

PERSONAL INFORMATION

Iulian Alexandru Grosu

 Arefu, Nr. 59, 052766 Bucuresti (Romania)

 0726241634

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Sex Male | Date of birth 15/10/1984 | Nationality Romanian

EDUCATION AND TRAINING

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- 15/09/1999–15/06/2003 **High School Diploma** EQF level 5
Colegiul National Mihai Eminescu, Buzau (Romania)
Biologie, Chimie, Matematica, Fizica, Informatica, Limba romana, Limbi straine (Engleza, Franceza)
Biology, Chemistry, Mathematics, Physics, Informatics, Romanian, English, French Course
- 15/09/2007–15/06/2011 **Bachelor's Degree (Industrial Biotechnologies)** EQF level 6
University of Agronomy and Veterinary Medicine Bucharest, Bucuresti (Romania)
Applied Engineering Sciences (Genetical Engineering, Biotechnologies, Microbiology, Enzymology, Food Safety, English)
- 15/09/2011–15/06/2013 **Master's Degree (Microbial Biotechnologies and Genetics)** EQF level 7
University of Bucharest, Romania, Bucuresti (Romania)
Genetics and Genetic Engineering, Microbiology, Bioinformatics, Molecular Analysis, BioEthics
- 01/10/2013–01/10/2015 **PhD** EQF level 8
University of Agronomy and Veterinary Medicine Bucharest, Bucuresti (Romania)

WORK EXPERIENCE

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- 01/09/2015–Present **Researcher**
National Research Development Institute for Animal Biology and Nutrition
-microbiota analysis, bioinformatics pipeline software
-molecular biology (genetic material isolation and quantification, electrophoresis, Real Time PCR)
-chromatography
-mycotoxin determination (Elisa, TLC)
- 15/09/2016–15/10/2016 **Internship**
Alma Mater Studiorum - Università di Bologna (Distal), Bologna (Italy)
-Short Term Scientific Mission for young researchers with the subject "The effect of bioactive compounds from grape waste on bacterial populations in pig used as animal model for IBD investigations"
- 15/09/2011–15/04/2013 **Research assistant**
National Institute of Research and Development for Biological Sciences
Splaiul Independentei nr. 296 sector 6, 060031 Bucuresti (Romania)

PERSONAL SKILLS

Mother tongue(s) Romanian

Foreign language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	B1	A2	B1	A2	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages - Self-assessment grid

Communication skills

Organisational / managerial skills -Organizational skills
 -Experience in managing projects and teams

Job-related skills -Good knowledge in Molecular Biology, Microbiology, Genetics, Science Ethics, Philosophy
 -Understanding and manipulating technologies related to Molecular Biology: PCR, RT PCR, electrophoresis
 -Understand and handling of related Bio Chemistry technologies: Mass spectrometry, spectrophotometry, thin layer chromatography, GC MS
 -Responsible for the analysis of mycotoxins in the department of Biology IBNA
 -Quantification of genes of interest using RT PCR, belonging to animals used in animal husbandry, in the department of Biology, IBNA
 -Responsible for developing technical and scientific description of the projects subject to evaluation in three competitions in 2011 and 2013 Partnerships Program, funded by CDI.
 -Member of research team of IBNA with contributions in projects of national and international management: *Proiect complex 8PCCDI0473/2018-2020- PC1: „Valorificarea reziduurilor agroalimentare prin solutii nutritionale de contracarare a contaminantilor prezenti in furaje” – team member*
ADER 9.2.1/2019-2022 „Evaluarea efectelor produse de diferiti contaminanti alimentari asupra sanatatii purceilor dupa intarcare si elaborarea de recomandari nationale si europene privind normele si limitele de toleranta pentru micotoxine” – responsible for project
Proiect Nucleu PN19 09 01 01 „Investigarea potentialului unor subproduse agro-industriale prelucrate prin fermentare de a modula procese fiziologice cu o importanta majora pentru obtinerea de performante, reducerea stresului oxidativ si a inflamatiei tranzitorii la purcea dupa intarcare”. – project team member,
 New formulas used to control and combat Oomycota in horticultural crops, Partnerships Program, UEFISCDI (2012 2015); Identification, characterization and usage of bioresources for obtaining useful substances and biodiversity conservation, Core Program (2009 2013); Biofuels common source of cross border cooperation and sustainable development of the area, Romania to Bulgarian border cooperation program (2011 2013).
 -Involvement in the implementation of national projects through participation in the development and research of their theoretical and experimental (studies on gene therapy, antimicrobial peptides, methods of treating beekeeping diseases ; experimental design schemes and characterization of biologically active compounds from plant extracts with antioxidant and antimicrobial effects ; conducting instrumental analysis, applying techniques such as gas chromatography / mass spectrometry MALDI TOF; knowledge in extraction methods like percolation , maceration , unconventional methods for identification of alternative biofuels from energy crops, designing training courses for biofuel and bioethanol from safflower and sorghum respectively.
 -Publication and dissemination of project results through scientific with participation at national and international level (posters and oral presentations conferences and writing articles

Digital skills Good command of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™);

Knowledge of graphic design applications (Adobe Illustrator™, Photoshop™).

ADDITIONAL INFORMATION

Oral Presentations

I.A. Grosu, C. Voaides, M. Ciuca, P. Comea, *Molecular identification of some Fusarium strains isolated from wheat plants*, SimpBTH, Romania, 18-19 noiembrie 2010

Iulian Alexandru GROSU, *Biodieselul – viitorul inca suna bine*, Workshop in cadrul proiectului european Biocombustibili – sursa comuna de dezvoltare sustenabila a zonei de cooperare transfrontaliere, 2 Decembrie 2011, Giurgiu

Iulian Alexandru GROSU, 2012, *Biodiesel, the fuel of the future*, International Seminar on BIOFUELS – source of common sustainable development in the cross-border cooperation area, 26 Septembrie 2012, Ruse

Iulian Alexandru GROSU, *Heterogeneous catalysis of biodiesel*, International Conference on BIOFUELS – source of common sustainable development in the cross-border cooperation area, 16 – 17 Octombrie, 2012, Ruse

Andreea DOBRE, Diana GOLEA, Iulian GROSU, Marian BUȚU, *Studii preliminare privind înglobarea polipeptidului anticancerigen bortezomib în vectorii de transport – lipozomi*, Sesiunea Științifică Anuală a Institutului Național de Cercetare-Dezvoltare pentru Științe Biologice - sesiune dedicată tinerilor cercetători – 14 Noiembrie 2012, București

Iulian GROSU, Andreea DOBRE, *Catalizatori solizi neconvenționali folosiți în transesterificarea trigliceridelor*, Sesiunea Științifică Anuală a Institutului Național de Cercetare-Dezvoltare pentru Științe Biologice - sesiune dedicată tinerilor cercetători – 14 Noiembrie 2012, București

Carmen MANOLE, Iulian GROSU, Steliana RODINO, Alina BUȚU, *Evaluarea in vitro a efectului antibacterian al unor uleiuri volatile din plante*, Sesiunea Științifică Anuală a Institutului Național de Cercetare-Dezvoltare pentru Științe Biologice - sesiune dedicată tinerilor cercetători – 14 Noiembrie 2012, București

Alexandru Iulian Grosu, Oana Ciobotaru, Andreea Dobre, Calina Petruta Comea, *Fusarium spp. mycotoxin contamination – toxicity and its management by biological control strategies*, Lucrari Stiintifice Zootehnie si Biotehnologii vol.47 No.1 2014

Iulian GROSU, Florentina ISRAEL-ROMING, Oana-Alina SICUIA, Florica CONSTANTINESCU, Gabriela POPA, Călina Petruta CORNEA, *Effect of some bacterial antagonists on growth and mycotoxin production of Fusarium graminearum and F.culmorum isolates*, Scientific Bulletin. Series F. Biotechnologies 2014

Alexandru Iulian GROSU, Oana-Alina SICUIA, Dobre Andreea, Călina Petruța CORNEA, *Evaluation of Some Bacillus spp. Strains for the Biocontrol of Fusarium graminearum and F. culmorum in Wheat*, Agriculture and Agricultural Science Procedia (2015) pp. 559-566

Grosu Iulian Alexandru, Sicuia Oana Alina, Voaides Catalina, Dobre Andreea, Comea Calina Petruta, *The biocontrol of Fusarium spp. with local isolates of Bacillus spp. strains*, European Biotechnology Congress 2015

Palade, Laurentiu Mihai; Marin, Daniela Eliza; Pistol, Gina Cecilia; Grosu, Iulian Alexandru; Gheorghe, Anca; Habeanu, Mihaela; Taranu, Ionelia. 2017. Dietary *Cannabis sativa* L. (Hemp) seed meal improves oxidative stress response in sows and offspring. 14th International Symposium of Animal Biology and Nutrition, 28-29 September 2017, Bucharest, Romania.

Gina Cecilia Pistol, Mihai Laurentiu Palade, Veronica Chedea, Iulian Grosu, Daniela Eliza Marin, Mariana Stancu and Ionelia Taranu. 2017. THE EFFECTS OF GRAPE WASTE BIOACTIVE COMPOUNDS ON THE IMMUNE RESPONSE AND OXIDATIVE STRESS IN PIG KIDNEY. 14th International Symposium of Animal Biology and Nutrition, 28-29 September 2017, Bucharest, Romania.

TARANU Ionelia, PISTOL Gina Cecilia, MARIN Daniela Eliza, Mihai PALADE, CHEDEA Veronica, Iulian Grosu and STANCU Mariana. 2017. 11th World Congress on Polyphenols Applications, University of Vienna, June 20 - 21, 2017, Austria.

Iulian Alexandru Grosu, Mihai Laurentiu Palade, Gina Cecilia Pistol, Daniela Eliza Marin, Ionelia Taranu, *The impact of dietary grape seed meal on healthy and Aflatoxin afflicted weaned pigs microbiota*, The 12th world congress on Polyphenols Applications, Bonn, Germany, 25-28 September, 2018

Iulian Alexandru Grosu, *The impact of dietary grape seed meal on weaning piglets microbiota*, 15th International Symposium of Animal Biology and Nutrition, 26-27 September 2019

PALADE, Laurentiu Mihai, PERTEA, Ana-Maria, MARIN, Daniela Eliza, GROSU, Iulian Alexandru, STANCU, Mariana, TARANU, Ionelia. *Comparative efficacy of agricultural byproducts in sequestering aflatoxin B1 and zearalenone: grape seed and seabuckthorn meals*. 13th World Congress on Polyphenols Applications, 30 September - 1 October, Valletta, Malta, 2019

Ionelia TARANU, Daniela Eliza MARIN, Mihai Laurentiu PALADE, Gina Cecilia PISTOL, Iulian Alexandru GROSU, Ana Maria PERTEA. *Exploiting the effect of grape seed waste bioactive compounds on the gut-associated lymphoid tissue of weaned pigs exposed to aflatoxin B1*. 6-8 May, 41st Mycotoxin Workshop, Lisbon, 2019.

Publications

Marian BUTU, Iulian GROSU, Steliana RODINO, Alina BUTU, Biodiesel production using calcium-based solid catalysts, Banat's Journal of Biotechnology, VOL 7, IV(1), 1-11, 2013

Alexandru Iulian Grosu, Oana Ciobotaru, Andreea Dobre, Calina Petruta Cornea, *Fusarium spp. mycotoxin contamination – toxicity and its management by biological control strategies*, Lucrari Stiintifice Zootehnie si Biotehnologii vol.47 No.1 2014

Iulian GROSU, Florentina ISRAEL-ROMING, Oana-Alina SICUIA, Florica CONSTANTINESCU, Gabriela POPA, Călina Petruta CORNEA, *EFFECT OF SOME BACTERIAL ANTAGONISTS ON GROWTH AND MYCOTOXIN PRODUCTION OF FUSARIUM GRAMINEARUM AND FCULMORUM ISOLATES*, Scientific Bulletin. Series F. Biotechnologies 2014

Alexandru Iulian GROSU, Oana-Alina SICUIA, Dobre Andreea, Călina Petruța CORNEA, *Evaluation of Some Bacillus spp. Strains for the Biocontrol of Fusarium graminearum and F. culmorum in Wheat*, Agriculture and Agricultural Science Procedia (2015) pp. 559-566

Grosu Iulian Alexandru, Siciua Oana Alina, Voaides Catalina, Dobre Andreea, Cornea Calina Petruta, *The biocontrol of Fusarium spp. with local isolates of Bacillus spp. strains*, European Biotechnology Congress 2015

Palade LM, Habeanu M, Marin DE, Chedea VS, Pistol GC, Grosu IA, Gheorghe A, Ropota M, Taranu I., *Effect of Dietary Hemp Seed on Oxidative Status in Sows during Late Gestation and Lactation and Their Offspring*. Animals (Basel). 2019 Apr 25;9(4). pii: E194. doi: 10.3390/ani9040194.

Grosu, I., Pistol, G., Taranu, I., & Marin, D. (2019). The Impact of Dietary Grape Seed Meal on Healthy and Aflatoxin B1 Afflicted Microbiota of Pigs after Weaning. *Toxins*, 11(1), 25.

Grosu, I. A., Pistol, G. C., Marin, D. E., Cișmileanu, A., Palade, L. M., & Țăranu, I. (2020). Effects of dietary grape seed meal bioactive compounds on the colonic microbiota of weaned piglets with Dextran Sodium Sulfate-induced colitis used as an inflammatory model. *Frontiers in Veterinary Science*, 7.

Conferences

Carmen MANOLE, Iulian GROSU, Steliana RODINO, Alina BUTU, Evaluarea in vitro a efectului antibacterian al unor uleiuri volatile din plante, Sesiunea Stiintifica Anuala a INCDSB, 14 Noiembrie 2012, Bucuresti

RODINO Steliana, GROSU Iulian, MANOLE Carmen, BUTU Marian, FIDLER Georgeta, BUTU Alina, Screening of the extraction methods for obtaining some indigenous plant extracts with antifungal activity, Conference on Integrative Biology in Plants, Microorganisms and the Environment (SysBioLux), Luxembourg, Noiembrie 2012

Alexandru Iulian Grosu, Oana Ciobotaru, Andreea Dobre, Calina Petruta Cornea, *Fusarium spp. mycotoxin contamination – toxicity and its management by biological control strategies*, Lucrari Stiintifice Zootehnie si Biotehnologii vol.47 No.1 2014

Iulian GROSU, Florentina ISRAEL-ROMING, Oana-Alina SICUIA, Florica CONSTANTINESCU, Gabriela POPA, Călina Petruta CORNEA, *EFFECT OF SOME BACTERIAL ANTAGONISTS ON GROWTH AND MYCOTOXIN PRODUCTION OF FUSARIUM GRAMINEARUM AND FCULMORUM ISOLATES*, Scientific Bulletin. Series F. Biotechnologies 2014

Alexandru Iulian GROSU, Oana-Alina SICUIA, Dobre Andreea, Călina Petruța CORNEA, *Evaluation of Some Bacillus spp. Strains for the Biocontrol of Fusarium graminearum and F. culmorum in Wheat*, Agriculture and Agricultural Science Procedia (2015) pp. 559-566

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Gina Cecilia Pistol, Mihai Laurentiu Palade, Veronica Chedea, Iulian Grosu, Daniela Eliza Marin, Mariana Stancu and Ionelia Taranu. 2017. THE EFFECTS OF GRAPE WASTE BIOACTIVE COMPOUNDS ON THE IMMUNE RESPONSE AND OXIDATIVE STRESS IN PIG KIDNEY. 14th International Symposium of Animal Biology and Nutrition, 28-29 September 2017, Bucharest, Romania.

TARANU Ionelia, PISTOL Gina Cecilia, MARIN Daniela Eliza, Mihai PALADE, CHEDEA Veronica, Iulian Grosu and STANCU Mariana. 2017. 11th World Congress on Polyphenols Applications, University of Vienna, June 20 - 21, 2017, Austria.