



## Europass Curriculum Vitae



### Personal information

Surname(s) / First name(s) Oroian Ioan Gheorghe

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Nationality Romanian

Date of birth April, 22<sup>nd</sup> 1968

Gender Male

Desired employment / Occupational field University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Faculty of Agriculture/ Teaching-Research

### Work experience

Period	2016 present
Position held	Correspondent member of the Academy of Agricultural and Forestry Sciences "Gheorghe Ionescu i e ti"
Employer	The Academy of Agricultural and Forestry Sciences
Period	2016 – 2020
Position held	President of the Senate of the USAMV Cluj-Napoca
Employer	UASVM Cluj-Napoca, Faculty of Agriculture
Period	2014 – present
Position held	Coordinator of the post graduation course "Rangers, keepers of hunting found and protected areas"
Employer	UASVM Cluj-Napoca, Faculty of Agriculture
Period	2012 – present
Position held	National Authority for qualifications (ANC), Coordinating Expert for the Study Area "Environmental Engineering"
Employer	USAMV Cluj-Napoca
Period	2011 - present
Position held	Director of Department - Environmental Engineering and Protection
Employer	UASVM Cluj-Napoca, Faculty of Agriculture
Period	2010 – present
Position held	Legal Adviser of the "Association of Environmental Protection, Hunting and Fishing – PROMEDIU"
Employer	

Period	2010 - present
Position held	Coordinator of the Master Programme - Protection of Natural and Entropic Systems
Employer	UASVM Cluj-Napoca, Faculty of Agriculture
Period	2009 - present
Position held	Director of Research Center "Center of Advanced Research for Agro-Forestry and Environmental protection"
Employer	UASVM Cluj-Napoca, Faculty of Agriculture
Period	2008 - present
Position held	Ph.D. coordinator, Domain – Agronomy, Plant Protection
Employer	UASVM Cluj-Napoca, Doctoral School of Vegetal and Animals Resources
Period	October 2008 - 2009
Position held	Professor, Vice-Rector USAMV Cluj-Napoca
Employer	UASVM Cluj-Napoca, Faculty of Agriculture
Period	October 2008 - present
Position held	Professor, Plant Protection and Environment, Waste Management, Faculty of Agriculture; Forestry Law and Legislation, Forest Protection, Faculty of Horticulture/Forestry Specialization, UASVM Cluj-Napoca
Employer	
Period	2006 - present
Position held	Responsible for the Programme of Graduation Studies - Environmental Engineering
Employer	UASVM Cluj-Napoca, Faculty of Agriculture
Period	2006 - present
Position held	Manager of the Laboratory of Analyze of the Air Quality
Employer	UASVM Cluj-Napoca, Faculty of Agriculture
Period	October 2006 - October 2008
Position held	Associate Professor - Plant protection and environment, Pesticides - DDD, Waste management, Law and agrarian legislation, Law and environmental legislation/Faculty of Agriculture; Forestry Law and Legislation, Forest Protection, Faculty of Horticulture/Forestry Specialization, UASVM Cluj-Napoca
Employer	
Period	October 2006 - October 2008
Position held	Head of the Unit of Environmental Engineering and Protection, Faculty of Agriculture, UASVM Cluj-Napoca
Employer	
Period	May 2003 – October 2006
Position held	Lecturer - Plant protection, Forestry phytopathology, Pesticides - DDD, Waste management, Law and agrarian legislation, Law and environmental legislation
Employer	UASVM Cluj-Napoca, Faculty of Agriculture
Period	February 2000 - May 2003
Position held	Assistant - Plant protection
Employer	UASVM Cluj-Napoca, Faculty of Agriculture
Period	October 1998 - February 2000
Position held	Ph.D. student, Agrochemistry, Associate teaching staff, Faculty of Agriculture
Employer	UASVM Cluj-Napoca,
Period	1992 - 1998
Position held	Administrative personnel
Employer	Faculty of Agriculture, UASVM Cluj-Napoca
Period	1986-1989
Position held	Technician
Employer	CAP Câmpia Turzii

## Education and training

Period	2010				
Diploma/Qualification	Certificate for the professional qualification of adults – sylviculturist, series G, no. 0088236, Forestry				
Name and type of the institution	Scholar Group N s ud, Bistrița-N s ud Faculty of Agriculture University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca				
Period	2006-2007				
Diploma/Qualification	Master - Plant Protection, MSc Diploma				
Name and type of the institution	Faculty of Agriculture University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca				
Period	1998-2000				
Diploma/Qualification	Doctor in Agronomy - specialization, Agrochemistry, PhD Diploma, with Doctoral Thesis "The influence of the fertilization and phytosanitary chemical treatments on production and disease complex in wheat "				
Name and type of the institution	Faculty of Agriculture University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca				
Period	1998-1999				
Diploma/Qualification	Master - Modern Technologies Specific to Grassland and Crops from the Mountain Areas, Thoroughgoing Studies Diploma				
Name and type of the institution	Faculty of Agriculture University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca				
Period	1992-1997				
Diploma/Qualification	Jurist, BSc Diploma				
Name and type of the institution	Faculty of Law, Dimitrie Canemir University Cluj-Napoca				
Period	1989-1994				
Diploma/Qualification	Engineer, BSc Diploma				
Name and type of the institution	Faculty of Agriculture University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca				
Period	1982-1986				
Diploma/Qualification	Technician, High school Diploma				
Name and type of the institution	Agro-industrial High school				
Personal skills and competences					
Mother tongue(s)	Romanian				
Other language(s)	French, English				
Self-assessment					
European level (*)					
	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
French	Independent user	Independent user	Independent user	Independent user	Independent user
English	Independent user	Independent user	Independent user	Independent user	Independent user

(\*) Common European Framework of Reference for Languages

## Post graduation qualifications

- Certificate of trainer, Specialization programme for personnel trainers, July 2010
- Certificate of Inspector in the field of work health and security, The improving programme in the field of work security and health, 2010
- The training programme Structural funds - Practical aspects concerning the financial management of projects, organized by ANCS Bucharest, February 2010
- The training programme Project Design and Management, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, 2009
- The training programme "Statistics in PT – From homogeneity and stability testing to consensus means and proficiency assessment", organized by "Second Proficiency Conference" in collaboration with CEPROCHIM S.A., University Lucian Blaga, Sibiu, ANCS, and Ministry of Education, Research and Innovation, September 2009
- The training programme Interlaboratory tests, certified reference materials, solvents of high purity, organized by LGC Standards, Romania, Cluj - Napoca, April 2008
- The training programme of continuous formation in specialization THE MONITORING AND IMPLEMENTATION OF THE DIRECTIVE OF NITRATES, University of Agricultural Sciences and Veterinary Medicine, March, Bucure ti, 2007
- The training programme HOW TO WRITE A COMPETITIVE PROPOSAL FROM FRAMEWORK 7 (Fp7) organized by RARMA România in collaboration with HYPERION Ltd. Ireland, July, Timi oara, România, 2007
- The training programme FPS 1 THE PRESENTATION OF THE REQUIREMENTS OF THE SR EN ISO/CEI 170215 : 2005, April RENAR Cluj - Napoca, 2007 The training programme REQUIREMENTS OF THE ISO/CEI 170215 : 2005, RENAR Cluj - Napoca, 2007
- The training programme REQUIREMENTS OF THE ISO 19011 : 2003, Guide for the audit of the systems of quality and environment management, RENAR Cluj - Napoca, 2007
- The training programme the Traceability of the Measurements. The requirements of the EA 4/07 guide, April, RENAR Cluj - Napoca, 2007
- The training programme of continuous formation in specialization FUNCAR EVALUATORS, University of Agricultural Sciences and Veterinary Medicine, April, Bucure ti, 2007
- Certificate of graduation of the training programme ENVIRONMENT PROJECTS – THE EUROPEAN NETWORK NATURE 2000, OPPORTUNITIES AND CONSTRAINTS FOR BUSINESS AND DEVELOPMENT, May, Cluj – Napoca, 2007
- IFANOS Landschaftsökologie Röttenbach, Germany, 2006
- The Romanian Standard ASRO Programme – Environmental management systems SR EN ISO 14001, 2006
- Belgium, The Faculty of Agriculture Gembloux, 2005
- EU Programme: "The Development and Consolidation of the managerial and administrative performances of the University and SME employees, according to the common target of these organizations in the context of regional development", 2004
- The training programme for auditors for the Systems of Environmental Management according to the requirements ISO 14001 : 2004, AJA Ltd. UK, May Cluj – Napoca, 2004
- October, Certificate of professional abilities of the specialists employed by the economical agent for the activity of utilization of phytosanitary products from the groups of toxicity I - IV, no. 407/29.10.2003, the Department of Agriculture and rural Development, Cluj, The Phytosanitary Department Cluj, 2003

## Social skills and competences

- Consultancy, assessment, management and monitoring national projects
- Informatics (Computer skills: PhotoExpres, QuarkExpres, Photoshop, Acces, Windows, Excel, PowerPoint, etc)
- Personnel training by national projects
- Juridical consultancy and expertise
- Consultancy on technological transfer programmes
- Organization of reunions of information and promoting the technological transfer
- Organizations of symposiums, conferences, workshops, round tables

## Scientific and research activity

357 published scientific papers, 30 ISI quoted/indexed, and 329 indexed in international data bases (BDI).

## Books and textbooks

34 scientific books/university textbooks/treatises

<p>Doctoral thesis</p> <p>Scientific and research-innovation and human resources development projects</p>	<p>Coordinator of 19 defended doctoral thesis, and 6 doctoral thesis in coordination.</p> <p>The management of 24 projects coordinated as director/responsible of project, of which 2 international projects (ASO, COST)</p> <p>Member/expert of the implementation team of 17 projects, of which 2 international (NTERREG, Leonardo da Vinci)</p>
<p>Patents of invention</p>	<p><u>2 Patents:</u> Device for spores collection - no. 122933, 2010 A.Odagiu, I. Oroian, C.P. Racz, L. Paulette, I. Covrig, I. T ut, D. Bordea, Technology for seleium enrichment in garlic, – no. 129527; 2 Odagiu A.C.M., Oroian I., Racz C.P., Paulette L.E., Covrig I., Taut I., Bordea D. – Technology of organic selenium enrichment of garlic - no. 129527.</p> <p><u>3 Applications for patents of invention:</u> - 1. I. Oroian, C.P. Racz, L. Paulette, A.Odagiu, P. Burduhos, C-tin. Mihai-Oroian, Technology for hydroponic cultivation of garlic – no. A/10038/13.12.2012; 2 Odagiu A.C.M., Oroian I., Racz C.P., Paulette L.E., Covrig I., Taut I., Bordea D. – Technology of organic selenium enrichment of garlic - no. A/10040/13.12.2012; 3. C.P. Racz, I. Oroian, A.Odagiu, L. Paulette, L. Holonec, C. Iederan, I. Bra ovean, Selenium enriched nutraceutical compound, – no. A/10039/13.12.2012</p>
<p>Prizes and distinctions</p>	<ul style="list-style-type: none"> <li>➤ Diploma of Excelence and Gold Medal of the International Invention Salon "ProInvent", Cluj-Napoca, the XXIV<sup>th</sup> Edition, 2016, for the patent proposal Technology of organic selenium enrichment of garlic, – patent aplicacion no. A/10040/13.12.2012</li> <li>➤ Diploma of Excelence and Gold Medal of the International Invention Salon "ProInvent", Cluj-Napoca, the XXIII<sup>th</sup> Edition, 2015, for the patent proposal Technology for hydroponic cultivation of garlic, – patent aplicacion no. A/10038/13.12.2012</li> <li>➤ Diploma of Excelence and Gold Medal of the International Invention Salon "ProInvent", Cluj-Napoca, the XXII<sup>th</sup> Edition, 2014, for the patent proposal Selenium enriched nutraceutical compound, – patent aplicacion no. A/10039/13.12.2012</li> <li>➤ Gold Medal of the International Invention Salon "ProInvent", Cluj-Napoca, the VIII<sup>th</sup> Edition, 2010, for the invention patent Device for spores collection - no. 122933, 2010</li> <li>➤ The Prize "Agricultural Distinction Ist Class", for the work "Plant Protection and Environment Mediul", Romanian Agronomic Body, Bucure ti, October 2010</li> <li>➤ The "Traian S vulescu" prize of the Romanian Academy for the Atlas de Fitopatologie trilingv, Oroian I., V. Florian, V. Holonec, Romanian Academy Publishing House, Bucure ti ISBN 973-27-1311-9, 672 pg, 2006, 2008</li> <li>➤ The "Eugen R dulescu" prize of the Transylvanian Society of Plant Protection for the contribution to the development of the plant protection domain in Romania, 2008</li> <li>➤ Diploma of excellence of the Romanian Agronomists Body for the development, defense, and representation of the profesionists in the fields of agriculture, teaching and research, 2008</li> <li>➤ Diploma of excellence for distinguished results in research activity for 2007 – Associate Professor Ioan Oroian Ph.D., the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, 2007</li> <li>➤ The "Iuliu Prodan" prize of the Romanian Academy of Agricultural Sciences and Forestry Gheorghe Ionescu i e ti for the Atlas de Fitopatologie trilingv, Oroian I., V. Florian, V., 2006</li> <li>➤ The "Traian S vulescu" prize of the Romanian Academy of Agricultural Sciences and Forestry Gheorghe Ionescu i e ti for the Tratat de agrochimie, Rusu Mihai, Marilena M rghita , I. Oroian, Tania Mih iescu, Adelina Dumitra , ISBN 973-40-0727-0 , Ceres Puiblishing House, BUCURE TI, 672 p., 2005.</li> </ul>
<p>Professional organizations and associations</p>	

- Associate member of the Academy of Agricultural and Forestry Sciences " Silvice „Gheorghe Ionescu i e ti"
- President of the Society of Plant Protection Transylvania
- President of the Cluj branch of the Romanian Agronomic Body (founding member)
- Founding member of the voluntariate association VIA, UASVM Cluj-Napoca
- Member of the Professionals Association of Environmental Protection (APPM)
- Balkan Environmental Association
- Founding member of the NGO "Association for the Environmental Protection, Hunting and Fishing - PROMEDIU"
- Member of the Society of Inventors from Romania, society affiliated to IFIA
- Member of the National Society of Plant Protection from Romania
- Secretary of the Association of the Graduates of the University of Agricultural Sciences and Veterinary Medicine, ALUMNI Cluj-Napoca
- Member the Balkan Environmental Association - BENA
- Member of the International Scientific Centre of Chemical Fertilizers – CIEC
- Member of the National Society of Soil Science
- Member of EURACHEM

## Supplementary information

- UASVM Representative in CLUSTER MOBILIER TRANSILVAN, 2013 - present
- Director of the scientific journal Protecția Plantelor, 2013 - present
- Scientific advisor of the journal Știința Plantelor, 2013 - present
- ARACIS expert, 2012 - present
- Law technical expert, Ministry of Justice, 2010 - present
- Professional Trainer, 2010 - present
- Inspector in the field of work health and security, 2010 – present
- Member of the Editorial Committee of the Journal of the National Society of Soil Sciences, 2010 - present
- Reviewer of Journal of Agricultural Extension and Rural Development, 2009 – present
- Reviewer of Advances in Agriculture & Botany, 2009 – present
- Reviewer of Aquaculture, Aquarium, Conservation & Legislation, 2009 – present
- Reviewer of Extreme Life, Biospeology & Astrobiology, 2009 – present
- Environmental protection expert, 2008 - present
- European Food Safety Agency (EFSA) expert, 2008 - present
- Editor in Chief of ProEnvironment/ProMediu, 2008 – present
- Reviewer of Journal of Medicinal Plants, 2008 – present
- Reviewer of JCEA (Journal of Central European Agriculture), 2007 - present
- Grant Application Reviewer Expert, Agriculture Board, Romania - national programmes CNCIS, CEEEX, MEDC - Certificate no.126 /2006
- Coordinator of the Plant Protection and Phytosanitary Legislation Domain within Research Center: Ecologically Integrated Production of Agroecosystems - Essential Component of the Concept of Sustainable Agriculture according to EU Aquis, accredited by MEDC, CNCIS certificate 73/2.06.2004
- Member of the Council of the Faculty of Agriculture of UASVM, 2004 - present
- of the journal of the National Society of Soil Science, 2007
- Member of the Excellence Center: Controlul and monitoring of the soils fertility and protection, certified by CNCIS 4 CE, 7.05.2004
- Professor Service Provider, Training Course for Specialized Technicians for the Management, implementation and Certification of the Biological Method – Italia PEGASUS Institute Control of the Phytopathologies in the Biological Firm and Manufacturing Techniques and Activity of Evaluation of the Learning
- Organizer of the workshop "The Prevention and Control of the Harmful Effect of Uncontrolled Technological Inputs in Agriculture – Unconventional Measures", within PN II Project (2007 – 2010), SPC INPUTS, Editions I and II, June 2009 and June 2010
- Organizer of the Conference with International Participation "The Relationship Environment & Agriculture & Industry: Conflict and Synergy", dedicated to the Environmental World Day, Editions I and II, June 2009 - 2015
- Organizer of the Session of Communications "R – Soil Regeneration, Rehabilitation and Restoration – from concept to achievement", dedicated to the World day of Earth, Editions I and II, May 2009 - 2015
- Organizer of the workshop "Good Practices in Assessment and Monitoring of Water Resources", dedicated to the World Day of Water Resources, Editions I and II, March 2009 - 2016
- Co-organizer in behalf of USAMV Cluj – Napoca of the International Fair ECOZONE-ECOLIFE, 2006 - 2012

## Driving licence

A,B,C,D,E

## Annex 1 – The list of projects

### Director/Responsible of project

1. Research upon the effects of the work execution sites, in scaffolding production, on local ecosystems. Methods to mitigate the adverse effects on the work areas, Contract no. 10023/13.07.2015 with SC Universal Med SRL Media
2. Study concerning the feeding behavior and migration of palustic fauna from North-West of the country, Project responsible Contract no. 21330/18.12.2015 with SC Piscicola SA Livada
3. Vocational training for farmers who own subsistence farms in South - West Region, POS DRU, 2007 – 2013, ID 111, Project responsible in behalf of UASVM Cluj - Napoca
4. The impact of forest exploitation with forestry articulated tractor of modern conception on marginal habitats, Contract no. nr. 6048/22.05.2014 with SC Irum SA Reghin
5. Sustainable control of grapevine trunk diseases, COST Action FA1303, Project responsible in behalf of UASVM Cluj - Napoca
6. Research concerning the effects of the modern inputs on productive forestry ecosystems within the context of present climatic changes, Project responsible Contract no. 9894/16.07.2013 with SC Industrial Trading SRL Târgu Mure
7. Analysis of food supplements, Contract no. 6824/17.06.2013 with SC Parapharm SRL
8. Transfer of know-how concerning environmental management, contract no. 14.110/16.09.2013 With S.C. ENTEN SYSTEMS S.R.L
9. AgroCariera, POS DRU, 2007 – 2013, ID 61675, approved by Decision no. E 6580/AZ/16.08.2010, Project responsible in behalf of UASVM Cluj - Napoca
10. Contract of Scientific Research, partnership between Teaching unit – Research – and Economic Agent (UASVM Cluj – Napoca – SC XTC Computers SRL), no. 1247 – Present possibilities of implementation of the informational systems of communication in environmental protection, agriculture and sustainable development, 2010
11. Increasing administrative capacity of USAMV-CJ for improving and increasing efficiency of the research activity –POSCCCE, AP2, O 2.2.4 - Strengthening the administrative capacity, ID – 792, 2009-2010
12. Obtaining selenium with enhanced bioavailability, on *Allium sativum* L. (garlic) substrate, with the aim of improving life quality by increasing food safety and security - POSCCCE, AP2, O 2.1.1 – Research projects in partnership with universities/research-development institutes and companies, Responsible in behalf of the partner UASVM Cluj-Napoca, ID – 505, 2010-2012
13. Broadening the genetic basis of winter wheat germplasm of Kosovo - Project ASO, Austria, Kosovo, Bulgaria, Romania, Responsible in behalf of the partner UASVM Cluj-Napoca, 2009 - 2010
14. Interdisciplinary research on the effect of potentially harmful main sources of technological inputs (fertilizers, pesticides) in optimizing the relationship soil - plant - consumers to ensure quality of life, PNII, Contract no. 782/2007, 2007 – 2010
15. Research concerning the impact of the PANTERA product on potato culture and the effect of the superspreader SILWET L – 77 in pesticide solutions, on potato. Contract no. 17588/04.03. 2007, with Chemtura Neetherlands
16. The use in production conditions of the product Device for spores collection, Contract nr. 41054/22.05.2007, with Phytosanitary Unit Cluj
17. Laboratory of the analysis of air quality, Contract CEEX, P-CONFORM, Contract no. 502/2006, 2006-2008
18. The use, in production conditions, of the technology of unconventional protection of potato culture in conditions of implementation of the sustainable agriculture, Contract no. 3343/30.05.2006, with SC Agrotrust Târnava SRL, Jidvei, 2006
19. The use, in production conditions, of the technology of unconventional protection of potato culture in conditions of implementation of the sustainable agriculture, Contract no. 3160/24.05.2006, SC Vitis Augusta SRL, 2006
20. Ecological research on integrated ecosystem protection - an essential component of the concept of sustainable agriculture in line with European norms and standards, CEEX, P-CD, Contract no. 102/2005, 2005-2008.
21. The unconventional control of the main potato mycosis, in assortments created in Romania, suitable for the ecological agricultural system, CNCIS, A, Contract no. 824/2005
22. PANTERA, 2005 – Comparative study with gramicides used in local technology of the field cultures, Contract no. 2538/14.04.2005, with Crompton Europe BV
23. Research concerning the efficacy of the product Signal 360 FS in maize culture, Contract no. 2747/21.06. 2005, with Crompton Europe BV
24. The ecological protection of wheat against mycosis using foliar fertilizers, CNCIS, AT, Contract no. 129/2002

### Member in projects research teams

1. Leonardo da Vinci Programme (LLP-LdV-TOI-2008-HU-003): Small Business QMS project (BUS), 2009-2011
2. INTERREG IV Programme - Common Land for sustainable management, Project: 0340R1, COMMONS
3. The phenotypic assessment and genetic characterization using molecular techniques of some wild boar populations of *Sus Scrofa Ferus* with establishment of the impact factors on ecosystems in areal, in order to avoid genetic vulnerabilities of specie, PN II, Contract no. 52105/2008, 2008 - 2010
4. The proposed methods of sludge from biodegradable waste (basins of containment and treatment plants) to reduce environmental pollution, PN II, Contract no. 32 – 105/2008, 2008 – 2011
5. Sustainable use of soil resources in protected areas by implementing environmental technologies and developing methods for monitoring and analysis, compatible with EU standards, PN II, Contract no. 51045/18.09.2007, 2007 – 2010
6. Advanced technological solutions for the biological decline produced by lignicol bacterial and mushrooms in vine in Romanian vineyards, Contract no. 1522 /12.07.2006; 2006 - 2008
7. Complex system destined to research phenomena of degradation of arable land and monitoring the negative impact of agriculture on natural resources and global climate change, CEEX, Contract no. 124/20.07.2006, 2006 - 2008



8. Promotion of the integration of the research of the sustainable agricultural technologies of the conservative systems of soil working in European research space, CEEX, Contract no.129/1.08.2006, 2006 - 2008
9. Improvement, preservation and valuation of the degraded soils by anthropical intervention in agroecosystems from hilly areas, for increasing of life quality and environmental protection, CEEX, Contract no. 44/10.10.2005, 2005 - 2008
10. Evaluation of toxicity of basic food from our country determined by the mycotoxic charge harmful for human health, CEEX-VIASAN, Contract nr. 361/2004, 2004 - 2006
11. Optimizing the integrated protection of the main agroecosystems against diseases by using some electronic equipments, CNCSIS, A type, Contract no.12/2004, CNCSIS code 213, 2004 -2006;
12. Research concerning the influence of the minimum soil tillage systems upon the preservation of the fertility, biodiversity and water accumulated in soil as eco-technological basis for a sustainable agriculture, CNCSIS, A type, Contract no. 753/2004, 2004-2006
13. Research concerning the influence of the working unconventional systems, on the soil biology and phytosanitary status, CNCSIS, AT type, Contract no. 463/2002, 147/2003, tip AT, 2002 - 2003
14. The ecological protection of agricultural ecosystems against diseases, CNCSIS, Contract nr. 39/2000, 2000-2003
15. Testing foliar fertilizers on the agricultural and horticultural cultures, Orizont 2000, 1998-2000.
16. The ecologic protection against diseases of the main agro-ecosystems and fulfilling of the phytopathological herbarium of Transylvania, CNCSIS, Contract no. 108/1997, 1997-1999;
17. Prognosis of the occurrence of the main plant diseases and advertising treatments with biological products through electronic computer, CNCSIS, A Type Contract no. 98/1997, 1997-1999.