



Curriculum vitae Europass



Personal Informations

First name(s) / Surname(s)

BOTAU DORICA

Address

Calea Bogdanestilor, Timisoara

Telephones

0256.277238

Mobil: 0749815617

Fax

0256.277263

E-mail

dbotau@yahoo.com

Nationality

română

Data of birth

11.11.1956

Gender

Fem.

Employment / Occupational field

**Banat's University of Agricultural Sciences and Veterinary Medicine Timișoara,
Faculty of Horticulture and Forestry, Calea Aradului 119, 300645, Timișoara, tel.
0256.277263. email usabtm@dnttm.ro**

Professional experience

Period

2007-present

Position or duty

Profesor universitar

Activities and main responsibilities

Research: in vitro mutagenesis; study of somatic variability by biochemic and molecular methods; obtaining of pharmaceutical preparation from medicinal plants and in vitro tissues.

Discipline teaching: Industrial biotechnologies; Modern biotechnologies; Genetics of microorganisms; The Obtaining of secondary metabolists by manipulation on cellular and molecular level; The use of genetic modified microorganisms and plants in medium protection ;

Doctoral coordination; coordination of licence and disertation projects; research proiect director.

Name and address of employer

Banat's University of Agricultural Sciences and Veterinary Medicine Timișoara

Activity tipe

Didactic and research in vegetal / microbial biotechnologies domain

Period

1990-2007

Position or duty

researcher (1990-1991); university Assistant (1991-1994); lab work head (1994-2000); professor assistant (2000-2007); professor (2007-present)

Activities and main responsibilities

- **Research:** in vitro mutagenesis; study of somatic variability by biochemic and molecular methods; obtaining of pharmaceutical preparation from medicinal plants and in vitro tissues.

- **Discipline teaching:** Microbiology; Industrial biotechnologies; Genetics of microorganisms; The Obtaining of secondary metabolists by manipulation on cellular and molecular level; The use of genetic modified microorganisms and plants in medium protection ;

- coordination of licence and disertation projects; research proiect director.

Name and address of employer

Banat's University of Agricultural Sciences and Veterinary Medicine Timișoara

Activity tipe

Didactic si de cercetare în domeniul biotehnologiilor vegetale și microbiene

Period	1984-1990
Position or duty	biolog researcher
Activities and main responsibilities	research activity in microbial genetic engineering domain
Name and address of employer	Biology Institute , București , Splaiul Independentei, 296
Activity type	Experimental research
Period	1982-1984
Position or duty	college professor
Activities and main responsibilities	Didactic ; educational
Name and address of employer	Industrial college nr.2 Cugir, jud. Alba
Activity type	Teaching biology discipline; formmaster
Education and training	
Period	1971-1975
Title of qualification awarded	matriculation Diploma
Principal subjects/occupational skills covered	<i>general culture</i>
Name and type of organisation providing education and training	College of general culture, Sebeș, jud.Alba
Level in national classification	matriculation
Period	1978-1982
Title of qualification awarded	licence Diploma
Principal subjects/occupational skills covered	Profesor de biologie
Name and type of organisation providing education and training	"Babeș-Bolyai" University, Cluj-Napoca, Faculty of Biology-Geography-Geology, Biology section
Level in national classification	Licence in biology
Period	1993-1998
Level in national classification	doctor Diploma
Principal subjects/occupational skills covered	Doctor in horticulture, Genetics and plant breeding specialization; Competences : <i>In vitro</i> regeneration and multiplication of plants, stress-selection in vegetal cell cultures for tolerance at unfavourable factors, <i>in vitro</i> mutagenesis, induction and testing of somatic variability by biochemical and molecular methods;
Name and type of organisation providing education and training	Banat's University of Agricultural Sciences and Veterinary Medicine Timișoara
Period	2002, 2003, 2004
Title of qualification awarded	diploma
Main disciplines studied / professional competence obtained	Seminar <i>Achievements and perspectives in biology /</i> Genetic transformation of plants; Molecular methods of somatic variability evaluation at plants
Name and type of organisation providing education and training	Banat's University of Agricultural Sciences and Veterinary Medicine Timișoara
Level in national classification	
Period	2003, 2004, 2005, 2006, 2007
Title of qualification awarded	Application of molecular methods to investigate and study of variability in plants
Principal subjects/occupational skills covered	Specialization in frame of crossborder research work
Name and type of instruction institution	University of Szeged

Level in national classification

Personal skills and competences

Mather language **romanian**

Other languages

Self-assessment

European level ()*

language

language

Agreement				Spiel				Write	
listening		reading		conversation		speech		script	
B1	english	B1	english	B1	english	B1	english	B1	english
A2	french	A2	french	A1	french	A1	french	A2	french

Social skills and competences

- strong team spirit formed and developed in frame of research collectives;
- very good adaptation capacity at scientific multidisciplinary milieus, obtained by participation at international crossborder research projects;
- very good communication capacity, obtained by didactic and educational activities displayed in medium and superior instruction.

Organisational competences and skills

Director of research projects ;
- coordination of licence (from 1995) and disertation projects (from 2000);
Coordinator of scientific student groups; tutor student groups.

Tehnic skills and competences

Good equipment operation of vegetal Biotechnologies laboratory

Computer skills and competences

A good computer operation

Artistic skills and competences

love nature and literature

Other skills and competences

Professional association member:
- Romanian Association of Vegetal Cell and tissue Culture (1994 - până în prezent);
- Multidisciplinary Research Association from Vest part of Romania (1997 - până în prezent);
- Romanian Society of Cell Biology (1988-1998).

Driving licence

No

Additional Informations

Referent Persons: Prof. dr. Elena Badea; Prof. Dr. Gabriel Nedelea, BUASVM Timișoara

Annexes

RESEARCH CONTRACTS LIST; SCIENTIFIC WORKS LIST, BREVETS, BOOKS

Data: 10.06.2012

prof.univ.dr. Botau Dorica

ANEXA

Research Projects at Banat's University of Agricultural Sciences and Veterinary Medicine Timișoara :

Nr.crt.	Project Title	Period	Calitatea	Program
International Projects				
9	" The durable management of genetic vegetal resources from Romanian West region – essential part of environmental protection	2003	colaborator	programul PHARE, in colaborare cu Universitatea din Szeged
10	"Cross-border cooperation regarding the management genetic vegetal patrimony and some expert preparation in the frame – essential part of Romanian West region and South Hungary Plane development "	2004	colaborator	programul PHARE, in colaborare cu Universitatea din Szeged
11	" Cross-border cooperation, premise for a communal integrate management frame of genetic vegetal resources "	2005	colaborator	programul PHARE, in colaborare cu Universitatea din Szeged
National Projects				
12	" <i>In vitro</i> regeneration, multiplication and regenerants acclimatization at mangold"	1990-1992	assistent coordinator	ICCPT Fundulea
13	"Biotechnologies using in new genotypes obtaining at cultivated plants "	1991-1994	assistent coordinator	MEN
14	" Transgenic plants obtaining by genetic engineering techniques "	1995-1998	colaborator	MCT
15	"Researches regarding <i>in vitro</i> cultivation of vegetal cell and tissues to obtain biologic active substances"	1999-2000	assistent coordinator	MCT
16	" <i>In vitro</i> " mutagenesis using at <i>Solanum melongena</i> to select utile somatic variability "	2000-2003	assistent coordinator	RELANSIN program
17	"Researches regarding transfer and stability of transgenes expression in vegetativ and sexual descendance at <i>Solanum</i> species "	2001-2004	assistent coordinator	BIOTECH program
18	"Study of agronomic, economic and ecologic impact of modern biotechnology products in Romanian agriculture"	2003-2005	assistent coordinator	BIOTECH program
19	"Promovation and extension of sustenable, unpoluant and efficient technologies at potato culture "	2001-2004	colaborato	Mondial Banck project
20	" Field testing and molecular characterization of genetic modified potato by <i>cry III A</i> gene transfer to conferre rezistance at Colorado beetle"	2006	colaborator	CNCSIS
21	"Improvement of forage properties at alfalfa by modification plant architecture by means of biotechnological methods "	2006-2008	colaborator	CEEX
22	Somatic variability induction at different medicinal plants for their therapeutic properties improvement	2007-2010	director	IDEI

Articole publicate în reviste recunoscute de CNCSIS – categoriile B+ și B 2005-2012

Nr.crt.	Autors	Year of publication	Article Title	Journal B+ and B	Results financed from project
1	Botău Dorica, Danci Oana, Danci Marcel,	2005	" <i>In vitro</i> " medium term preservation of different Romanian landraces,	Acta Biologica Szegediensis, vol. 49, nr.1-2, p.41-42.	Contract RO2003/005.702.02-13; Valoare totala 54.000 Euro ; 2005

2	Botău Dorica, Falcan Camelia, Nedelea Gabriel, Șulea Diana	2005	The agronomic value of some mutant auberine lines obtained using eggplant "in vitro" techniques,	Simpozion științific internațional, „Realizări și perspective în agricultură”, Chișinău, 118-121.	Contract 01-5-PED-169; Valoare totala 125.000; 2001-2004
3	Botău Dorica	2006	The study of „in vitro” induced somaclonal variation in egg-plants (<i>Solanum melongena</i> L.),	Buletinul USAMV Cluj-Napoca, seria Zootennie și Biotehnologii, vol.62, p.178-181.	Contract 03-5-PED-3255; Valoare totala 53.500 Euro ; 2003-2005
4	Botău Dorica, Mihacea S., Petolescu C., Furdi F.,Gergen I., Hărmanescu Monica	2008	The evaluation of variability induced by in vitro culture on <i>Momordica charantia</i> , using RAPD markers	Buletinul USAMV Cluj-Napoca, seria Animal Science and Biotechnologies, vol.65, p.312-315, ISSN 1843-5762, electr.1843-536x	Contract ID-731; Nr.409/2007; Valoare totală 1.000.000; 2007-2010
5	Botău Dorica, Lazăr Alexandru, Frañț Alexandra, Ciulca Sorin, Bolda Vanda	2009	Callus culture and cells suspension in <i>Momordica charantia</i>	Journal of Horticulture, Forestry and Biotechnology, vol.13,2009, p.447-453. Timișoara	Contract nr. 409/2007 , cod ID_731
6	D. Botau, I.Ianculov, S.Ciulca, M.Cucu, A.Lazar, V.Bolda	2009	Biochemical assessment of somatic variability induced in some plant species with hypoglycemic effect,	Proceedings of Research people and actual tasks on multidisciplinary science, Lozenec, Bulgaria, ISSN 1313-7735	Contract nr. 409/2007 , cod ID_731
7	Dorica Botau, Alexandru Lazar, Sorina Mihacea, Cerasela Petolescu, Monica Harmanescu, Iosif Ianculov, Sorin Ciulca, Ioan Gergen	2009	Researches regarding somatic variability induced by cell suspension on Bitter melon (<i>Momordica charantia</i> L.) ,	Proceedings of 44th CROATIAN AND 4th International Symposium on Agriculture, ISBN 978-953-6331-67-3	Contract nr. 409/2007 , cod ID_731
8	Botău Dorica, Frañț Alexandra, Hărmanescu Monica	2010	Assessment of variability in regenerate of <i>Momordica charantia</i> by determining total antioxidant capacity	Journal of Horticulture, Forestry and Biotechnology, vol.14,2010, p.447-453. Timișoara	Contract nr. 409/2007 , cod ID_731
9	Botău Dorica, Lazăr Alexandru, Bolda Vereș Vanda, Marcel Danci, Simina Alina	2010	Quantitative determination of compounds in cell cultures of bilberry anthocyanins by spectrophotometry	Journal of Horticulture, Forestry and Biotechnology, vol.14,2010, p.447-453. Timișoara	Contract nr. 409/2007 , cod ID_731

10	Botau Dorica, Ciulca Sorin, Frant Alexandra	2010	The field yield of <i>Momordica charantia</i> L. regenerants obtained by in vitro cultures	Proceedings of 45th CROATIAN AND 4th INTERNATIONAL SYMPOSIUM ON AGRICULTURE, ISBN 978-953-6331-67-3	Contract nr. 409/2007 , cod ID_731
11	Iosif Ianculov, Dorica Botau, Despina-Maria Bordean, Mioara Cucu, Vanda Bolda, Petronela Pruna	2010	Determination of total proteins in gemotherapeutic preparations with the Folin-Ciocalteu reagent	<i>Romanian Biotechnological Letters Vol. 15, No. 4,</i>	Contract nr. 409/2007 , cod ID_731
12	Dorica Botau, Sorina Popescu, Monica Hărmănescu, Iosif Ianculov, Sorin Ciulca, Alexandra Franț	2011	Variability study of the some biochemical traits in <i>Momordica charantia</i> cell lines	<i>Romanian Biotechnological Letters Vol. 16, No.1, 2011, Sup.</i>	Contract nr. 409/2007 , cod ID_731
13	Bolda Vanda, Dorica Botau,	2011	Research on the composition of macroelements , microelements and heavy metals of some wild bilberry (<i>Vaccinium myrtillus</i> L) calluses obtained by in vitro cultures	<i>USAMV Iasi, Lucrari stiintifice, vol. 54, nr.2 / 2011, seria Agronomie, ISSN prin1454-7414 t; ISSN electr.2069-7627</i>	
14	Bolda Vanda, Dorica Botau, Reka Szollosi, Andrea Peto, Agnes Galle, Irma Tari	2011	Studies on elemental composition and antioxidant capacity in callus cultures and native plants of <i>Vaccinium myrtillus</i> L local population	<i>Acta Biologica Szegediensis, Nr.52 (2), 2011</i> <i>www.sci.u-szeged.hu/ABS</i>	

Published articles in CNCSIS journals –C category

Nr.crt.	Autors	Year of publication	Title of article	Publication journal	Results financed from project
1.	Botău Dorica	2004	The somaclonal variability of forage beet cultivated in the field,	<i>Biotehnologie și Biodiversitate</i> , Ed. Agroprint, Timișoara, 225-228	Contract 03-5-PED-3255; Valoare totala 53.500 Euro ; 2003-2005
2	Botău Dorica, Dragoescu Cerasela, Franțescu Mirela,	2004	Researches concerning the influence of hormonal balance and genotype upon „in vitro” regeneration and multiplication on strawberry (<i>Fragaria x ananassa</i>),	<i>Biotehnologie și Biodiversitate</i> , Ed. Agroprint, Timișoara, 1-4.	Contract RO2002/000-628-03; Valoare totala 53.500 Euro ; 2004
3	Botău Dorica	2004	Factors influencing the fermentation process of probiotic lactic bacteria,	Analele Univ. Ordea, p.115-118	Contract RO2002/000-628-03; Valoare totala 53.500 Euro ; 2004

4	Botău Dorica	2005	The salt stress influence on oat (<i>Avena sativa</i> L.) callus regeneration,	<i>Biotehnologie și Biodiversitate</i> , seria a IX-a, Ed. Agroprint, Timișoara. 85-88.	Contract RO2003/005.702.02-13; Valoare totala 54.000 Euro ; 2005
5	Botău Dorica	2005	The study on agronomic value of some mutant lines ussing eggplant <i>in vitro</i> techniques,	Cercetari stiintifice, p. II, Horticultura, ed. Agroprint, Timișoara, p.37-40,ISSN 1453-1402.	Contract 01-5-PED-169; Valoare totala 125.000; 2001-2004
6	Botău Dorica, Lazăr A., But S.	2007	Cell biomass producing to <i>Vitis vinifera</i> in different system cultures,	Cercetări Științifice, Horticultură-Ingenierie genetică, p.284-288, ISSN 1453-1402.	Contract RO2003/005.702.02-13; Valoare totala 54.000 Euro ; 2005
7	Botău Dorica, Franț Alexandra	2008	Researches regarding in vitro cultures conditions influencing on <i>Momordica charantia</i> L. regeneration	Cercetări Științifice, Horticultură-Ingenierie genetică, p.48-50, ISSN 1453-1402	Contract ID-731; Nr.409/2007; Valoare totală 1.000.000; 2007-2010

Brevets / Products as intelectual property

Nr.crt.	Autors	Attainment brevet year	Brevet / product Title
1	Ianculov Iosif, Botau Dorica, Ciulca Sorin, Palicica Radu, Halmagean Lucian, Crisan Simona, Lazar Alexandru	2010 Nr.brevet : 125280	Gemotherapic preparation for non-insulino-dependent diabets pe treatment based on <i>Momordica charantia</i> OSIM brevet application Nr: A/00742 din 22.09.2008
2	Botau Dorica, Ianculov Iosif, Sărăndan Horea, Lazăr Alexandru, Tudor Constantin	2009 brevet application	Medicamenthary Compozition based on vegetal tissues cultivated <i>in vitro</i> for non-insulino-dependent diabets pe treatment OSIM Nr.: A/00688 din 08.09.2009
3	Botau Dorica, Ianculov Iosif, Sărăndan	2010 brevet application	Pharmaceutical natural preparation for some cancer forms tratamentul iOSIM Nr.: A/00282 din 25.03.2010
4	Ianculov Iosif, Botau Dorica, Ciulca Sorin, Palicica Radu, Cucu Mioara, Frant Alexandra	2010 brevet application	Obtaining proceeding of gemotherapic preparation based on plants and mashroms OSIM Nr.: A/00498 din 08.06.2010

BOOKS, MONOGRAFIES, TRATATS PUBLISHED IN FRAME OF LICENCE PROGRAM 2005-2010

Nr. crt.	Autors	Title	Publesh year	Editure, ISBN	Număr pagini
1.	Botău Dorica	Biotehnologii industriale	2006	EUROBIT	306
2.	Botău Dorica	Biotehnologii horticole	2006	EUROBIT	201

Premii

- Gold Medal at Expozition of inventions Geneva 2010
- Silver Medal at Expozition of inventions Bruxelles – EUREKA 2010
- AGRO ARCA Plaque at Expozition of inventions AGRO ARCA, Zagreb, 2010
- Gold Medal at Expozition of inventions EUROINVENT, Iasi, 2010
- WOMAN INVENTOR Diploma at Expozition of inventions EUROINVENT, Iasi, 2010.
- Gold Medal at Expozition of inventions PROINVENT , Cluj-Napoca, 2010
- State Univ.of Medicine and Pharmacy " Nicolae Testemitanu" Diploma ,Chisinau
- Excelence Diploma ANCS, 2010
- Excelence Diploma of de Horticulture and Forestry Fac., USAMVB Timisoara
- Gold Medal at Expozition of inventions EUROINVENT, Iasi, 2011
- Gold Medal at Expozition of inventions PROINVENT , Cluj-Napoca, 2011
- Medicine Award Premiulm at Expozition of inventions EUROINVENT, Iasi, 2011
- GOGU CONSTANTINESCU Order in commander grade, at Expozition of inventions PROINVENT , Cluj-Napoca, 2012