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Mihaela Monica Dinu

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https://www.brainmap.ro/mihaela-monica-dinu | **Website:**

https://www.linkedin.com/in/mmdinu | **Address:** Bucharest, Romania (Work)

EDUCATION AND TRAINING

2021 – 2024 Bucharest, Romania
PHD IN BIOTECHNOLOGY DOCTORAL SCHOOL OF ENGINEERING AND MANAGEMENT OF VEGETAL AND ANIMAL RESOURCES - Biotechnologies

Website https://biotehnologii.usamv.ro/

2025 – 2025 Netherlands
ERASMUS+ SHORT TERM MOBILITY Wageningen University & Research

2023 – 2023 Santa Cruz de Tenerife, Spain
ERASMUS+ SHORT TERM MOBILITY Universidad de La Laguna

Website https://www.ull.es/

16/01/2017 – 18/01/2017 Schwentinental, Germany
TRAINED IN DEVELOPMENT OF BIOLOGICAL CONTROL PRODUCTS BIOCOMES

Topics:
Markets & product registration - Methods in research on ecology, detection & mode-of-action - Screening strategies & efficacy testing - Lab to greenhouse transfer & application - Industrial mass production & quality assessment of products

06/10/2015 – 10/10/2015 Rehovot, Israel
TRAINED IN BIOLOGICAL MANAGEMENT OF ARTHROPOD PESTS IN GREENHOUSE CROPS: PRINCIPLES AND THEIR APPLICATION R.H. Smith Faculty of Agriculture, Food and Environment The Hebrew University of Jerusalem

Topics:Protected agriculture in Mild Climate; Application of Pest Controlling Chemicals (The Pesticide Dilemma); Pollination of Greenhouse Crops; Entry, distribution and optical manipulation of thrips and other pests in greenhouses; Developmental and reproduction processes of vegetable crops under environmental stress conditions; Plant pathogens: characteristics, the problems they cause, solutions; Natural enemies used in biological control; Characteristics of major greenhouse insect pests; Augmentative and conservation biological control in greenhouse crops; Aphids: Characteristics, Pests in Agriculture, Control Methods; White flies and their natural enemies; Plant-Feeding Mites; IPM of organic greenhouse pests; Prevention and physical pest control in protected crop production methods.

2011 – 2013 Bucharest, Romania
MASTER DEGREE IN AGRO-ECOSYSTEM PROTECTION AND PHYTOSANITARY EXPERTISE Faculty of Agriculture, University of Agronomical Sciences and Veterinary Medicine

Dissertation "The use of biological methods in combating green peach lice (*Myzus persicae*) in protected cropping", presented at the IOBC / WPRS international conference "Integrated Control in Protected crops Temperate Climate" and at the meeting of the working group within the Action COST FA1105 “Towards a sustainable and productive EU organic greenhouse horticulture”, Belgium, 2016

2008 – 2011 Bucharest, Romania
BACHELOR DEGREE IN BIOLOGY Faculty of Biology, University of Bucharest

Bachelor Thesis „Comparative study on morphology of some indigenous *Beauveria bassiana* strains, isolated from natural outbreaks and cultivated on solid media". Thesis was presented at The XXIVth National Symposium of Mycology, 2012, Bucharest.

1995 – 1999 Timisoara, Romania
BACHELOR DEGREE IN SOCIAL WORK Faculty of Psychology and Sociology, West University

WORK EXPERIENCE

HEAD OF THE DEPARTMENT OF BIOPRODUCTS – RESEARCH DEVELOPMENT INSTITUTE FOR PLANT PROTECTION – 2025 – 2026 – BUCHAREST

SCIENTIFIC RESEARCHER – RESEARCH-DEVELOPMENT INSTITUTE FOR PLANT PROTECTION, USEFUL ORGANISMS LABORATORY – 2012 – 2025 – BUCHAREST, ROMANIA

My work focuses on entomopathogenic fungi (isolation, characterization, testing) for biological control of pests in agricultural, horticultural and forestry crops.

TRAINER – LENTIZ EDUCATION GROUP – 2016 – 2020 – NETHERLANDS

Courses for Romanian workers: crop protection, biological control of pests, sustainable use of plant protection products.

SCIENTIFIC RESEARCHER - SHORT TERM SCIENTIFIC MISSION – WAGENINGEN UR (GREENHOUSE HORTICULTURE) – 2012 – 2014

COST FA 1105: Biogreenhouse Towards a sustainable and productive EU organic greenhouse horticulture.

April-May, 2015
Project "Inducing epizootics of entomophthorales among aphids in organic sweet pepper crops"

February-June 2014
Project "Biological control of aphids with entomopathogens"

April-July 2013
Project "Biological control of aphids in sweet pepper with entomopathogens and study interactions with natural enemies"

RESEARCH ASSISTANT, USEFUL ORGANISMS LABORATORY – RESEARCH-DEVELOPMENT INSTITUTE FOR PLANT PROTECTION – 2010 – 2012 – BUCHAREST, ROMANIA

LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PUBLICATIONS

SCIENTIFIC PAPERS

Google Academic
https://tinyurl.com/yctz7t5s
h-index7
i10-index6

BOOKS/BROCHURES

1. *BioMelCon – Insecticid biologic experimental pentru combaterea cărăbuşului de mai.* **Eng***: Experimental biological insecticide to control the European cockchafer*. ISBN 978-973-139-271-4. Ed. ALPPHA MDN 2013. (Cristina Fătu, **Mihaela Monica Dinu**, Constantin Ciornei, Ana-Maria Andrei).
2. *Procedee de fermentaţie microbiană utilizate pentru obţinerea biopreparatelor fungice.* **Eng***: Microbial fermentation processes used to obtain fungal biopreparations*. ISBN 978-973-139-269-1. Ed. ALPPHA MDN 2013. (**Mihaela Monica Dinu**, Cristina Fătu, Ana-Maria Andrei).
3. *Procedee de creştere şi utilizare a insectelor pentru testarea biologică a produselor de protecţia plantelor.* **Eng:** *Procedures for mass rearing and the use of insects for biological testing of plant protection products.* ISBN 978-973-139-267-7. Ed. ALPPHA MDN 2014. (**Mihaela Monica Dinu**, Cristina Fătu, Andrei Chiriloaie, Ana-Maria Andrei).
4. *Protecția biologică a culturilor forestiere cu bioinsecticide fungice entomopatogene.* **Eng**: *Biological protection of forest nurseries with fungal bioinsecticides*. ISBN 978-973-139-290-5Ed. ALPPHA MDN 2015. (Ana-Maria Andrei, Cristina Fătu, **Mihaela Monica Dinu**, Constantin Ciornei, Daniela Lupăștean, Gabriel Cardaș).
5. *BioProSol, insecticid biologic experimental pentru combaterea gândacului din Colorado.* **Eng***: Experimental biological insecticide to control the Colorado potato beetle*. ISBN 978-606-8003-62-7. Ed. Total Publishing, 2017. (Ana-Maria Andrei, **Mihaela Monica Dinu**, Cristina Fătu, Daniel Kazimir Kurzeluk).
6. *Dicționar de control biologic*. **Eng**: *Dictionary of biological control (Ro-Eng)*. ISBN 978-973-668-551-4. Ed. Oskar Print, 2021. (**Mihaela Monica Dinu**)

PATENTS

1. **Mihaela-Monica Dinu**, Ana-Cristina Fătu, Ana-Maria Andrei, 2012. CBI nr. A/00973 / 07.12.2012 (Substrat nutritiv și de formulare pentru *Beauveria bassiana* (Bals.) Vuill.) **Eng:** Nutrient substrate and formulation for *Beauveria bassiana* (Bals.) Vuill.)
2. Ana-Cristina Fătu, **Mihaela Monica Dinu**, Eugen Marin, Felicia Mureșanu, Roxana Ciceoi, Burnichi Floarea, Beatrice Michaela Iacomi, Teodor Rusu,2021. CBI nr. A/00187/22.06.2021 (Tulpină de *Metarhizium anisopliae*, patogenă pentru cărăbușul de stepă, *Anoxia villosa)* **Eng:** *Metarhizium anisopliae* strain, pathogenic for *Anoxia villosa.*

HONOURS AND AWARDS

2023
Silver Medal – EUROINVENT

15th European Exhibition of Creativity and Innovation, Iași, Romania, 13 May 2023 — for the invention *"Metarhizium anisopliae pathogenic strain for the Melolonthinae scarab, Anoxia villosa"* (co-author). Held under the patronage of the Romanian Ministry of Research, Innovation and Digitalization

2023
Certificate of Excellence – National Institute for Laser, Plasma and Radiation Physics (INFLPR)

awarded at EUROINVENT, 15th European Exhibition of Creativity and Innovation, Iași, Romania, 11–13 May 2023. Invention: *"Metarhizium anisopliae pathogenic strain for the Melolonthinae scarab, Anoxia villosa"* (co-author).

2023
Diploma of Excellence – EUROINVENT Book Salon

15th European Exhibition of Creativity and Innovation, Iași, Romania, 13 May 2023 — awarded for the book *"Dicționar de control biologic"* (Dictionary of Biological Control), sole author. Endorsed by the Academy of Romanian Scientists.

2016
Research Results Award PRECISI – PNCDI II > HUMAN RESOURCES

PRECISI is a program that awards prizes to researchers who have published significant research in prestigious journals. The program is funded by the Romanian government and is designed to promote and reward excellence in Romanian research.

JOB-RELATED ACTIVITIES

2023 – CURRENT
Associate Editor

Romanian Journal for Plant Protection

2025 – CURRENT
Editorial Board Member

Biotechnology and Bioprocessing, Auctores journal

2025 – 2026
Guest Editor

Journal *Phyton-International Journal of Experimental Botany*
Special Issue *Plant Protection and Pest Management*

2016 – 2018
Program Committee Member

ISB-INMA International Symposium, Agricultural and Mechanical Engineering

2016
Fundraising campaign ambassador for Romania

International Organisation for Biological and Integrated Control - West Palaearctic Regional Section (IOBC-WPRS)

2015
Scientific reporter - Workshop Pest management

Symposium on Organic Greenhouse Horticulture, Belgium

2008 – 2010
Volunteer work

Gardener - Botanical Garden "Dimitrie Brandza", Bucharest
Laboratory assistant - Research-Development Institute for Plant Protection

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

*Good communication skills.*I am very diplomatic and I am able to work with a range of people at all levels.

ORGANISATIONAL SKILLS

Organisational skills

I have the ability to work to tight deadlines and I am a good team player.