



## Curriculum vitae Europass



### Personal information

Last name / First name **TICAN Andreea-Marinela**  
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E-mail tican\_andreea@yahoo.com  
Nationality Română  
Birthday 06.04.1982  
Sex Female

### Professional experience

Period 04.2021-present  
Function or position held Position: Scientific Researcher I  
Department: Vegetal Tissue Cultures  
Main activities and responsibilities

- experience *in vitro* multiplication technique, to obtain an initial material suitable from a phytosanitary point of view, material used as a starting point in the national seed potato production system.
- participation in activities within the seed potato production program;
- concern for professional training and improvement of learned work techniques;
- providing plant material for testing and verification;
- research works on the application of hydroponic and aeroponic cultivation methods, as alternative methods, in optimizing the production of minitubers;
- participation in studies of *in vitro* initiation and multiplication for other species (aromatic herbs, sweet potato, oak), besides potato

Name and address of employer National Institute for Research and Development for Potato and Sugar Beet (NIRDPSB) Brasov, Fundăturii Street no. 2, postal code 500470, Brasov, România

Type of activity or sector of activity Agriculture

Period 08.2018-03.2021  
Function or position held Position: Scientific Researcher II  
Department: Vegetal Tissue Cultures

Period 08.2012–07.2018  
Function or position held Position: Scientific Researcher III  
Department: Vegetal Tissue Cultures

Period 08.2008-2012  
Function or position held Position: Scientific Researcher  
Department: Vegetal Tissue Cultures

Period 08.2007-08.2008

Function or position held Position: scientific assistant  
Department: Vegetal Tissue Cultures

Period 06.2006-08.2007

Function or position held Position: debutant  
Department: Vegetal Tissue Cultures

### Education and training

Period 2013

Professional training courses Trainer course

Name of institution S.C. Versus Project S.R

Period In 2009 (2 months), in 2008 (2 months) and in 2007 (3 months);

Professional training courses *In vitro* potato micropropagation technique

Name of institution Station de Haute Belgique Libramont, Belgia

Period 2007- 2010

Qualification / diploma obtained PHD degree

Main disciplines studied / professional skills acquired Thesis title:  
Efficiency of seed potato production, through using of *in vitro* techniques”

Name and type of educational institution/training provider University of Agronomic Sciences and Veterinary Medicine, Bucharest  
Faculty of Horticulture

Period 2007

Name and type of educational institution University of Agronomic Sciences and Veterinary Medicine, Bucharest

Specialization Project management in agricultural research

Period 2004-2006

Qualification / diploma obtained Dissertation diploma

Main disciplines studied / professional skills acquired Master in “**Chemistry Applied in Environment and Industry**”

Name and type of educational institution/training provider “Transilvania” University Brasov, Faculty of Materials Science and Engineering

Period 2000-2004

Qualification / diploma obtained Bachelor's degree in chemistry physics

Name and type of educational institution/training provider “Transilvania” University Brasov,  
Faculty of Mathematics - Computer Science, Physics - Chemistry  
Specialization

### Personal skills and competencies

Native language Romanian language

Foreign language(s) known	English, French
Social skills and abilities	Communication skills, team spirit, both responsible and sociable.
Organizational skills and abilities	I collaborate well with colleagues and superior; I carry out the tasks received with great promptness and on time
Technical skills and abilities	<p>Specific works of the Plant Tissue Culture Laboratory, which consisted of: obtaining a virus-free biological material by using the <i>in vitro</i> technique, having as a starting point the meristem culture;  Experience <i>in vitro</i> multiplication technique, to obtain a phytosanitary appropriate initial material, material used as a starting point in the national seed potato production system; experience in applying chemotherapy to <i>in vitro</i> potato cultures.</p> <p>Research papers on the use of unconventional methods for obtaining somaclonal variations, through callus extraction.  Research work to identify valuable genotypes with high yield in the microtuberization process.  Research work on the induction of water stress <i>in vitro</i> by applying different osmotic agents in the nutrient medium, establishing the effect of salinity on the growth and development of vitroplants and on microtuberization.  To identify varieties capable of capitalizing on limited food resources, we conducted research to establish the effect of nitrogen and potassium concentrations in the nutrient medium compared to the Murashige Skoog medium, results that can be used to identify varieties for cultivation in conditions of suboptimal soil fertilizer supply.  Research work on the application of hydroponic and aeroponic cultivation methods, as alternative methods, in optimizing the production of minitubers.  Experience in the use of research equipment and instruments, statistical interpretation of results.</p>
Computer skills and abilities	MS Office (Word, Excel, Power Point), Internet explorer, Corel, MSTAT-C, SPSS, ANOVA
Research contracts/Project Director (Responsible)	<p><b>PN 23 19 01 01:</b> Cercetări privind creșterea performanțelor procesului de producere a minituberculilor de cartof prin utilizarea unui sistem aeroponic inteligent</p> <p><b>ADER 5.1.2</b> Cercetări privind producerea de minituberculi în condiții de izolare specifice</p> <p><b>PN18-29-01-02</b> Elaborarea unei metodologii de producere a minituberculilor de cartof prin aplicarea unui sistem inovativ de cultură aeroponic</p> <p><b>PN 16-12-01-02:</b> Elaborarea unei tehnologii inovative de multiplicare rapidă optimizată a cultivarelor de cartof prin utilizarea metodei hidroponice de cultură</p> <p><b>PN07-44 / 01 02:</b> Utilizarea metodelor neconvenționale pentru obținerea de variații somaclonale în vederea îmbunătățirii resursei genetice a cartofului pentru crearea de noi soiuri de cartof cu rezistență la boli și dăunători</p> <p><b>Proiect ADER 2.2.1.</b> Optimizarea și modernizarea sistemului de producere a cartofului pentru sămânță din categorii biologice superioare prin eliminarea riscului de contaminare cu organisme dăunătoare de carantină și identificarea de soiuri / linii noi de cartof rezistente la nematozii cu chiști ai cartofului <i>Globodera spp.</i> (populații europene)</p> <p><b>Contract 857/28.11.2018</b> Service contract between INCDCSZ Brașov and SCDC Târgu Secuiesc</p>

Member of the research team in research contracts

**24 projects**

Membership in prestigious national and international academies, organizations, professional associations, membership in organizations in the field of education and research

Member of the scientific council of INCDCSZ Braşov din 7.12.2015.  
Member in Romanian Horticultural Society, Braşov Branch since October 2023  
ASAS Associate Member since 2024

Recognition and impact of the activity:

53 citations in ISI journals, 71 citations in BDI journals, 7 awards.

Published scientific papers:

17 ISI papers as first author, 1 ISI paper as sole author, 14 ISI papers as co-author, 1 ISI paper as corresponding author and co-author; 1 book as first author, 2 brochures as first author, 3 national books as sole author, 1 international book as sole author, 4 books as co-author; co-author of a patent; 29 BDI papers as first author and 35 as co-author; I have 6 oral presentations in plenary sessions; I participated with 24 papers as first author, presented at international conferences (posters) as first author; I published 32 scientific papers as first author published in specialized journals and mid-level and popularization papers.

Additional Information:

Profil Cod UEF-ID Brainmap: U-1700-039J-2403;  
Profil ResearchGate: <https://www.researchgate.net/profile/Tican-Andreea>;  
<https://orcid.org/0000-0003-2100-9576>;  
Profil Google Academic:  
[https://scholar.google.ro/scholar?hl=ro&as\\_sdt=0%2C5&q=tican+andreea&btnG=](https://scholar.google.ro/scholar?hl=ro&as_sdt=0%2C5&q=tican+andreea&btnG=)  
Web of Science ResearcherID: AAD-3787-2021.

Date:  
07.03.2025

Signature:  
Dr. chim. Andreea Marinela Tican