



## Europass Curriculum Vitae



### Personal information

Surname(s) / First name(s) **Sumalan Radu-Liviu**

Address(es) Str. Bujorilor nr 15, Cerneteaz, Timis-home  
Str. Calea Aradului nr.119, 300645, Timisoara- at University

Telephone(s) +40256424232 Mobile +40723547363

Fax(es) +40256424232

E-mail [sumalanagro@yahoo.com](mailto:sumalanagro@yahoo.com); [plantphysiology.ro@gmail.com](mailto:plantphysiology.ro@gmail.com)

Nationality romanian

Date of birth 20.08.1965

Gender male

**Desired employment /  
Occupational field** Higher education, researches project coordinator and implementation

### Work experience

Dates 2007-present

Occupation or position held Full Professor , PhD. Coordinator, Post doc coordinator

Main activities and responsibilities Higher education and research activities

Name and address of employer Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I st of Romania" from Timisoara, Str. Calea Aradului, no.119, 300645

Type of business or sector	Educational and research
Dates	2000-2007
Occupation or position held	Associate professor
Main activities and responsibilities	Higher education and research activities
Name and address of employer	Banat's University of Agricultural Sciences and Veterinary Medicine, Timisoara, Str. Calea Aradului, no.119, 300645
Type of business or sector	Educational and research
Dates	1995-2000
Occupation or position held	Lecturer
Main activities and responsibilities	Higher education and research activities
Name and address of employer	Banat's University of Agricultural Sciences and Veterinary Medicine, Timisoara, Str. Calea Aradului, no.119, 300645
Type of business or sector	Educational and research
Dates	1991-1995
Occupation or position held	University assistant
Main activities and responsibilities	Higher education and research activities
Name and address of employer	Banat's University of Agricultural Science and Veterinary Medicine, Timisoara, Str. Calea Aradului, no.119, 300645
Type of business or sector	Educational and research
Dates	1990-1991
Occupation or position held	University preparatory
Main activities and responsibilities	Didactical and research activities
Name and address of employer	Banat's University of Agricultural Sciences and Veterinary Medicine, Timisoara, Str. Calea Aradului, no.119, 300645
Type of business or sector	Educational
Dates	1988-1990
Occupation or position held	Agricultural engineer
Main activities and responsibilities	Agricultural production, optimization of culture technology
Name and address of employer	Agricultural office, Somes – Odorhei state farm
Type of business or sector	Plant cultivation, management and marketing in field production
Education and training	
Dates	1992-1998

Title of qualification awarded	doctorate									
Principal subjects/occupational skills covered	Research in the field of plant physiology, plant stress – salts and drought tolerance									
Name and type of organisation providing education and training	Banat's University of Agricultural Sciences and Veterinary Medicine, Timisoara, Str. Calea Aradului, no.119, 300645									
Level in national or international classification	Post university									
Dates	1984-1988									
Title of qualification awarded	Diploma in Engineering									
Principal subjects/occupational skills covered	Agricultural engineering , cultivated plant technology, plant physiology									
Name and type of organisation providing education and training	Banat's University of Agricultural Sciences and Veterinary Medicine, Timisoara, Str. Calea Aradului, no.119, 300645									
Level in national or international classification	University degrees									
Personal skills and competences										
Mother tongue(s)	romanian									
Other language(s)	english, french									
Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	C1	Effective Operational Proficiency	C1	Effective Operational Proficiency	C1	Effective Operational Proficiency	C1	Effective Operational Proficiency	B1	Independent user
French	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user
	(*) Common European Framework of Reference for Languages									
Social skills and competences	good ability to adapt to multicultural environments, gained though my work experience abroad; good communication skills gained through my experience in academic environment									
Organisational skills and competences	leadership; sense of organization (experience in logistics); good experience in project or team management									
Technical skills and competences	good command of quality control processes									
Computer skills and competences	COMPUTER OPERATOR (INTERNET, WORD, EXCEL, POWER POINT, ETC)									
Artistic skills and competences	Literature, nature, sport									

Other skills and competences	Scientific activities: scientific paper and research grants
Driving license	Category B and C

**Additional information**

**FIRST PRIZE –National Conquest AGRICHALLENGE” – 2009** – Organized by Timac Agro Foundation for Agriculture Development, <http://www.fundatiatimacagro.ro/start.php?page=3&sub=7>

**Prize “Haralamb Vasiliu”** of Academy of Scientists from Romania in 2011 for the book "Growing and processing oilseeds in order to produce biofuels" with Tabara V., Georgeta Pop, Rusnac L. și Iuliana Popescu, Ed. Eurobit, Timisoara, ISBN 978-973-620-564-4

[http://www.aos.ro/site\\_mod/Primapagina/2011/ListapremiilorAOSR2008si2009.pdf](http://www.aos.ro/site_mod/Primapagina/2011/ListapremiilorAOSR2008si2009.pdf)

**Gold Medal for Invention:** Solar irrigation system - Nanu Sorin, Sumalan Radu, International Exhibition of Inventions and Innovations "Traian Vuia" Timisoara, June 13 2015

**Special Prize and Diploma of Excellence USAMVB "King Michael I of Romania"** from Timisoara, for the invention; Solar irrigation system- Sumalan Radu-Liviu and Nanu Sorin. Romanian Sustainable Energy Cluster -ROSENC-. International Exhibition of Inventions and Innovations "Traian Vuia" Timisoara, June 13 2015.

<http://www.cluster-app.ro/en/uncategorized-en/latest-inventions-and-innovations-at-the-international-exhibition-traian-vuia-timisoara-2>

**Bronze Medal for : Sorada – A Tomato from Grandmas Garden**, Euroinvent Iasi 2016. Radu Sumalan, Sorin Ciulca, Florin Bodnarescu, Renata Sumalan and Adriana Ciulca

**Special Prize of National Institute of Genetics- Moldavian Academy of Sciences** for: **Sorada – A Tomato from Grandmas Garden**, Euroinvent Iasi 2016. **Radu Sumalan**, Sorin Ciulca, Florin Bodnarescu, Renata Sumalan and Adriana Ciulca.

**Gold Medal** for: NEW PLANT GROWTH REGULATORS FOR A SUSTAINABLE AGRICULTURE, Euroinvent Iasi, **2018**

**Projects evaluator :**

**COST** – European Cooperation in Science and Technology- EU Funded Programme

**UEFISCDI-** Executive Agency for Higher Education, Research, Development and Innovation Funding- Romanian Ministry of Research and Innovation

**ANCS** – National Agency for Scientific Research- Romanian Ministry of National Education

**Reviewer for scientific journals:**

- **Notulae Botanicae Horti Agrobotanici Cluj-Napoca,**
- **JOURNAL of Horticulture, Forestry and Biotechnology**

<http://www.usab-tm.ro/Journal-HFB/romana/recenzare.html>

- International Advisory Committee of **3rd IFSDAA International Seminar** Crop Science for Food security, Bio-energy and Sustainability

<http://www.acss.ws/?t=hungary>

- **International Journal of Bio-resources and Stress Management**

- [World Journal of Agricultural Research,](http://www.sciepub.com/journal/WJAR/EditorialBoard)

[http://www.sciepub.com/journal/WJAR/EditorialBoard,](http://www.sciepub.com/journal/WJAR/EditorialBoard)

- International Journal of Environmental Bioremediation & Biodegradation

<http://www.sciepub.com/journal/IJEBB/EditorialBoard>

- Research in Plant Sciences

<http://www.sciepub.com/journal/PLANT/EditorialBoard>

- Oltenia- Studii și comunicări științifice

<http://www.olteniastudii.3x.ro/edit.html>

Net Journal of Agricultural Science

[http://www.netjournals.org/agricsci\\_index.html](http://www.netjournals.org/agricsci_index.html)

Journal of Food and Nutrition Research

<http://www.sciepub.com/journal/JFNR/editors>

**Membership of professional bodies:**

Romanian Society of Horticulture

**Experience in working with Government's, international organizations' and/or donors' procedures;**

1. **Programs/ Projects evaluator for Ministry of National Education and Scientific Research. National Authority for Innovation and Scientific Research- Romanian Government.**
2. **Programs/Projects evaluator for Executive Agency for Higher Education, Research, Development and Innovation Funding- Romanian Government.**
3. **Programs/projects evaluator for COST (European Cooperation in Science & Technology).**

**Experience in working with international organizations:**

1. **CERE - Center of Excellence for Renewable Energy, Energy Efficiency and Environment- AUSTRIA,**
2. **NO GRAVITY - NGO found in Bratislava, SLOVAK REPUBLIC**
3. **PARIVARTAN KO LAGI AVIYAN- Kathmandu, NEPAL**

**Membership in Professional Associations and Publications:**

1. **President of CC&EU. Centre for Consultancy and Euro-Regional Rural Cooperation,**
2. **President of BIOEN. Research Institute for Vegetal Energetic Bio-resources,**
3. **Vice-President of ROSENC – Romanian Sustainable Energy Cluster,**
4. **Member of ISHS. International Society for Horticultural Sciences,**
5. **Member of AGIR. General Association of Romanian Engineers**

**Ph.D. Thesis coordinator -9**

**Postdoctoral researches coordinator - 7**

**Member of Commission for habilitation: 1**

Annexes: 1. List of main research grants,  
2. Books,  
3. List of main scientific paper

Timisoara,

Signature,

20.09.2018



### Annex 1 List of main research grants

1.	Title	N0/Year	Position	Value	Beneficiary
2.	Les effets d'application du produit "BIOVIT" sur la productivité des espèces d'intérêt horticole – Nutrientes organicos S.L. Spania	2004	Project manager	5 000 euro	Nutrientes Organicos S.L. Spain
3.	Research regarding the tolerance physiology to osmotic stress of some <i>Phaseolus vulgaris</i> L. local land races from Banat area in order to use them in amelioration proceses	2007-2008	Member	30 000 euro	CNCSIS
4.	The founding of the Centre for Consultancy and Euro-Regional Rural Co-operation (CC&EU) to improve the ecological and conventional management regarding agricultural yield quality and quantity.	2007-2008	Project manager	220.000 euro	PHARE CBC HU-RO
5.	The founding and implementation of the Euroregional Research Center of Vegetal Energetic Bioresources (BIOEN)	2008-2009	Project manager	492 000 euro	PHARE CBC RO-SE
6.	Common research project regarding the drought tolerance devise to some maize genotypes cultivated in the western side of Romania and the south-east of Hungary.	2009-2011	Project manager	451.000 euro	Cross border Cooperation Programme 2007-2013 HU-RO
7.	Cross-border Partnership – Education –Spots and Health in university	2010-2011	Scientific responsible	127.830 euro	Cross border Cooperation Programme 2007-2013 HU-RO
8.	Online university	2010-	Responsible -	8.869.868	POSDRU/86/1.2/S

	collaboration network for the development of the capacity to provide competent and competitive on labor market.	2012	development of curricular and courses scientific content	RON (1,979,000 EURO)	/62723
9.	Postdoctoral School in Agriculture and Veterinary Medicine	2010-2013	domain responsible- Horticulture	20.019.000 RON	POSDRU/89/1.5/S /6237
10.	Researches concerning the influence of some Timac –Agro Bioproducts upon growth and development processes in some cultivated plants	2011	<b>Project manager</b>	15.000 euro	Timac Agro International, France
11.	Researches concerning the influence of some sulfur fertilizers produced by Timac Agro on soil microflora and crop quality and quantity of maize, sunflower and grassland.	2012	<b>Project manager</b>	22.357 euro	Timac Agro International, France
12.	Identify and testing <i>Brassica napus</i> L. tolerant genotypes to drought and heat stress	2012-2013	<b>Project Manager</b>	14.175,25 euro	Monsanto Hungaria Kft.
13.	Cross-border joint RDI in the field of Biogas production, a suitable renewable energy carrier for Hungary and Romania	2012-2013	Expert -biomass producing	74.600 euro	Cross border Cooperation Programme 2007-2013 HU-RO 1001/93/2.2.2.
14.	Screening for salt tolerance of some local vegetable landraces for conservation of genetic potential and biodiversity <a href="http://www.s-stress.ro">www.s-stress.ro</a>	2012-2015	<b>Project manager</b>	461.394 euro	PN-II-PT-PCCA-2011-3 Contract. Nr.97/2012
15.	Sweet sorghum: a versatile raw material for biofuels and biorefinery	2013-2016	Scientific responsible	75.000,00 euro/2014	PN-II ID-PCE-2012-4-0311
16.	Research concerning the influence of some Timac Agro products to control nutrition ,	2014	<b>Project manager</b>	20.000 euro	Timac Agro International,



	drought tolerance and encourage flowering and fruiting on some cultivated plant species				France
17.	Energy efficient new technologies for synthesis of polyester copolymers.	2014-2015	Researcher	1.000.000 euro	S.C. Elkim Special SRL
18.	Researches Concerning The Influence Of Some Timac Agro Products To Control Broomrape ( <i>Orobanche cumana</i> ) Infestation On Sunflower- Helios Experiment	2015	Researcher	15.000 euro	Timac Agro International, France
19.	Energize the Agriculture- Young Entrepreneurs for Rural development <a href="http://agroen.eu/">http://agroen.eu/</a>	2016	<b>Project manager</b>	86.020 euro	European Comission- Education, Audiovisual and Culture Executive Agency

## Annex 2. Books

No	Authors	year	Title	Editors	No pag.
1.	Guler O., Mirela Guler, <b>R. um Ian</b>	2012	The school of cultivars. Wheat-leaf fertilizers, biostimulators, chemical fertilizers, vol. VI	Ed. Eurobit. Timisoara. ISBN 978-973-132-002-8	157
2.	Guler O., Mirela Guler, <b>R. um Ian</b>	2012	The school of cultivars. Wheat and triticale. Vol. V	Ed. Eurobit. Timisoara. ISBN 978-973-132-002-1	140
3.	Guler O., Mirela Guler, <b>R. um Ian</b>	2011	The school of wheat cultivars Vol.I and II	Ed. Eurostampa, Timi oara, ISBN 978-606-569-279-4	171
4.	<b>R. um Ian</b> , Tabara V., Georgeta Pop, Rusnac L., Iuliana Popescu	2009	Cultivating and processing of oilseeds for obtaining of biofuels (Prize "Haralamb Vasiliu" of Romanian Scientists Academy - 2010)	Ed. Eurobit, Timisoara, ISBN 978-973-620-564-4	366
5.	<b>R. um Ian</b>	2009	Plant Physiology- elements of Plants Physiology applied in Horticulture	Ed. Eurobit, Timisoara, ISBN 978-973-620-496-8	318
6.	<b>R. um Ian</b>	2005	Vegetal Physiology	Ed. Eurobit, Timisoara, ISBN973-620-199-6	330

7.	<b>R. um lan</b>	2004	Plant Physiology- elements of plant physiology in regenerated plants and stress reaction	Ed. Eurobit, Timisoara I.S.B.N. 973 -620- 107-4	250
8.	<b>R. um lan</b>	2002	Plant physiology	Ed. Eurobit, Timisoara, I.S.B.N.973-620- 010-8	181
9.	<b>R. um lan</b>	2001	Forestry Plant Physiology	Ed. Eurobit, Timisoara, I.S.B.N. 973-8181-62-3	179

### Annex 3. Main scientific papers

#### 2018

Carmen BEINSAN, Renata SUMALAN, Giancarla VELICEVICI, Adriana CIULCA and **Radu SUMALAN**. Seed Germination and Physiological Response of Sunflower (*Helianthus annuus* L.) Cultivars under Saline Conditions. Bulletin UASVM Horticulture 75(1) / 2018 Print ISSN 1843-5262, Electronic ISSN 1843-536X DOI:10.15835/buasvmcn-hort: 003817.

#### 2017

Sorin CIULCA, Natalia CARP, Emilian MADON A, Adriana CIULCA, **Radu UM LAN** Assessment of Combining Ability Effects for several Yield and Quality Traits in a Complete Diallel Cross of Strawberry (*Fragaria × ananassa* Duch.). Not Bot Horti Agrobo, 2017, 45(2):517-524. DOI:10.15835/nbha45210873(IF.0,480)

Tomescu Daniel, **Sumalan Radu**, Copolovici Lucian and Dana Copolovici (2017) The influence of soil salinity on volatile organic compounds emission and photosynthetic parameters of *Solanum lycopersicum* L. varieties. Open Life Sciences, 12, 135-142.

C prar Marin, Cristina Copaci, Diana Chende, Oana Sicora, **Radu um lan** and Cosmin Sicora (2017) Evaluation of Genetic Diversity by DNA Barcoding of Local Tomato Populations from North-Western Romania. Notulae Botanicae Horti Agrobotanici 45 (1):xxx-xxx. DOI:10.15835/nbha451xxxxxx

#### Conferences:

2nd Agriculture and Climate Change Conference, 26 - 28 March 2017 | Meliá Sitges, Sitges (near Barcelona), Spain: Climate ready resource use-efficient crops to sustain food and nutritional security.

Poster: Tomatoes future cultivars –challenges and strategies for drought and salt tolerance improvement- **R.L. Sumalan**\*<sup>1</sup>, L. Copolovici<sup>2</sup>, R. Sumalan<sup>1</sup>, D. Copolovici<sup>2</sup>,

#### 2016

Teodor Vintila, Adina Negrea, Horia Barbu, **Radu Sumalan** and Kornel Kovacs (2016). Metal distribution in the process of lignocellulosic ethanol production from heavy metal contaminated sorghum biomass. Journal of Chemical technology and Biotechnology, Volume 91, Issue 6, June 2016 , Pages 1607–1614 (IF- 2,349).

**Sumalan R.**, Beinsan Carmen, Schmidt Brigitta, Sumalan Renata, Yvin J.C.

Influence of “HAZAL” product on commercial and ornamental characters of *Tagetes patula* L. JOURNAL of Horticulture, Forestry and Biotechnology. Volume 20(2), 87- 92, 2016

**Sumalan R.**, Beinsan Carmen, Gaspar S., Pascaru Adina, Yvin J.C. Researches regarding the influence of fertilization on the main physiological indexes of tomato. JOURNAL of Horticulture, Forestry and Biotechnology. Volume 20(2), 93- 99, 2016

**R. L. Sumalan**, M. S. Miron LONG TERM ANALYSIS OF CLIMATE CHANGE IN SOUTH-EAST EUROPE. CASE STUDY- WESTERN PART OF ROMANIA. Abstract SGEM. DOI: 10.5593/SGEM2016/HB43/S06.021

Renata Maria UM LAN, **R.L. SUMALAN**, L. COPOLOVICI, S. CIULCA, JC. YVIN, Adriana CIULCA . RESEARCH ON SUNFLOWER OIL QUALITY IN THE CASE OF *OROBANCHE CUMANA* ATTACK . Research Journal of Agricultural Science, 48 (3), 2016

## 2015

Ancuta Doncean, Renata um lan, Carmen Bein an, Iosif Gergen, **Radu um lan** (2015). **Influence of different types and mixtures of composts on quality of tomatoes fruits (Solanum lycopersicum L.). Journal of Hygienic Engineering and Design, Vol. 13, pp. 40-47.** <http://www.jhed.mk/filemanager/JHED%20Vol.%2013/02.%20FQS/08%20Ancuta%20Doncean.pdf>

### Conference participation,

Ancuta Doncean, Renata um lan, Carmen Bein an, Iosif Gergen, **Radu um lan**- INFLUENCE OF DIFFERENT TYPES AND MIXTURES OF COMPOSTS ON QUALITY OF TOMATOES FRUITS (*SOLANUM LYCOPERSICUM* L.)- Book of abstracts - Food Quality&Safety, Health & Nutrition, Nutricon, 19-20 nov 2015, Skopje Macedonia.

### Conference participation,

**Radu Liviu Sumalan**, Ioana Popescu, Brigitta Schmidt, Renata Maria Sumalan, Cristina Popescu, Sorin Gaspar- Salt tolerant tomatoes local landraces from Romania – Preserving the genetic resources for future sustainable agriculture. [Journal of Biotechnology, Volume 208, Supplement](#), 20 August 2015, Pages S18. EUROPEAN BIOTECHNOLOGY CONGRESS 2015, Bucharest,

Vintila Teodor, **Sumalan Radu**, Gergen Iosif, Pop Georgeta, Kornel Kovacs- Sugar extraction and saccharification of sweet sorghum biomass for biorefining. [Journal of Biotechnology, Volume 208, Supplement](#), 20 August 2015, Pages S12. EUROPEAN BIOTECHNOLOGY CONGRESS 2015, Bucharest,

Teodor Vintil , Nicolae Popa, Georgeta Pop, Iosif Gergen, Radu um lan. Evaluation of fermentation parameters and yeasts selection for ethanol production from sweet sorghum juice. Romanian Biotechnological Letters Vol. 20, No. 6, p. 11076-11083. 2015 (ISI I.F. -0,404, I.S.- 0,160).

**Radu Liviu Sumalan**, Brigitta Schmidt, Doina Carmenica Jitareanu, Renata Maria Sumalan - Changes in rhizosphere microbiome from halotolerant tomato are correlated with physiological and biochemical parameters of oxidative stress in plants. [Journal of Biotechnology, Volume 208, Supplement](#), 20 August 2015, Pages S60. EUROPEAN BIOTECHNOLOGY CONGRESS 2015, Bucharest,

### Conference participation,

Miron M.S., **Sumalan R. L.**, Physiological responses of Norway spruce (*Picea abies* [L.] Karst) seedlings to drought and overheating stress conditions. JOURNAL of Horticulture, Forestry and Biotechnology , Volume 19(2), 146-151, 2015. [www.journal-hfb.usab-tm.ro](http://www.journal-hfb.usab-tm.ro). <http://www.journal-hfb.usab-tm.ro/romana/2015/Lucrari%20PDF/Lucrari%20PDF%2019%282%29/27Miron%20Marius.pdf>

Tomescu D., **Sumalan R.**, Soran Loredana, Copolovici L.-The influence of soil salinity to chlorophylls and -carotene contents in *Lycopersicon esculentum* Mill. JOURNAL of Horticulture, Forestry and Biotechnology , Volume 19(2), 35-39, 2015. [www.journal-hfb.usab-tm.ro](http://www.journal-hfb.usab-tm.ro). <http://www.journal-hfb.usab-tm.ro/romana/2015/Lucrari%20PDF/Lucrari%20PDF%2019%282%29/6%20Tomescu.pdf>

Schmidt Brigitta, **um lan R.**, Samfira I. -Study regarding the influence of bacterial strains on improvement of plants for salt tolerance. JOURNAL of Horticulture, Forestry and Biotechnology , Volume 19(2), 206-210, 2015. [www.journal-hfb.usab-tm.ro](http://www.journal-hfb.usab-tm.ro). <http://www.journal-hfb.usab-tm.ro/romana/2015/Lucrari%20PDF/Lucrari%20PDF%2019%282%29/36Schmidt%20Brigitta.pdf>

Schmidt Brigitta, **um Ian R.**, Samfira I. -Benefits of arbuscular mycorrhiza on development of marigold in different nutritional conditions. JOURNAL of Horticulture, Forestry and Biotechnology , Volume 19(2), 210-216, 2015. [www.journal-hfb.usab-tm.ro](http://www.journal-hfb.usab-tm.ro). [http://www.journal-hfb.usab-tm.ro/romana/2015/Lucrari%20PDF/Lucrari%20PDF%2019%282%29/37Schmidt%20Brigitta\\_BUN.pdf](http://www.journal-hfb.usab-tm.ro/romana/2015/Lucrari%20PDF/Lucrari%20PDF%2019%282%29/37Schmidt%20Brigitta_BUN.pdf)

BOLDURA Oana, Sorina POPESCU, **Radu SUMALAN**- A Molecular Approach for Identification of Drought Resistant Rapeseed Genotypes Based on Gene Expression. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Animal Science and Biotechnologies. Vol 72 (1), 101-103 [https://www.researchgate.net/profile/Oana\\_Maria\\_Boldura/publication/276272936](https://www.researchgate.net/profile/Oana_Maria_Boldura/publication/276272936)

Heghed -Mîndru, R. C.; Heghed -Mîndru, G.; Negrea, P.; **um Ian, R. L.**; tef, D. S. - The content in macroelements (Na, K, Ca and Mg) of some fruits collected from Rachita locality, Timis county. Journal of Horticulture, Forestry and Biotechnology 2015 Vol. 19 No. 2 pp. 119-124

#### 2014.

Cristina Popescu, Violeta Turcus, Mirela Ardelean, Calin Ladasiu, Sorin Ciulca, Sorina Popescu, David Chirila, **Radu Sumalan**. Genetic diversity and flavonoid variability among vegetable landraces grown on saline areas from the West part of Romania. Journal of Biotechnology, vol 185, S-34, ISSN: 0168-1656, 2014IF:2,884.

Ciulca S., Renata Sumalan, Sorina Popescu, Brigitta Schmidt, R Sumalan. Univariate and multi-variate analysis of some garlic landraces for bulbs traits. Annals of the University of Craiova Agriculture, Montanology, Cadastre Series) Vol. XLIV. 2014

Sumalan R., Diana Ion, Ioana Popescu, Brigitta Schmidt, Renata Sumalan, D. Camen, S. Ciulca. Assessment of phenotypic diversity for some red onion landraces from Timi county. Annals of the University of Craiova Agriculture, Montanology, Cadastre Series)Vol. XLIV. 2014

Velicevici Giancarla, E. Madosa, S. Ciulca, R. Sumalan, Adriana Ciulca, Cerasele Petolescu, A.Lazar, Iuliana Cretescu, Mihaela Malaescu. Genetic analysis of roots growth in barley (Hordeum vulgare). Journal of Horticulture, Forestry and Biotechnology, Vol.18/1, 2014, 214-219

Heghed -Mîndru Ramona Cristina, Heghed -Mîndru Gabriel, Negrea Petru, **um Ian Radu**,Negrea Adina, tef Ducu. The monitoring of mineral elements content in fruit purchased in supermarkets and food markets in Timisoara, Romania. **Annals of Agricultural and Environmental Medicine** 2014, Vol 21, No 1, pag. 98–105 (I.F. 3,060)

Laura Bigyilan, **Radu Sumalan**, Dorin Camen. Modern Sensor Systems In Horticulture. Proceedings of the International Conference "AGRI-FOOD SCIENCES, PROCESSES AND TECHNOLOGIES" - AGRI-FOOD 2014, May 14-15, 2014, Sibiu, Romania.

Brigitta Schmidt, Laura Bigyilan (Suciu), Diana Ion, Yvin Jean-Claude, **Radu um Ian**. Researches Concerning The Control of Drought at Maize Using Bioproducts. Proceedings of the International Conference "AGRI-FOOD SCIENCES, PROCESSES AND TECHNOLOGIES" - AGRI-FOOD 2014, May14-15, pp 144 -155, 2014, Sibiu, Romania.

Carmen Bein an, **R. um Ian**, tefania Gâdea, S. Vâtc . Physiological Indicators Study Involved in Productivity Increasing in Tomato. ProEnvironment 7 (2014),p.218-224

imonea Luciana M., **R. um Ian**. Germinative response of some common bean landraces from Banat region of Romania. Journal of Horticulture, Forestry and Biotechnology 2014 Vol. 18 No. 2, p. 211-212, ISSN:2066-1797.

imonea Luciana M., **R. um Ian**. Amino acid composition of some common bean landraces from Cara -Severin county, of Romania. Journal of Horticulture, Forestry and Biotechnology 2014 Vol. 18 No. 2 p. 208-210,ISSN:2066-1797

**Sumalan R.**, Camen D. Studies Regarding Fertilization Influence Upon Certain Quality And Yield Parameters in Wheat. Proceedings of the International Conference "AGRI-FOOD SCIENCES, PROCESSES AND TECHNOLOGIES" - AGRI-FOOD 2014, May 14 -15, pp. 2014, Sibiu, Romania.

### 2013.

Gabriel Heghed s-Mîndru, Ramona Cristina Heghed s-Mîndru, Petru Negrea, **Radu Sum Ian**, Teodor Trasc , Adina Negrea, Adrian Ravis, Ducu Stef. The comparisons about macro elements content in fruits collected from the Gotlob locality of Timis county. Journal of Agroalimentary Processes and Technologies 2013, 19(3), pag. 348-354. online at: <http://journal-of-agroalimentary.ro>

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