

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
Alsyllo 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
Søltofts 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

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

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 în echipă și abilități de conducere în medii multiculturale;
- Bune aptitudini de comunicare obținute pe parcursul educației în străinătate.

Competențe organizaționale/manageriale

- Abilități de conducere; fost președinte al Consiliului Studenților pe parcursul programului de master; aproximativ 150 de studenți din peste 20 de țări; Managementul echipei - asistent în laborator.

Competențe dobândite la locul de muncă

- Bune aptitudini în utilizarea echipamentului de laborator obținute pe parcursul programului de master; Capacitate de a folosi echipamentele și instrumentele de cercetare dobândite ca urmare a îndeplinirii obiectivelor de cercetare.

Competență digitală

AUTOEVALUARE				
Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat

Competențele digitale - Grilă de auto-evaluare

- Cunoștințe Microsoft Office și Open Office;
- Programe de analiză a datelor (SAS JMP; SigmaPlot) și aplicații genetice (Vector NTI);
- Cunoștințe de design grafic (CorelDRAW Graphics Suite)
- Cunoștințe soft cromatografie (Xcalibur)

Alte competențe

- Pian (lecții 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 "3rd 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, Laurentiu 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, 25th – 27th September 2014

Poster:

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

Poster:

- Laurentiu Mihai PALADE, Carmen MANOLE, Andreea DOBRE, 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, 25th – 27th 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

Poster:



Laurentiu Mihai Palade, Cristiano Bello, Fausta Natella, Mona-Elena Popa and Ionelia Taranu. Concentration dependent behaviour of polyphenol model solutions towards the inhibition of copper-mediated low density lipoprotein (LDL) oxidation. Conferinta internationala "4th International ISEKI_Food Conference 2016", Vienna, Austria, July 6-8, 2016.

Poster:

Daniela MARIN, Veronica CHEDEA, Mariana ROPOTA, Mihai PALADE, Rodica PELMUS, Ionelia TARANU. "A comparative analysis of polyphenols and fatty acids contents in methanol and acetone extracts from walnut and pumpkin meals". 10th World Congress on Polyphenols Applications June 29 to July 1, 2016 - Porto, Portugal.

Poster:

Ionelia TARANU, Iulian GROSU, Alexandru Mihail GRAS, Mihai PALADE, Veronica Sandală CHEDEA, Daniela Eliza MARIN. "Modulation of immune and antioxidant response in weaned piglets by bioactive compounds from grape seed by-product". 10th World Congress on Polyphenols Applications June 29 to July 1, 2016 - Porto, Portugal.

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
- Laurențiu Mihai Palade, Mona Elena Popa. Biosynthesis aspects about specific compounds of wine
- Characterization of polyphenols in red grapes and their modifications during wine making and maturation. Conferință „ Diaspora și prietenii ei” 2016, 25-28 aprilie, Timișoara, România.

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.



Chedea, V. S., Pelmus, R. S., Cismileanu, A. E., Pistol, G. C., Palade, L. M., & Taranu, I. (2016). Total Polyphenols Content, Antioxidant Activity and Stability of a Grape Pomace Incorporated in Animal Feed, *49*(1), 1–5.

Palade, L. M., & Chedea, V. S. (2016). Antioxidant/pro-oxidant action of polyphenols from grape seeds. In and D. F. R. E. J.M.L. Rodriguez (Ed.), *Grape Seeds: Nutrient Content, Antioxidant Properties and Health Benefits* (pp. 27–56). Ed. Nova Science Publ.

Marin, D., Chedea, V., Ropota, M., Palade, M., Pelmus, R., & Taranu, I. (2016). A comparative analysis of polyphenols and fatty acids contents in methanol and acetone extracts from walnut and pumpkin meals. *Journal of International Society of Antioxidants in Nutrition & Health*, 3(4–Special Issue for Porto Polyphenols 2016).

Taranu, I., Grosu, I., Gras, A. M., Palade, M., Chedea, V. S., & Marin, D. E. (2016). Modulation of immune and antioxidant response in weaned piglets by bioactive compounds from grape seed by-product. *Journal of International Society of Antioxidants in Nutrition & Health*, 3(4–Special Issue for Porto Polyphenols 2016).

Hăbeanu, M., Tabuc, C., Gheorghe, A., Ropota, M., Dumitru, M., Călin, L., ... Palade, M. (2016). Preliminary study on the interrelation between sow milk quality and litter performance in relation to their health. *Scientific Papers-Animal Science Series: Lucrări Științifice - Seria Zootehnie*, 66, 35–40.

