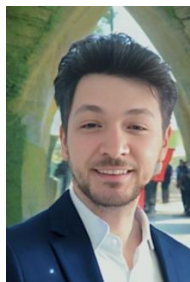




Curriculum vitae

Europass



Personal information

Name / First name **ONIȘAN GRIGORE EMILIAN**
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Nationality(ies) **ROMANIAN**
Date of birth **01.08.1992, Baia Mare**
Sex **MALE**
Google Scholar : https://scholar.google.com/citations?user=_aObT5gAAAAJ&hl=ro
WOS account: <https://www.webofscience.com/wos/author/record/KDN-2754-2024>
ORCID account: <https://orcid.org/0009-0003-6288-8738>

Professional experience

Period **2024 –present**
Function or post held **University Assistant, University of Life Sciences “King Mihai I” from Timisoara, Faculty of Agriculture**
Disciplines: Genetics, Plant Breeding, Molecular Biology
University Assistant, West University of Timisoara, Faculty of Chemistry, Biology and Geography
Disciplines: Genetics, Molecular Biology, Genomics

Research Director Contracts **Research Director Contract – 18.000 Euro - 2025-2026 – 6878/02.07.2025- USVT- Zanandreasementi**
<https://zanandreasementi.it/en/> Application of biotechnological methods for the development of new *Lolium perenne* lines aimed at obtaining improved cultivars adapted to current conditions.

- Development of New *Lolium perenne* Lines under Field Conditions through Phenotypic Selection and Controlled Isolation
- Application of Modern Biotechnological Methods for the Propagation and Genetic Characterization of Selected Lines.

methods.

Research Director Contract – 12.500 Euro - 2024-2025 – 9577/08/11.2024- USVT- Apsovsementi
<https://www.apsovsementi.com/en> Application of Biotechnological Methods in Sunflower Breeding and Testing the Genetic Purity of Commercial Hybrids

- Application of molecular markers to verify the genetic authenticity of sunflower hybrids.
- Comparison of genetic profiles to confirm the stability and uniformity of commercial hybrids.
- Correlation of obtained results with phenotypic and agronomic data to validate the effectiveness of the applied methods.

Name and address of employer **COMPANY -S&W SEED COMPANY US -Szeged, Hungary**

Period **2020-2021**

Function or post held **SUNFLOWER Breeder**

Main activities and responsibilities

- Molecular technologies and strategies to optimize cost-effective molecular screening.
- Coordination and management of the research team in the sunflower studies department.
- Development of hybrids and inbred sunflower lines, targeting international markets (EU, Ukraine, Russia, USA).
- Develop and implement a comprehensive crossbreeding plan for the continued development of the research line.
- Generating new germplasms (new populations)
- Analysis and performance of sunflower hybrids.
- Initiating and facilitating complex research projects for continuous innovation.
- Evaluation of the level of resistance to the pathogens *Orobanche cumana* and *Plasmopara halstedii* for sunflower genotypes

Type of business or sector **SAATEN-UNION, Lovrin, Timiș, Romania**

Period **2016-2019**

Function or post held **JUNIOR SUNFLOWER BREEDER**

Main activities and responsibilities	<ul style="list-style-type: none"> • Implementation of molecular strategies • Creation of restoration lines "Rf lines" (crosses, analysis of Rf1 and Rf3 markers) • Creation of "B-lines" and increasing variability • Creation of CMS "A-lines" (backcross A+B, evaluation of line combining ability, MM for genetic purity, etc.). • Monitoring and maintenance of the second research field in Drajna (<i>Orobanche cumana</i> natural infestation field)
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Education and training

Period	1.10 2019- 1.08.2023
Qualification / diploma obtained	Doctor of Horticulture /PhD degree
Principal subjects studied / professional competences	Genetics, Plant Breeding, Biotechnology, Development of inbred sunflower lines derived from interspecific populations Title of thesis: „ Utilizarea Biotehnologiei in Ameliorarea Florii-Soarelui”
Name and type of educational institution/training provider	"King Michael I" University of Life Sciences in Timisoara
Level in national or international classification	Postgraduate studies
Period	2017-2019
Qualification / diploma obtained	Master's degree - SEED PRODUCTION AND PLANT BREEDING / Master's degree
Principal subjects studied / professional competences	Molecular biology, plant breeding, plant pathology, statistical analysis, plant crop management, seed production - Pre-basic, basic and certified seed production, biotechnology, legislation for hybrid registration.
Name and type of educational institution/training provider	"King Michael I" University of Life Sciences in Timișoara
Level in national or international classification	Postgraduate studies
Period	2013-2017
Qualification / diploma obtained	Field of Horticulture, Specialization Genetic Engineering, Agricultural engineer/ Graduation diploma
Principal subjects studied / professional competences	Botany, Tractors and Agricultural Machinery, Agrochemistry, Agrotechnics, Plant Physiology, Genetics, Plant Pathology, Entomology, Experimental Engineering, Plant Breeding, Plant Breeding, Plant Breeding, Plant Breeding, Viticulture, Pomiculture, Vegetable Growing, Crop Irrigation, Management, Marketing, Agricultural Economics, Animal Husbandry, Molecular Biology, Biotechnology, etc.
Name and type of educational institution/training provider	"King Michael I" University of Life Sciences in Timisoara
Level in national or international classification	Higher education institution
Period	2013-2020
Qualification / diploma obtained	QUALIFICATION IN PEDAGOGY LEVEL I AND LEVEL II
Principal subjects studied / professional competences	Pedagogy I: Fundamentals of Pedagogy; Theory and Methodology Pedagogy II: Theory and Methodology of Instruction Theory and Methodology Computer-aided training Pedagogical practice in compulsory pre-university education Specialization teaching Classroom management Pedagogical practice in compulsory pre-university education
Name and type of educational institution/training provider	"King Michael I" University of Life Sciences in Timisoara
Level in national or international classification	Higher education institution
Period	2018-2019
Qualification / diploma obtained	BREEDING QUALIFICATION/COURSE
Principal subjects studied / professional competences	Breeding of sunflowers, maize, oilseed rape, lucerne, sorghum, vegetables and medicinal plants. Field management research and statistical analysis , Molecular biology and biotechnology.
Name and type of educational institution/training provider	Plant Research Institute of NOVI SAD
Level in national or international classification	Qualification course
Skills and competences staff	
Mother tongue(s)	Romanian
Foreign language(s) known	English (C1), Italian (B1), Franch (A2)

social skills and competences	<p>Conflict resolution: The ability to manage and resolve conflict in a constructive way is essential to maintaining healthy relationships. This involves skills such as active listening, non-violent communication and finding wise solutions.</p> <p>Teamwork: Social skills are essential in teamwork environments. The ability to collaborate, share knowledge and contribute to common goals are key aspects of success in collective projects.</p>
Skills and competences organizational	<p>Time management: Ability to organize time according to priorities in order to be efficient and achieve goals.</p> <p>Planning: Planning skills that involve identifying the tasks required, determining the resources needed and drawing up a detailed plan.</p> <p>Space organization: Space organization skills in creating an efficient and harmonious working environment.</p> <p>Resource management: The ability to manage available resources such as money, materials or people correctly and efficiently.</p>
User skills and competences of the computer	<p>Editor: Microsoft Office (Word, Excel, PowerPoint): Strong skills in using the Microsoft Office suite, including creating and formatting documents in Word, managing data and making presentations in Excel and PowerPoint.</p> <p>Design: Adobe Photoshop: Experience using Adobe Photoshop to create and edit images and digital graphics.</p> <p>Operating Systems: Microsoft XP / Vista / Windows 7: Knowledge of Microsoft operating systems including XP, Vista and Windows 7.</p> <p>Statistics: RStudio, SPSS: Skills in using statistical analysis tools, such as RStudio and SPSS, to analyze and interpret data</p>
Driving licence(s)	<p>Category B obtained in 2018, C+E obtained in 2023: Possession of driving license categories B and C, which allows the driving of personal vehicles and larger agricultural vehicles. Experience in carrying out soil works and treatments with tractors of 25-65 hp capacity: Practical experience in using tractors to carry out various soil works and agricultural treatments, with the ability to operate tractors of various capacities.</p>
Further information	<p>Research activity materialized in the publication of 9 ISI papers and 18 BDI papers carried out within the framework of:</p> <p>ORCID account: https://orcid.org/0009-0003-6288-8738</p> <ul style="list-style-type: none"> - PROINVENT project - Programme for increased performance and innovation in doctoral and postdoctoral research of excellence - PROINVENT" Contract no: 62487/03.06.2022 POCU/993/6/13 - SMIS Code: 153299 - ERASMUS+ mobility at the Institute of Biological Ceramics, Szeged (2020) - Research Director Contract – 12.500 Euro - (2024-2025) - Application of Biotechnological Methods in Sunflower Breeding and Testing the Genetic Purity of Commercial Hybrids

