



Curriculum Vitae

Abridged version

August 2021

PERSONAL DETAILS

Name: Dr. Jean-Marc Dufour-Dror

Birth date: November 05th 1970

Ecology Consultant Office: "Dr. Jean-Marc Dufour-Dror – Research & Consultancy in Applied Ecology."

Legal status: Authorized Organization; founded in February 1st 2004 and registered at the Israel Taxes Authority; License # 31769779

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Citizenship: France, Israel

Languages: English, French & Hebrew

Highest Degree: Ph.D

Years of Experience: 20 years

PROFESSIONAL AREAS OF EXPERTISE & SKILLS

Consultant, Researcher & Lecturer in Applied Ecology - since 2000

Environmental Impact Assessments (EIA), mitigation measures for wildlife and natural habitats preservation.

Biodiversity, wildlife & natural habitat monitoring.

Environmental management policy program design and implementation at national scale.

Ecology and control management of alien invasive plants in natural and semi-natural areas in temperate, Mediterranean, semiarid, arid and tropical regions.

Policy & strategy development, prioritization programs and implementation measures for the prevention of non-native species establishment and proliferation.

Design and implementation of invasive plant control programs.

Road and network Ecology: Design of fauna overpasses and underpasses along transportation networks. Control of invasive plants along roadsides and water supply networks.

Firebreak design and management in Mediterranean forest ecosystems

Professional skills

- High consciousness & professional competence
- Long experience in project planning and management
- Strong collaboration and teamwork skills
- High ability in finding practical solutions at the field level
- Attention to details and to community needs
- Ability to work in harsh field conditions
- Straightforwardness

PROFESSIONAL WORK EXPERIENCE

Governmental Offices

ISRAEL MINISTRY of ENVIRONMENTAL PROTECTION

Ecology Senior Consultant Alien Invasive Plant Expert (2019 - present)



Provision of national program planning in ecology and biodiversity policy issues at the Water & River dpt.

Elaboration of applied ecology solutions, mitigation measures and guidelines for implementation.

Ecology Senior Consultant (2006-2012)

Provision of environmental management policy documents in applied ecology issues at the Open Spaces department: E.g. *National policy document for alien invasive species control (2008)*, *National policy document for the planning of firebreaks (2011)*, *National policy document for the prevention of alien invasive plant species introduction (2013)*.

Review of Environmental Impact Assessments.

Analysis of Ecology Carrying Capacity documents.

ISRAEL NATURE & PARKS AUTHORITY

Alien Invasive Species Senior Consultant (2005 - present)



Planning of national policy programs in alien invasive species issues. e.g. *National Policy Document for the Management of Alien Invasive Plants in Wetlands & Riparian Habitats*.

Project manager of alien invasive plant control programs in Nature Reserves and National Parks.

National surveys of alien invasive plants.

Experimental research on alien invasive plant control technique development; Elaboration of AIP control guidelines in protected and sensitives natural habitats.

Policy & strategy document for the management of AIPs in the Negev district.

ISRAEL MINISTRY of AGRICULTURE & RURAL DEVELOPMENT
Forest Commissionaire Assistant (2013 – 2020)

Review of tree surveys.

Alien Invasive Plant Expert (2018 – present)

Elaboration of Pest Risk Analysis and Weed Risk Assessments for the Plant Protection & Inspection Services.



ISRAEL PLANNING ADMINISTRATION

Ecology Senior Consultant (2018 – present)

Monitoring of ecological issues in housing national programs

Expertise in Mountain gazelle protection management measures near built-up areas



CYPRUS MINISTRY of AGRICULTURE, RURAL DEVELOPMENT & ENVIRONMENT

Alien Invasive Species Senior Consultant at the department of forests (2011-2016)

Policy control document and technical guidelines for the control management of woody invasive trees in protected areas: EU-Life projects in Rizoelia National Park, Kavro Gkreko National Park and Koshi National Park.

Guidelines for the control of invasive species in the Amiantos Asbestos quarry restoration program.



International Institutions

EUROPEAN PLANT PROTECTION ORGANIZATION (EPPO)

Alien Invasive Plant Expert (Sept 2017)

Weed Risk Assessment for *Ambrosia confertiflora*.



Private or Public Companies

TAHAL Group – Tahal Consulting Engineers Ltd

Ecology Consultant (Sept 2018 – Feb 2019)

Review of environment impact assessment reports (EIA) and social impact assessment reports (SIA) for irrigated agriculture development projects in **ANGOLA** (five projects) and in **ZAMBIA** (one project).



MEKOROT - NATIONAL WATER COMPANY Ltd. Israel

Ecology Senior Consultant, Alien Invasive Plant Expert (Feb 2015 – Jan 2016)

Elaboration of a management policy program for the control of alien invasive plants along water networks in Israel. This nation-level programs included technical guidelines now implemented nation-wide in Israel.



NETIVEI ISRAEL

THE NATIONAL TRANSPORT INFRASTRUCTURE COMPANY Ltd. Israel

Ecology Consultant (Aug 2014 – Jan 2016)

Preparation of Environmental Impact Assessments for road projects. Analysis of impacts on ecosystem function and wildlife and elaboration of mitigation measures.



Preparation of a National Policy Document for the control management and prevention of alien invasive plants along road network in Israel.

Non-Governmental Organizations - NGOs

BIRDLIFE INTERNATIONAL

Alien Invasive Plant Expert (Sept 2017 – Aug 2018)

Expert peer review of the weed assessment document to be presented to the European Commission for the inclusion of *Acacia saligna* on the EU's 'List of Invasive Alien Species of Union Concern' under the EU's Regulations on Invasive Alien Species 1143/2014



THE SOCIETY for the PROTECTION of NATURE in ISRAEL

Ecology Senior Consultant, Alien Invasive Plant Expert (Jan 2015 – Jan 2016)

Senior Ecology Consultant for the design of the National Code of Conduct for Quarries on Alien Invasive Plants in Israel. The code includes a prioritization plan, control management directives and follow-up instructions for application at the state level.



INVASIVE SPECIES SPECIALIST GROUP (IUCN)

Alien Invasive Plant Expert (May 2014 – July 2014)

Contribution to the ISSG database for alien invasive species in Israel.



INTERNATIONAL UNION for the CONSERVATION of NATURE – IUCN

Alien Invasive Plant Expert (Sep 2018 – Oct 2018)

Review of technical note of the known measures of prevention, early detection, rapid eradication, and management for *Acacia saligna* and *Ambrosia confertiflora*, Contribution to the ISSG database for alien invasive species in Israel



International Development Agencies

MASHAV - ISRAEL'S AGENCY FOR INTERNATIONAL DEVELOPMENT COOPERATION

Alien Invasive Species Expert (Oct – Nov 2018)

Lecture on "*Invasive Plants in Africa's Pasture Lands*" given at the "Seminar on Environmental Considerations for an Innovative Sustainable Agricultural Development" held at the International Agricultural Training Center, Kibbutz Shefayim October 28th 2018.

Lecture on "*Alien invasive species in agriculture systems and livelihoods in developing countries: Impacts and solutions*" given in the frame of the "International Course on Agro-ecological Approaches for Sustainable Intensive Agriculture" held at the International Agricultural Training Center, Kibbutz Shefayim November 2nd 2018.



Higher Education Institutions

TEL-AVIV UNIVERSITY

Lecturer at the Geography Department (Feb 2000 – Jan 2004)



Introduction to Global Biogeography (B.A), Introduction to Mediterranean Biogeography (B.A.),
Introduction to Ecology (M.A.), Geography of Man-Vegetation Interactions in the Mediterranean
Basin (M.A.)

THE HEBREW UNIVERSITY of JERUSALEM

Guest Lecturer at the Geography Department (Nov 2008 – Jun 2012)
Ecology & Biodiversity (M.A.).



THE SEMINAR HAKIBUTSIM COLLEGE of EDUCATION

Lecturer at the Environmental Education Department (Nov 2008 – Aug 2012)
Introduction to Biogeography (M.Ed.)



SELECTED PUBLICATIONS

Books

Dufour-Dror J.M. (2012) **Alien invasive plants in Israel**. Israel Nature & Parks Authority, The Israel Ministry of Environmental Protection. Ahva Publishing, Jerusalem, English edition p.213.

Scientific Articles in Peer-reviewed Journals & Conference Abstracts

Brundu G., Pauchard A., Pyšek P., Pergl J., Bindewald A.M, Brunori A., Canavan S., Campagnaro T., Celesti-Grapow L., Dechoum M. de S., **Dufour-Dror J.M.**, Essl F., Flory S.L., Genovesi P., Guarino F., Guangzhe L., Hulme P.E., Jäger H., Kettle C.J., Krumm F., Langdon B., Lapin K., Lozano V., Le Roux J.J., Novoa A., Nuñez M.A., Porté A.J., Silva J.S., Schaffner U., Sitzia T., Tanner R., Tshidada N., Vítková M., Westergren M., Wilson J.R.U. & Richardson D.M. (2020) **Global guidelines for the sustainable use of non-native trees to prevent tree invasions and mitigate their negative impacts**. *NeoBiota* 61:65–116.

Dufour-Dror J.M. & Yaacoby T. (2019) **Control of *Acacia saligna* with aminopyralid direct application: New perspectives in the control management of one of the most widespread invasive wattle species**. In Pyšek P., Pergl J. & Moodley D., Books of abstracts, p.81, 15th International conference on ecology and management of alien plant invasions (EMAPI), Prague, 9-13 Sept. 2019.

Van Kleunen M., Pyšek P., Dawson W., Essl F., Kreft H., Pergl J., Weigelt P., Stein A., Dullinger S., König C., Lenzner B., Maurel N., Moser D., Seebens H., Kartesz J., Nishino M., Alek-Sanyan A., Ansong M., Antonova L.A., Barcelona L.A., Breckle S.W., Brundu G., Cabezas F.J., Cárdenas D., Cárdenas-Toro J., Castaño N., Chacón E., Chatelain C., Conn B., de Sá Dechoum M., **Dufour-Dror J.M.**, Ebel A.L., Figueiredo E., Fragman-Sapir O., Fuentes N., Groom Q.J., Henderson L., Inderjit, Jogan N., Krestov P., Kupriyanov A., Masciadri S., Meerman J., Morozova J., Nickrent D., Nowak A., Patzelt A., Pelsner P.B., Shu W.S., Thomas J., Uludag A., Velayos M., Verkhosina A., Villaseñor J.L., Weber E., Wieringa J.J., Yazlik A., Zeddari A., Zykova E. & Winter M. (2019) **The Global Naturalized Alien Flora (GloNAF) database**. *Ecology* 100(1):e02542. 10.1002/ecy.2542

Dufour-Dror J.M. & Shmida A. (2017) **Invasion of alien *Prosopis* species in Israel, the West Bank and western Jordan: Characteristics, distribution and control perspectives**. *BiolInvasions Records* 6(1):1-7.

- Dufour-Dror J.M. (2016) **Improving the prevention of alien plant invasion in the EPPO region: the need to focus on highly invasive plants with (still) limited distribution—examples from Israel.** EPPO Bulletin 46(2):341-347.
- Dufour-Dror J.M. (2015) **Highly invasive plants (still) restricted to a small specific region: Potential invaders for other countries – Examples from the eastern Mediterranean.** Poster and abstract presented at the Ecology and Management of Plant Invasions EMAP 2015 conference, Hawai'i, 20-24 Sept 2015.
- Kull C.A., Shackleton C.M., Cunningham P.S., Ducatillon C., **Dufour-Dror J.M.**, Esler K.J., Friday J.B., Gouveia A.C., Griffin A.R., Marchante E.M., Midgley S.J., Pauchard A., Rangan H., Richardson D.M., Rinaudo T., Tassin J., Urgenson L.S., von Maltitz G.P., Zenni R.D., Zylstra M.J. (2011) **Adoption, use, and perception of Australian acacias around the world.** Diversity & Distribution 17:822-836.
- Wilson J.R.U., Gairifo C., Gibson M.R., Arianoutsou M., Bakar B.B., Baret S., Celesti-Grapow L., Di Tomaso J.M., **Dufour-Dror J.M.**, Kueffer C., Kull C.A., Hoffmann J.H., Impson F.A.C., Loope L.L., Marchante E., Marchante H., Moore J.L., Murphy D.J., Tassin J., Witt A., Zenni R.D., Richardson D.M. (2011) **Risk assessment, eradication, containment, and biological control: global efforts to manage Australian acacias before they become widespread invaders.** Diversity & Distribution 17:1030-1046.
- Dufour-Dror J.M. (2007) **Influence of Cattle Grazing on the Density of Oak Seedlings and Saplings in a Tabor Oak Forest in Israel.** Acta Oecologica 31(2):223-228.

Technical Reports & Policy Documents

- Dufour-Dror J.M. (2020) **Detailed guidelines for the control of *Acacia saligna* and *Leucaena leucocephala* with aminopyralid.** Technical report, Israel Ministry of Environmental Protection, p.17. In Hebrew.
- Dufour-Dror J.M. (2016) **Guidelines for the prevention and the control of alien invasive plants along Israel water company network,** p.77. In Hebrew.
- Dufour-Dror J.M. (2015) **Alien invasive plants in wetlands and riparian habitats in Israel: Survey and prioritization model for control.** Final report submitted to the Nature & Parks Authority, p.77. In Hebrew.
- Dufour-Dror J.M. (2015) **Invasive plants free quarries: Guidelines for the control of alien invasive plants in quarries in Israel.** Submitted to the Society for the Protection of Nature in Israel. BirdLife International, Heidelberg Cement, in Hebrew, p.35 (translated into English p.47)
- Dufour-Dror J.M. (2014) **Control program for the removal of water lettuce (*Pistia stratiotes*) from the abandoned Shtulim quarry.** The Quarries Rehabilitation Fund, p.16. In Hebrew.
- Dufour-Dror J.M. (2013) **Guide for the control of invasive trees in natural areas in Cyprus: Strategies and technical aspects.** Edited by the Department of Forests, Ministry of Agriculture, Natural Resources and Environment, Nicosia. In English and in Greek, p.48.
- Dufour-Dror J.M. (2013) **The impact of fire on the dynamics of Mediterranean woody vegetation—The case of Ramat Hanadiv park (Israel).** In A. Perevolotsky (Ed.) Conserving and Managing Mediterranean Ecosystems: The Ramat Hanadiv case study and beyond., Ramat Hanadiv Pub. pp.87-92. In Hebrew.
- Dufour-Dror J.M., Fragman-Sapir O., Avishai M., Valczak M., Yaacoby T., Kagan S., Vered-Leshner H., Galon I., Heller A. & Gottlieb A. (2013) **Israel's least wanted alien ornamental plant species.** The Ministry of Environmental Protection, Israel Nature & Parks Authority and the Ministry of Agriculture, p.19.

Dufour-Dror J.M. (2011) **Fuelbreaks around buildings and along roads: Review of the current knowledge in Mediterranean regions and technical guidelines for implementation in Israel.** The Israel Ministry of Environmental Protection, p.37. In Hebrew.

Peer Reviewer for Scientific Journals

BiolInvasion Records – Biological Invasions – Diversity & Distributions – NeoBiota – Journal of Arid Environments – Pest Management Science – Plant Ecology – Remote Sensing of Environment

CONFERENCES

Control of *Acacia saligna* with aminopyralid direct application: New perspectives in the control management of one of the most widespread invasive wattle species .

15th International conference on ecology and management of alien plant invasions (EMAPI), Prague, 9-13 Sept. 2019.

Alien invasive species in agriculture systems and livelihoods in developing countries: Impacts and solutions

MASHAV's International Course on Agro-ecological Approaches for Sustainable Intensive Agriculture - MATC - MASHAV International Agricultural Training Center, Kibbutz Shefayim 02nd November 2018

Invasive plants in Africa's pasture lands

MATC - MASHAV International Agricultural Training Center, Kibbutz Shefayim 28th October 2018

Invasive plants in Israel: Characteristics, consequences, dynamics and control management

The Hebrew University of Jerusalem, the Faculty of Agriculture, Rehovot, 16th April 2018

Are wildfires in Israel an ecological disaster ?

The Technion—Israel Institute of Technology, Haifa, 06th February 2018

Design and Management of Firebreaks

One-day conference: "Firebreaks: theory, application and opportunities" Ramat HaNadiv Foundation 07th March 2017

Is *Eucalyptus camaldulensis* invasive also in Israel ?

The 10th annual conference on trees in Israel. Ministry of Agriculture, Beit Dagan, 01st December 2016

Control of *Ambrosia confertiflora* through restoration of native riverbank vegetation 2008-2016: Conclusions and prospects

The 44th annual conference of the Israel Ecology Society, Tel-Aviv, 22nd June 2016

Invasive plants in low ligneous vegetation ecosystems in the eastern Mediterranean: Which taxa could become potential invaders in a drier bioclimate?

Workshop on climate adaptation of *Ziziphus* arborescent matorral and gypsophilous steppes in Rizoelia National Park forest, Republic of Cyprus Nicosia, 14th 15th January 2015

Strategies and method for the control of alien invasive plant species in mine and quarry restoration: The Amiantos asbestos mine case study (Cyprus)

Workshop on Biodiversity Enhancement in Restoration of mines and quarries in Cyprus, Botanical Garden Amiantos Asbestos Mine, 20th 21st November 2014

Control techniques for Burr Ragweed small foci

Workshop on *Ambrosia confertiflora*, Nature & Parks Authority, Hefer valley regional council, September 4th 2014

Invasive aquatic plant species: A threat to freshwater habitats in Israel

Workshop on alien invasive species in riparian and aquatic habitats, Nature & Parks Authority, Enan Mekorot Plant, March 12th 2014

Urban ecology and natural resources in urban environments in Israel

Faculty of Architecture, Ariel University, February 20th 2014

Israel's least wanted alien ornamental plant species .

Oral presentation at the EPPO/CoE/IUCN ISSG International Workshop "How to communicate on pests and invasive alien plants?", Oeiras, Portugal, October 08-10th, 2013

Techniques and strategies for the control of invasive plants in gardens, parks and along networks in Israel

Ministry of Agriculture, Beit Dagan, Dec.20th 2012

Cattle grazing in Tabor oak forests: Consequences on oak seedlings density

Israel Ministry of Environmental Protection, Jerusalem, December 17th, 2003

EDUCATION

Ph.D. in Biogeography, Sorbonne University (Paris IV), France 1995 – 1999

"Vegetation dynamics and potentialities in the Eastern Mediterranean: The Carmel mount region, Israel"

Awarded with highest distinction

Hebrew learning program and GIS course at the Geography Dept. of the Hebrew University of Jerusalem 1994 – 1995

M.A. in Geography, specialty Biogeography, Sorbonne University (Paris I), France 1992 – 1994

"Afforestation in arid and semiarid region: The Negev desert, Israel". *Awarded with highest distinction*

B.A. in Geography, Sorbonne University (Paris I), France 1989 – 1992

Bachelor degree, Mathematics & Biology 1988

LANGUAGES

English – Fluent



Hebrew – Fluent



French – Mother language



Spanish – Reading



Portuguese – Reading

