

## INFORMAȚII PERSONALE

## Palade Laurentiu Mihai

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Sexul Masculin | Data nașterii 29/06/1986 | Naționalitatea română

## LOCUL DE MUNCĂ DORIT

## EXPERIENȚA PROFESIONALĂ

11/2014–Prezent

**Cercetator Stiintific**

Institutul National de Cercetare-Dezvoltare pentru Biologie si Nutritie Animala (IBNA Balotesti)  
Calea Bucuresti nr. 1, Ilfov, 077015 Balotesti (România)

- cercetari privind testarea si caracterizarea micotoxinelor din furaje animale;
- tehnici moderne pentru extractia compusilor bioactivi din diferite surse si testarea activitatii lor biologice;
- utilizarea tehnicilor se spectroscopie de absorbtie si emisie UV-VIS;
- studii privind sisteme enzimactice, cititor de placi Tecan;
- tehnici de cromatografie - TLC, HPLC;
- screening-ul si caracterizarea polifenolilor din diferite surse.

Tipul sau sectorul de activitate Cercetare

19/10/2015–13/11/2015

**Internship**

Short Term Scientific Mission - Cost Action at "Centro di ricerca per gli alimenti e la nutrizione (NUT)"  
Via Ardeatina 546, 00178 Roma (Italia)

- caracterizarea unor molecule bioactive din sisteme biologice
- utilizarea tehnicii de cromatografie de lichide cuplata cu spectrometrie de masa

Tipul sau sectorul de activitate Cercetare

10/2012–11/2014

**Asistent cercetator stiintific**

Institutul National de Cercetare-Dezvoltare pentru Stiinte Biologice  
Splaiul Independentei Nr. 296, Sectorul 6, C.P. 17-16, Bucuresti - Romania, 060031 Bucuresti (România)

- obtinerea, caracterizarea si testarea a diferiti compusi fitoterapeutici;
- tehnici moderne pentru extractia compusilor bioactivi din diferite surse si testarea activitatii lor biologice;
- utilizarea tehnicilor se spectroscopie de absorbtie si emisie UV-VIS;
- studii asupra structurilor moleculare;
- tehnici de cromatografie - GC-MS

Tipul sau sectorul de activitate Cercetare

10/2011–08/2012

**Asistent in laborator**

Mediterranean Agronomic Institute of Chania (MAICh), CIHEAM, Creta, Grecia  
Alyllio Agrokepiou, P.O. Box 85, GR-73100 Chania, Creta (Grecia)

- supervizarea studentilor in laborator

- implicarea in diferite proiecte internationale
- tehnici instrumentale analitice

Tipul sau sectorul de activitate Cercetare

03/2011–06/2011

### Internship

Technical University of Denmark (DTU) Department of Chemical and Biochemical Engineering  
Søtofts Plads; Building 229, 2800 Kgs. Lyngby (Danemarca)

- studiul enzimelor - purificare, caracterizare si cinetica
- metode analitice instrumentale.

Tipul sau sectorul de activitate Educatie

09/2007–04/2009

### Translator (Academic)

Universitatea de Stiinte Agronomice si Medicina Veterinara Bucuresti, Romania  
59 Marasti Bd., 011464 Sector 1, Bucuresti (România)

- translator, Engleza-Romana si Romana-Engleza
- traducerea documentelor stiintifice in cadrul programelor de cercetare internationale.

Tipul sau sectorul de activitate Activitati administrative si suport tehnic

## EDUCAȚIE ȘI FORMARE

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01/10/2013

### Doctorand

Universitatea de Stiinte Agronomice si Medicina Veterinara, Bucuresti (România)

10/2009–2011

### Master of Science

Master of Science

Mediterranean Agronomic Institute of Chania  
Alsyllo Agrokepiou, PO Box 85, 73100 Chania (Grecia)

Generale

- Chimie organica, Biochimie, Relatii ale apei in alimente, Microbiologie, Proteine si enzime in alimente

Profesionale

- Studiul alimentelor si produsilor naturali (microbiologie, biochimie, relatii ale apei in alimente, evaluarea vietii pe raft, ambalarea alimentelor)
- Aptitudini profesionale (principii de baza, igiena si siguranta alimentara, responsabilitati atribuite unui asistent in laborator)

09/2005–06/2009

### Bachelor of Science - Biotehnologii

Inginer

Universitatea de Stiinte Agronomice si Medicina Veterinara Bucuresti, Romania  
59 Marasti Bd., 011464 Sector 1, Bucuresti (Romania)

General

- Chimie, Microbiologie, Patologie animala, Microbiologie animala, Enzimologie.

Profesional

- Studiul instrumentelor (microbiologie, chimie, igiena si siguranta alimentara)
- Aptitudini profesionale (principii si tehnici de laborator, analiza H.A.C.C.P.)

## COMPETENȚE PERSONALE

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Limba(i) maternă(e)

română

## Alte limbi străine cunoscute

	ÎNȚELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
engleză	C2	C2	C2	C2	C2
germană	A1	A2	A1	A1	A2
franceză	A1	A2	A1	A1	A1
greacă	B1	B1	B1	A2	B1

Niveluri: A1 și A2: Utilizator elementar - B1 și B2: Utilizator independent - C1 și C2: Utilizator experimentat  
 Cadrul european comun de referință pentru limbi străine.

## Competențe de comunicare

- Munca in echipa si abilitati de conducere in medii multiculturale;  
 - Bune aptitudini de comunicare obtinute pe parcursul educatiei in strainatate.

## Competențe organizaționale/manageriale

- Abilitati de conducere; fost presedinte al Consiliului Studentilor pe parcursul programului de master; aproximativ 150 de studenti din peste 20 de tari;- Managementul echipei - asistent in laborator.

## Competențe dobândite la locul de muncă

- Bune aptitudini in utilizarea echipamentului de laborator obtinute pe parcursul programului de master;- Capacitate de a folosi echipamentele si instrumentele de cercetare dobandita ca urmare a indeplinirii obiectivelor de cercetare.

## Competență digitală

- Cunostinte Microsoft Office si Open Office;  
 - Programe de analiza a datelor (SAS JMP; SigmaPlot) si aplicatii genetice (Vector NTI);  
 - Cunostinte de design grafic (CorelDRAW Graphics Suite)  
 - Cunostine soft cromatografie (Xcalibur)

## Alte competențe

- Pian (lectii private de pian)

## Permis de conducere

B

## INFORMAȚII SUPLIMENTARE

## Poster:

- "Synthesis and structural characterization of novel flavanone and arylidene-flavanone derivatives with antioxidant activity" - 15th Hellenic Symposium on Medicinal Chemistry, May 25 - 27 2012, Auditorium "Leonidas Zervas" National Hellenic Research Foundation (NHRF).

## Poster:

- "Fractionation, polyphenol profiling and in vitro antioxidant activity of plant species of pharmacological interest native\* to the island of Crete" – 8th International Conference on Instrumental Methods of Analysis, Modern Trends and Applications, September 15-19 2013, Thessaloniki, Greece.

## Poster:

- Laurentiu Mihai Palade, Denisa Duta, Alina Butu, Panagiotis Kefalas, Mona Elena Popa.  
*Characterization of the volatile profile of Romanian Cabernet Sauvignon wines through GC-MS and Electronic Nose detection.* Conferinta internationala "3<sup>rd</sup> International ISEKI Food Conference",

Athens, May 21-23, 2014.

Poster:

- Laurentiu Mihai PALADE, Mona-Elena POPA. *Wine traceability and authenticity*. Conferinta internationala "Agriculture for life, life for agriculture", June 5-7, 2014, Bucharest, Romania

Poster:

- Andreea DOBRE, Laura MARIN, Carmen MANOLE, Diana GOLEA, Laurențiu Mihai PALADE, Cătălina TUDORA, Călina Petruța CORNEA, Detection of antagonistic activity of bacteria against *Phytophthora infestans* and *Pythium debaryanum*, The 13th International Symposium "Prospects for the 3rd Millennium Agriculture", Cluj-Napoca, 25<sup>th</sup> – 27<sup>th</sup> September 2014

Poster:

- Laurentiu Mihai PALADE, Laura MARIN, Carmen MANOLE, Alina BUTU, Influence of volatile oils on the *in vitro* growth of *Phytophthora infestans*, The 13th International Symposium "Prospects for the 3rd Millennium Agriculture", Cluj-Napoca, 25<sup>th</sup> – 27<sup>th</sup> September 2014

Poster:

- LaurentiuMihaiPALADE, Carmen MANOLE,AndreeaDOBRE, Laura MARIN, Diana GOLEA, and Catalina TUDORA, Changes in penolics and protein content during seed germination of *Carthamus tinctorius* L., The 13th International Symposium "Prospects for the 3rd Millennium Agriculture", Cluj-Napoca, 25<sup>th</sup> – 27<sup>th</sup> September 2014

Poster:

Laurentiu Mihai PALADE, Mona-Elena POPA. GC-MS HEADSPACE CHARACTERIZATION OF THE VOLATILE PROFILE OF GRAPE SKIN, PULP AND SEED EXTRACTS FOR THREE ROMANIAN VARIETIES. Conferinta internationala "Agriculture for life, life for agriculture", June 6-8, 2015, Bucharest, Romania

Poster:

Veronica Sanda CHEDE, Loredana Georgeta CALIN, Panagiotis KEFALAS, Mariana STANCU, Laurentiu Mihai PALADE, Daniela Eliza MARIN, Ionelia TARANU. THE INCLUSION OF GRAPE POMACE IN WEANING PIG DIET INFLUENCES THE HUMORAL IMMUNE RESPONSE. Romanian Society of Biochemistry and Molecular Biology, Anniversary Conference 25 years of promoting molecular life sciences, Bucharest, 17-18 September, 2015

Poster:

Veronica Sanda CHEDEA, Laurentiu Mihai PALADE, Ionelia TARANU. Valorization of wine industry waste as a source of antioxidants for an enriched animal diet- actions of grape seed extracts. FOODSEG Symposium 2015: The Network 14 +, 23-24 April, Rome

Prezentari orale:

- Phenolics and esi-ms - cases of diagnostic fragments - application in wine phenolic fingerprinting, Laurentiu Mihai Palade, Sofia Loupasaki, Charalambos Fotakis, Katerina Kokkotou, Maria Zervou, Panagiotis Kefalas, Session 10: food & goods fingerprinting methods application to the origin of traditional products, Conference: "Building Trust through Authentic Food and Safety" 29-31 Oct. 2012, Crowne Plaza Hotel, Limassol, Cyprus;

- Differentiation of three grape varieties by means of sensory analysis and characterization of the volatile compounds profile of their musts, Laurentiu Mihai PALADE, Denisa DUTA, Cosmin POPESCU, Constantin CROITORU, Mona-Elena POPA, International Conference "NEEFOOD" Brasov, 20-23 May 2015

## Publicatii:

- Chedea, Veronica Sanda, L. M. Palade, M. C. Rotar, L. G. Călin, and C. Dragomir. 2015. "THE ANTHOCYANIN COMPOSITION OF A RED GRAPE POMACE IN RELATION WITH THE WINE INDUSTRY BY- PRODUCTS VALORIZATION IN ANIMAL FEED." *Lucrări Științifice Seria Horticultură* 58(1):29–34.
- Dobre, Andreea et al. 2015. "Detection of Antagonistic Activity of Bacteria Against Phytophthora Infestans and Pythium Debaryanum." *Bulletin of the University of Agricultural Sciences & Veterinary Medicine Cluj-Napoca. Veterinary Medicine* 72(1):283–84.
- Malićanin, Marko et al. 2014. "Content of Antioxidants, Antioxidant Capacity and Oxidative Stability of Grape Seed Oil Obtained by Ultra Sound Assisted Extraction." *Journal of the American Oil Chemists' Society* 91(6):989–99.
- PALADE, Laurentiu M., Laura MARIN, Carmen MANOLE, and Alina BUTU. 2014. "Influence of Volatile Oils on the In Vitro Growth of Phytophthora Infestans." *Bulletin UASVM Animal Science and Biotechnologies* 71(2):307–8.
- PALADE, Laurentiu Mihai et al. 2015. "Changes in Phenolics and Protein Content during Seed Dermination of Carthamus Tinctorius L." *Bulletin USAMV series Agriculture* 72(1):70–72.
- Palade, Mihai and Mona-elena Popa. 2014. "Wine Traceability and Authenticity - A Literature Review." *Scientific Bulletin. Series F. Biotechnologies XVIII (May):* 226–33.
- PALADE, Mihai and Mona-Elena POPA. 2015. "GC-MS HEADSPACE CHARACTERIZATION OF THE VOLATILE PROFILE OF GRAPE SKIN , PULP AND SEED." *Scientific Bulletin. Series F. Biotechnologies XIX:*174–77.
- Tair, Asma et al. 2014. "Origanum Species Native to the Island of Crete: In Vitro Antioxidant Characteristics and Liquid Chromatography–mass Spectrometry Identification of Major Polyphenolic Components." *Natural Product Research* 28(16):1284–87.