



Europass Curriculum Vitae



Personal information

First name/Surname **Simona Gavrilas**
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E-mail simona.gavrilas@uav.ro
Nationality Romanian
Date of birth
Gender Female

General work experience

Dates **Oct. 2017-today**
Occupation or position held Lecturer
Main activities and responsibilities Teaching and research activities
Name and address of employer „Aurel Vlaicu” University of Arad, 77 Revoluției Bvd.
Type of business or sector Higher education
Dates **Feb. 2008-Oct. 2017**
Occupation or position held Junior lecturer
Main activities and responsibilities Teaching and research activities
Name and address of employer „Aurel Vlaicu” University of Arad, 77 Revoluției Bvd.
Type of business or sector Higher education
Dates **Apr. 2006-Feb. 2008**
Occupation or position held Engineer
Main activities and responsibilities Chemical evidence; devices operating
Name and address of employer „Aurel Vlaicu” University of Arad, 77 Revoluției Bvd.
Type of business or sector Higher education

Specific professional experience

Dates **01.11.2023-31.10.2026**
Occupation or position held *Partner implementation responsible: ERASMUS+ Project* 2023-1-DE01-KA220-HED-000166720-*The Future of Precision Agriculture-Machine Learning for Autonomous Decision Mechanism- "SMART Farming"*
Main activities and responsibilities Specific prospecting actions in the field of precision agriculture.
Name and address of employer "Aurel Vlaicu" University from Arad
Type of business or sector Erasmus+ Youth Program, KA220-Higher Education
Dates **01.07.2022-31.12.2024**
Occupation or position held *Team member: Cell-penetrating peptides-containing systems as a potential platform for the use in breast and prostate cancer treatment* **PN-III-P4-PCE-2021-0639**
Main activities and responsibilities chemistry researcher

Name and address of employer "Aurel Vlaicu" University of Arad
Type of business or sector research
Dates **01.03.2021-31.12.2022**
Occupation or position held *Team member: The impact of abiotic and biotic stress on plants due to climate change, PN-III-P4-ID-PCE-2020-0410*

Main activities and responsibilities researcher in biotechnology for agriculture
Name and address of employer "Aurel Vlaicu" University of Arad
Type of business or sector research
Dates **06.04.2020-05.04.2022**
Occupation or position held *Partner implementation responsible: Project 2019-3-TR01-KA205-080177-"Green Thinking Entrepreneur Youth"*

Main activities and responsibilities Young entrepreneurs ecological thinking formation
Name and address of employer "Aurel Vlaicu" University from Arad
Type of business or sector Erasmus+ Youth Program, Măsură: KA205-Strategic partnerships
Dates **01.05.2020-30.11.2020**
Occupation or position held *Project team member: Environmental quality assessment laboratory for student practice, CNFIS-FDI-2020-0178*

Main activities and responsibilities Full time expert
Name and address of employer "Aurel Vlaicu" University from Arad
Type of business or sector Institutional development
Dates 12.11.-10.12.2019
Occupation or position held *Director of the project: PN-III-P1-1.1-MC-2019-2082*

Main activities and responsibilities Studying the influence of enzymes on natural fibers-Mobility at Minho University of Braga, Portugal
Name and address of employer "Aurel Vlaicu" University from Arad
Type of business or sector research
Dates 29.06-10.07.2018
Occupation or position held *Director of the project: PN-III-P1-1.1-MC-2018-0469*

Main activities and responsibilities 18 SGEM Conference mobility
Name and address of employer "Aurel Vlaicu" University from Arad
Type of business or sector research
Dates 2018-2020
Occupation or position held *Team member: Closing the bioeconomy value chains by manufacturing market demanded innovative bioproduct, PN-III-P1-1.2-PCCDI-2017-0569*

Main activities and responsibilities Increase the impact of research and development activities and innovation of the RDI.
Name and address of employer "Aurel Vlaicu" University from Arad
Type of business or sector research
Dates **31.01.-02.03.2018**
Occupation or position held *Director of the project: PN-III-P1-1.1-MC-2017-2337*

Main activities and responsibilities Biosensor design-Mobility at University of Perpignan Via Domitia, Perpignan, France
Name and address of employer "Aurel Vlaicu" University from Arad
Type of business or sector research
Dates **2017-2018**
Occupation or position held *Team member: PN-III-P3-3.1-PMRO-FR-2016-0030" Winemaking by-products applications for wastewater treatment"*

Main activities and responsibilities Experimental research activities aimed to establish new methods for wastewaters treatment
Name and address of employer "Aurel Vlaicu" University from Arad
Type of business or sector research
Dates **01.09.-30.11.2016**

Occupation or position held *Education expert:* CNFIS-FDI-2016-0046 Project, “Methods to ensure equity in education and access increases to higher education”

Main activities and responsibilities Designing a practical guide for tutors.

Name and address of employer ”Aurel Vlaicu” University from Arad

Type of business or sector **01.03.-30.11.2016, 01.05.-31.10.2017**

Occupation or position held *Research assistant in chemistry:* PN-II-RU-TE-2014-4-1370 Project, ”Environment-friendly technologies for the treatment of cellulosic, lignocellulosic and mixture of those materials”

Main activities and responsibilities Experimental and applied research activities aimed to establish enzymatic treatment technologies for cellulosic, lignocellulosic and mixtures materials.

Name and address of employer ”Aurel Vlaicu” University from Arad

Type of business or sector research

Dates **04.08-29.12.2015**

Occupation or position held *TG Expert:* CONPRACTIS/POSTRU/189/2.1/G/156607

Main activities and responsibilities Recruitment, enrollment, selection, maintenance and tracking the target group

Name and address of employer ”Aurel Vlaicu” University from Arad

Type of business or sector Human Resource Development

Dates **2015**

Occupation or position held *Team member*

Main activities and responsibilities Biodiversity and species with high functional nutraceutical value

Name and address of employer Consiglio Nazionale delle Ricerche-Istituto di Bioscienze e Bioresorse-(IBBR-CNR) Basilicata-Italy

Type of business or sector research

Dates **01-30.06.2011**

Occupation or position held *Interviewer:* “VIA-Vocation, Interests, Self development, path to professional success”, POSDRU/90/2.1/S/63742

Main activities and responsibilities Selection of members from the target group by applying a specific questionnaire

Name and address of employer S.C. Profiles International S.R.L.

Type of business or sector Human Resource Development

Dates **16.03-16.04.2010, 15-31.10.2010**

Occupation or position held *Field interviewer:* Study on socio-professional insertion of graduates of technical and vocational education, POSDRU/22/2.1/G/39218

Main activities and responsibilities applying a specific questionnaire

Name and address of employer CJRAE Arad

Type of business or sector Human Resource Development

Dates **15.03-15.05.2009**

Occupation or position held *Director of the project: Grant COST-STSM-928-04562, Utilisation of different types of laccase for improving food quality;*

Main activities and responsibilities Laccase biosynthesis using different types of fungi and their application to improve food quality

Name and address of employer University of Natural Resources and Life Sciences, Vienna

Type of business or sector research

Dates **2008-2009**

Occupation or position held *Team member:* New Biomaterials by Enzyme Immobilization in/on Cryogel-Based Macroporous Carriers (#07-03-91682 RA_a)

Main activities and responsibilities laccase immobilization on PVA cryogel carrier and specific activity determination, depending on the considered substrate

Name and address of employer ”Aurel Vlaicu” University from Arad

Type of business or sector research

Dates **2007**

Occupation or position held *Team member:* New process for obtaining fructose, a natural sweetener with high quality for obese and diabetics. Grant C.N.C.S.I.S. cod 244

Main activities and responsibilities setting the conversion degree of glucose to fructose by enzymatic catalysis
Name and address of employer "Aurel Vlaicu" University from Arad
Type of business or sector research

Education and training

Dates **2020-2022**
Title of qualification awarded Master in the science of education
Principal subjects/occupational skills covered Early education and schooling psychopedagogy
Name and type of organisation providing education and training „Aurel Vlaicu” University of Arad
Faculty of Educational Sciences, Psychology, and Social Work
Dates **2017-2020**
Title of qualification awarded Licensed in
Principal subjects/occupational skills covered Pedagogy of Preschool and Primary Education
Name and type of organisation providing education and training „Aurel Vlaicu” University of Arad
Faculty of Educational Sciences, Psychology, and Social Work
Dates **02.12-17.12.2015**
Title of qualification awarded Project manager
Principal subjects/occupational skills covered Purpose and objectives of the project specifications, the criteria for success of the project, specific activities staggering and time estimation and providing the resources needed for the project, estimating and cost budgeting.
Name and type of organisation providing education and training DOCEO Association, Dr. Tr. Severin, MH
Dates **07.10-25.10.2015**
Title of qualification awarded Trainer
Principal subjects/occupational skills covered Planning and preparation of the training, development of training activities, assessment of trainees, application methods and special techniques of training, marketing training, design training programs, events and training sessions, evaluation, review and quality assurance programs and training sessions
Name and type of organisation providing education and training DOCEO Association, Dr. Tr. Severin, MH
Dates **02-08.2015**
Title of qualification awarded Teaching and research training
Principal subjects/occupational skills covered Training programs for university didactic and pedagogy, and advanced research modules
Name and type of organisation providing education and training „UNIVERSITARIA-Școală de didactică universitară și cercetare științifică avansată” POSDRU/157/1.3/S/135590”, West University” from Timisoara,
Dates **February 2015**
Title of qualification awarded Internal Food Safety Management System Aditor
Principal subjects/occupational skills covered according to the European Standard EN ISO 22000:2005 and to the European Standard EN ISO 19011:2011
Name and type of organisation providing education and training TÜV Rheinland România Training Competence Center
Dates **June 2014**
Title of qualification awarded Assistant for Food Safety Management Systems
Principal subjects/occupational skills covered according to the European Standard EN ISO 22000:2005
Name and type of organisation providing education and training TÜV Rheinland România Training Competence Center
Dates **February 2014**
Title of qualification awarded Specialist for Quality Management Systems

Principal subjects/occupational skills covered	according to the European Standard EN ISO 9001:2008
Name and type of organisation providing education and training	TÜV Rheinland România Training Competence Center
Dates	Nov. 2008-Jan. 2014
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Chemical engineer
Name and type of organisation providing education and training	Politehnica University of Bucharest, Faculty of Applied Chemistry and Material Science
Dates	06-08.2013
Title of qualification awarded	Postgraduate
Principal subjects/occupational skills covered	Didactics of Technical Subjects
Name and type of organisation providing education and training	Calitate, Inovare, comunicare în sistemul de formare continuă a didacticienilor din învățământul superior“, POSDRU/87/1.3/S/63709, ”Politehnica” University from Bucharest
Dates	02.09.2012
Title of qualification awarded	Tutorial session
Principal subjects/occupational skills covered	”21 st -century Enzymology”
Name and type of organisation providing education and training	4 th European Conference on Cheminty for Life Science, Eötvös Loránd University, Budapest
Dates	07.09.2011
Title of qualification awarded	Summer school
Principal subjects/occupational skills covered	Thermal analysis and calorimetry
Name and type of organisation providing education and training	CEEC-TAC1
Dates	Nov. 2005-Apr. 2007
Title of qualification awarded	Master Degree
Principal subjects/occupational skills covered	Food Quality Management
Name and type of organisation providing education and training	„Aurel Vlaicu” University of Arad Faculty of Food Engineering Tourism and Environmental Protection
Dates	Oct. 2000-Iun. 2005
Title of qualification awarded	Engineer diploma
Principal subjects/occupational skills covered	Food Technology and Quality Control
Name and type of organisation providing education and training	Aurel Vlaicu” University of Arad Faculty of Food Engineering Tourism and Environmental Protection
Dates	1996-2000
Title of qualification awarded	High school Diploma
Principal subjects/occupational skills covered	Programmer analyst support
Name and type of organisation providing education and training	Economic-Administrative School Group Arad

Personal skills and competences

Mother tongue(s) romanian

Other language(s)	Understanding		Speaking		Writing
Self-assessment	Listening	Reading	Spoken interaction	Spoken production	
European level (*)					
English	B2	B2	B2	B2	B2

(*) [Common European Framework of Reference for Languages](#)

Communication skills *Good communication skills, gained by experience teaching.
Team spirit acquired in scientific research contracts.
Ability to adapt to different social and cultural environments, achieved through collaboration with foreign institutions*

Organisational/managerial skills *Organizational skills with experience in logistics, organizing management student admission, scientific events (contest for high school students), and guidance for technological students practice.
Experience in project management gained from research programs on which I was a member of the research team or director (Grant COST 928-STM)*

Job-related skills Specialist areas: technology and food control management, food applications of biotechnology in food

Computer skills and competences European Computer Driving Licence, Fox Pro

Driving license B

ADDITIONAL INFORMATION 25-ISI articles
4-ISI Proceeding articles
Over 30-IDB article
2 book chapters published in an international publishing house
Member of the *Journal of Natural Fibers* Editorial Board
Reviewer within the National Assessment Process of:
• "The National Program for the Reduction of School Dropouts-round 1-2022; round 2-2023";
• PNRR-DOTĂRI-2023, "Equipping with furniture, teaching materials and digital equipment of pre-university education units and related units"
Reviewer for different MDPI Journals: Sustainability, Nutraceutical, Nutrients, Plants, Molecules, International Journal of Environmental Research and Public Health
Teacher evaluator in the National Register of the Romanian Agency for Quality Assurance in Higher Education in the field of Food Engineering.

Annex: list of scientific papers