C. de Ronde (eds.). 2004. Wildland Fire Management Handbook for Sub-Sahara Africa. Global Fire Management Center and Oneworldbooks, Freiburg – Cape Town (ISBN 1- 919833-65-X).

Goldammer, J.G. (ed.) 2005. Fire management at an ecoregional level. International experience and new approaches in forest sector reforms. World Bank and Program on Forests (PROFOR). Special issue of UNECE/FAO Int. Forest Fire News (No. 32), 131 p. <ISSN 1020-8518>

Sofronov, M.A., J.G. Goldammer, A.V. Volokitina, and T.M. Sofronova. 2005. Wildland Fire Danger. V.N.Sukachev Institute of Forest, Krasnoyarsk, Siberian Branch, Russian Academy of Sciences, 330 p.(in Russian) < ISBN 5-903055-01-X>

Goldammer, J.G., and L.G. Kondrashov (eds.). 2006. Northeast Asia: Contribution to the Global Forest Fire Cycle. Freiburg: Global Fire Monitoring Center.- Khabarovsk: Pacific Forest Forum, 456 p. <in Russian> (ISBN-10: 3-00-019806-7; ISBN-13: 978-3-00-019806-9)

Голдаммер, Й.Г., и Кондрашов, Л.Г. (ред.). 2006. Северо-Восточная Азия: вклад в глобальный лесопожарный цикл. Фрайбург: Центр глобального мониторинга природных пожаров. – Хабаровск: Тихоокеанский лесной форум, 456 с. < на русском языке> (ISBN-10: 3-00-019806-7; ISBN-13: 978-3-00-019806-9)

Goldammer, J.G. (ed.) 2013. Prescribed Burning in Russia and Neighbouring Temperate-Boreal Eurasia. A publication of the Global Fire Monitoring Center (GFMC). Kessel Publishing House, 326 p. (ISBN 978-3-941300-71-2). http://www.forestrybooks.com/

Goldammer, J.G. (ed.). 2013. Vegetation Fires and Global Change. Challenges for Concerted International Action. A White Paper directed to the United Nations and International Organizations. Kessel Publishing House, 398 p. (ISBN 978-3-941300-78-1). http://www.forestrybooks.com/

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2. Key Classical Fire Monographs and Textbooks (available in the Herderbau Library)

Beniston, M., and M.M. Verstraete (eds.). 2001. Remote sensing and climate modeling: Synergies and limitations. Advances in Global Change Research, Kluwer Academic Publishers, Dordrecht/Boston.

Bond, W.J., and B.W. van Wilgen. 1996. Fire and plants. Population and Community Biology Series 14. Chapman and Hall, London, 263 pp. (ISBN 0-412-47540-5).

Booysen, P. de V., and N.M. Tainton (eds.) 1984. Ecological effects of fire in south African Ecosystems. Ecol. Studies 48, Springer, Berlin, 426 p.

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Chandler, C. et al. 1983: Fire in forestry. Vol. I and II. John Wiley & Sons, New York, 450 + 298 p.

Gill, A.M., R.H. Groves and I.R. Noble (eds.) 1981. Fire and the Australian biota. Austr. Acad. Sci., Canberra,582p.

Heikkilä, T.V., R. Grönqvist, and M. Jurvélius 2007. Wildland fire management. Handbook for trainers. Ministry for Foreign Affairs of Finland, Development Policy Information Unit. Helsinki, Finland, 248 p.

Innes, J. et al. 2000. Biomass Burning and its Interrelationships with the Climate System. Kluwer.

Johnson, E.A., and K. Miyanishi (eds.). 2001. Forest fires. Behaviour and ecological effects. Academic Press, San Diego, 594 p. (ISBN 0-12-386660-X).

Kasischke, E.S., and B.J. Stocks (eds.). 2000. Fire, climate change, and carbon cycling in the boreal forest. Ecological Studies 138, Springer-Verlag, Berlin-Heidelberg-New York, 461 p.

Kozlowski, T.T. and C.E. Ahlgren (eds.) 1974. Fire and ecosystems. Academic Press, NY, 542 p.

Levine, J.S. (ed.) 1991: Global biomass burning. MIT Press, Cambridge, 569 p.

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Pyne, S.J. 1982. Fire in America. Princeton Univ. Press. 654 p.

Pyne, S.J. 1991. Burning bush. A fire history of Australia. Henry Holt and Company, New York, 520 p.

Pyne, S.J. 1995. World fire. Henry Holt, New York, 379 p.

Pyne, S.J. 1997. Vestal Fire. An environmental history, told through fire, of Europe and Europe's encounter with the World. University of Washington Press, 680 p.

Pyne, S.J. 2018. Here and there. A fire survey. The University of Arizona Press, 191 p.

Pyne, S.J., P.J. Andrews, and R.D. Laven. 1996. Introduction to Wildland Fire. Second edition, John Wiley & Sons, New York-Chichester, 769 pp. (ISBN 0-471-54913-4).

Trabaud, L. (ed.) 1987. The role of fire in ecological systems. SPB Academic Publishers, 157 p.

Wein, R.W. and D.A. MacLean (eds.) 1983. The role of fire in northern circumpolar ecosystems. John Wiley & Sons, New York, 322 p.

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Wright, H.A. and A.W. Bailey 1982. Fire ecology. United States and Southern Canada. John Wiley & Sons, New York, 501 p.

Examples of Other Recent GFMC Publications of Interest

Hohl, A., A. Niccolai, C. Oliver, D. Melnychuk, S. Zibtsev, J.G. Goldammer, M. Petrenko, V. Gulidov. 2012. The human health effects of radioactive smoke from a catastrophic wildfire in the Chernobyl Exclusion Zone: A worst case scenario. J. Earth Bioresources and Life Quality 1, 1-34, ISSN 2221-1713.

Bowman, D.M.J.S., J.A. O'Brien, and J.G. Goldammer. 2013. Pyrogeography and the global quest for sustainable fire management. Annual Review of Environment and Resources 38, 57-80.

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Koutsias, N., Allgöwer, B., Kalabokidis, K., Mallinis, G., Balatsos, P., Goldammer, J.G. 2015. Fire occurrence zoning from local to global scale in the European Mediterranean Basin: Implications for multi-scale fire management and policy. iForest (early view). – doi: 10.3832/ifor1513-008 [online 2015-11-12]. ISSN: 1971-7458.

Mallinis, G. Mitsopoulos, I., Beltran, E. and Goldammer, J.G. 2016. Assessing wildfire risk in cultural heritage properties using satellite imagery and spatially explicit fire simulations: The Case of Holy Mount Athos, Greece. Forests 7 (46), 1-19. ISSN 1999-4907. doi:10.3390/f7020046 http://www.mdpi.com/1999-4907/7/2/46/pdf

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Goldammer, J.G. (2016). Fire management in tropical forests. In: The tropical forestry handbook (L. Pancel and M. Köhl, eds.), Second Edition, Vol. 3, 2659-2710. Springer-Verlag, Berlin-Heidelberg. ISBN 9783-642-54600-6; ISBN 978-3-642-54601-3 (eBook), Library of Congress Control Number: 2015957807.

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Szczygieł, R., Goldammer, J.G., Kwiatkowski, M., Brunn, E., Szczęśniak, E. and B. Kołakowski. 2016. Experimental Application of Prescribed Fire for the Management of *Calluna vulgaris* Heathlands on Abandoned Military Terrain in Poland. Naturschutz und Biologische Vielfalt 152, 123-140. DOI 10.19213/973152; ISBN 978-3-7843-4052-4.

Goldammer, J.G. 2017. Eastern fires, Western smoke: Why fires in temperate-boreal Eurasia have transboundary impacts. Wildfire Magazine 26 (1), 18-25. https://gfmc.online/globalnetworks/GFMC-Goldammer-Eastern-Fires-Western-Smoke-Wildfire-Vol-26-2017.pdf

Goldammer, J.G., Mangeon, S., Keywood, M., Kaiser, J.W., de Groot, W.J., Gunawan, D., Gan, C., Field, R., Sofiev, M., Baklanov, A. 2018. Vegetation Fire and Smoke Pollution Warning and Advisory System (VFSP-WAS): Concept Note and Expert Recommendations. World Meteorological Organization (WMO), GAW Report No. 235, 44 p. Download at GFMC: WMO GAW Report No. 235 https://gfmc.online/wp-content/uploads/WMO-GAW-235-2018.pdf

Goldammer, J.G. 2019. The fire underground. Coal clinker, baked mudstone, and clues to evolutionary diversity. Natural History 127 (8), 6-7 https://gfmc.online/wp-content/uploads/Goldammer-Fire-Underground-Natural-History-9-2019.pdf

Special Issue of Fire Management Today: Global Landscape Fire Management Challenges – A Decade of Progress (U.S. Forest Service: 2019) (about GFMC and the Global Wildland IFre Network) https://gfmc.online/wp-content/uploads/USFS-Fire-Management-Today-77-1-May-2019.pdf

Goldammer, J.G. 2019. Der Wald der Zukunft muss sich Klimaextremen stellen können. Interview mit Professor Johann Georg Goldammer. Deutscher Forstverein, Pro Wald Februar 2019, 8-9. https://gfmc.online/wp-content/uploads/GFMC-ProWald-Interview-February-2019.pdf

Goldammer, J.G. 2019. Baden-Württemberg – Waldbrandland? Gemeindetag Baden-Württemberg, Die Gemeinde (BWGZ) 2018 (8), 269-272. https://gfmc.online/wp-content/uploads/GFMC-BWGZ-08-2019-Waldbrandland.pdf

Goldammer, J.G. 2019. Auswirkungen des Klimawandels und gesellschaftlicher Veränderungen auf Landschaftsbrände in Deutschland: Herausforderungen und Lösungsansätze. Notfallvorsorge 50 (3), 4-17. https://gfmc.online/wp-content/uploads/GFMC-Landschaftsbrand-Notfallvorsorge-3-2019.pdf

Global Fire Moinitoring Center (GFMC) 2019. Report of the Independent Committee tasked to Analyze the Underlying Causes and Explore the Perspectives for the Future Management of Landscape Fires in Greece. Report to the Government of Greece, based on the Ministerial Decision Y60 (Gov. Gaz. 3937/B/2018), co-authored by J.G. Goldammer. G.A. Xanthopoulos, G. Eftychidis, G. Mallinis, I. Mitsopoulos and A. Dimitrakopoulos.G. Goldammer. Online: https://gfmc.online/wp-content/uploads/FLFM-Greece-Committee-Report-07-February-2019.pdf

Xanthopoulos, G., A. Dimitrakopoulos, G. Eftychidis, G. Mallinis, I. Mitsopoulos and J.G. Goldammer. 2019. A year after Greece's wildfire disaster. J. Crisis Response 14 (4), 26-30. https://gfmc.online/wp-content/uploads/Crisis-Response-2019-Vol-14-4-p26-30-Greece-Mati.pdf

Web Resources

Global Fire Monitoring Center (GFMC)
http://www.gfmc.online/

Arbeitsgruppe Feuerökologie
http://gfmc.online/feueroekologie/hauptd.html

2019 BSc Course on "Fire ecology of tropical, subtropical and temperate-boreal forest ecosystems" (within „Ökologie der Wälder der Erde II) with presentations and the digital textbook "Feuer in Waldökosystemen der Tropen ud Subtropen":
https://gfmc.online/course/uni/BSc-fire-ecology.html