

**Europass
Curriculum
Vitae**



Personal information

First name(s) / Surname **Dobrota Cristina Teodora**
 Address(es) 1 Brancusi St, 400084, Cluj-Napoca, Romania
 Telephone(s) 0040264 553969,
 Mobile 0040741055215
 Fax(es) 0040264591906
 E-mail cristina.dobrota@ubbcluj.ro
 Nationality Romanian
 Date of birth 02 10 1961
 Gender F

Work experience

Dates **2009 - 2017**
 Occupation or position held Director of the Institute of Technology
 Main activities and responsibilities

- Formulating policies, guidelines and operating procedures for program management services
- Coordinating the preparation, appraisal, approval and revision of project proposals
- Planning, implementing and monitoring the implementation of research projects
- Managing technological applications
- Running joint projects in two international partnerships with InnoChemTech GmbH, Germany and SMART+. SME Go Global Networks, EU and one project at national level (2010-2011)
- Providing cooperation with the business community

 Name of employer Babes-Bolyai University, 1 Kogalniceanu St., Cluj-Napoca, Romania
 Type of business or sector

- Management of research and technology

Dates **2008-to 2012**
 Occupation or position Dean of the Faculty of Biology and Geology, Reader PhD
 Main activities and responsibilities

- Planning, implementing and monitoring the strategic development of the faculty which consists of 100 employees and more than 1000 students.
- Coordinating the activities of the faculty
- Establishing partnerships with national and international organizations
- Managing conflicting priorities
- Selecting, evaluating and promoting the personnel

 Name of employer Babes-Bolyai University, 1 Kogalniceanu St. Cluj-Napoca, Romania
 Type of business or sector

- Management of higher education

Dates	2006 – to present
Occupation or position	Manager of the Ecotoxicology Lab
Main activities and responsibilities	<ul style="list-style-type: none"> • Coordinating and carrying out procedures according to international standards • Testing poorly soluble pure organic compounds, poorly soluble mixture of organic substances, poorly soluble inorganic materials, volatile substances, waste waters and environmental samples containing water and sediments, coloured and turbid samples, compounds of heavy metals, chemicals incorporated into soils. • Assessing the effects of pollutants through phytotoxicity and microbiological tests • Preparing written reports and documents for the clients
Name of employer	Ecotoxicology Lab, Babes-Bolyai University, 1 Kogalniceanu St. Cluj-Napoca, Romania
Type of business or sector	<ul style="list-style-type: none"> • Management of the Environmental Analyses Lab
Dates	1990-to present
Occupation or position	Academic positions: Assistant professor (1990-1995), Lecturer (1995-2001), Assoc. Prof. PhD (2001-
Main activities and responsibilities	<ul style="list-style-type: none"> • Teaching and research activity • Courses taught: Ecological Plant Physiology, Environmental Policy, Biochemistry and Molecular Biology of Plants and Crop Ecology • Research topics: Life in extreme environments, Plant mineral nutrition, • Research Guidance: Undergraduate Research Projects guided- 68 (1995-2016) M. Sc. Project Guided: 17 • Funded Research Projects(1990-2016) International projects, working as principal investigator: 7 - financed by the Institute of Space and Astronautical Science, Tokyo, Japan (1), University of Pisa, Italy (1), European Union (3), Ehime University (1), InnochemTech (1). National projects, working as manager: 7, working as principal investigator 6, working as co-investigator 4, financed by the Ministry of Education and Research, Romania
Name of employer	Babes-Bolyai University, 1 Kogalniceanu St ,Cluj-Napoca, Romania
Type of business or sector	<ul style="list-style-type: none"> • Education, research – R&D
Dates	1996-1997
Occupation or position	Scientific researcher
Main activities and responsibilities	<ul style="list-style-type: none"> • Researches in astrobiology concerning life in extreme environments
Name of employer	Institute of Space and Astronautical Sciences, Tokyo, Japan
Type of business or sector	Research
Dates	1988-1990
Main activities and responsibilities	Scientific researcher <ul style="list-style-type: none"> • Researches in biotechnology. Setting up the experimental design, running the experiments • Handling of different model and non-model plants (<i>Arabidopsis thaliana</i>, <i>Nicotiana benthaminana</i>, <i>Phaseolus vulgaris</i>, <i>Zea mays</i>), both <i>in vitro</i> and in the greenhouse
Name of employer	Biological Research Center, 48 Republicii St., Cluj-Napoca, Romania
Type of business or sector	Research

Education and Training

Dates **2015**
Qualification awarded Habilitation nr. 3216/18.02.2015
Subjects/occupational skills covered Thesis title: Contributions to recent research advances in plant stress physiology
Name of organisation providing education Ministry of Education and Research, Romania

Dates **1997-1999**
Qualification awarded M.Sc. – specialized in Political Sciences. Thesis grade:10 over 10
 Thesis title: New policies for limiting water pollution. Advisor: Professor David Ringsmuth, PhD
 Environmental policy analysis and program evaluation, social statistics, political psychology
Name of organisation providing education Pittsburgh University, The Center for Russian and East European Studies, USA and the Faculty of Political Sciences and Public Administration, Babes-Bolyai University, Cluj-Napoca, Romania

Dates **1990-1995**
Qualification awarded PhD – specialized in Biology. Outstanding PhD thesis
Principal subjects/occupational skills covered Thesis title: Influence of phytohormones on mineral nutrition of maize plants. Advisor: Professor M. Trifu, PhD
 Setting up the experimental design, running the experiments, writing the PhD thesis in Plant Physiology.
Name of organisation providing education Babes-Bolyai University, 1 Kogalniceanu St, Cluj-Napoca, Romania

Dates **1980-1984**
Qualification awarded BSc – specialization in Biology, Total average: 9,74 over 10
Subjects/occupational skills covered Plant Physiology, Exobiology, Environmental Policy - teaching and research competences.

Mother tongue(s) Romanian

Other language(s)

Self-assessment
European level ()*

English

French

German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C2	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
C1	Independent user	C1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

Social skills and competences

- Good capacity to adapt to social changes; involvement in making and running joint projects.

Organisational skills and competences

- Solid organizational, communication, and time management skills.
- Outstanding team leadership, behavioral management, and conflict resolution skills. Exceptionally organized and disciplined; possess well-developed interpersonal skills and the ability to motivate and direct others in a supportive, cooperative team environment.

Technical skills and competences

- Generate and maintain records and reports, secure equipment and supplies, and comply with all administrative policies and regulations
- Developing process improvement initiatives

Professional awards

- **Awards of Babes-Bolyai University:** Excellency in scientific research (2002), Representative award (2008), Professor of the Year (2009, 2010), Management of Higher Education Award (2011), Dean of the Students Award (2011, 2012, 2013, 2015).
- **Research paper awards**
 - **PN-II-RU-PRECISI-2012-6-0755**, for the papers: Physico-chemical and biological studies on water from Aries River (Romania).
 - **CNCISCDU 2015** Characterization of Halophilic Bacterial Communities in Turda Salt Mine, *Origins of Life and Evolution of Biospheres*, DOI: 10.1007/s11084-014-9375-4
 - **PN-II-PRECISI-2016 Dobrotă, C., Lazăr, L., Baciuc, C., (2015)** Assessment of physiological state of *Betula pendula* and *Carpinus betulus* through leaf reflectance measurements, *Flora*, 216, 26-34.
- Ioan Slavici award for literature, 2014
- Alexandru Macedonski award for literature, 2015

Additional information

- Project evaluator and rapporteur in the program FP7-SPACE-2011-4, FP7-SPACE-2012-1, FP7-SPACE-2013-1 and in the program FP7-PEOPLE-IEF-IIF-IOF-2011, FP7-PEOPLE-IEF-IIF-IOF-2012, FP7-PEOPLE-IEF-IIF-IOF-2013, HORIZON 2020, SPACE-COMPET 7, 2014, H2020-TWINN, 2015, H2020 RUR 2016, H2020-Marie Skłodowska-Curie Individual Fellowships, (MSCA-IF) 2017 of European Commission
- Project evaluator for The National Centre for Research and Development in Poland call 2/1.2/2017/Operational Programme Smart Growth, InnoNeuroPharm, 2017
- H2020-Marie Skłodowska-Curie COFUND Programme - LEaDing Fellows Panel (LFP), External Peer Delft University of Technology, Leiden University, Erasmus University Rotterdam, Leiden University Medical Centre and Erasmus University Medical Centre.
- TAIEX expert on Horizon 2020 Small and Medium Sized Enterprise Projects, ETT 60373: Ministry of Education, Science and Technological Development and Chamber of Commerce and Industry of Serbia, Belgrad, 2015,
- TAIEX expert on Capacity Building on Horizon 2020, ETT 61354: The Ministry of Environment and Natural Resource Protection, Georgia, Tbilisi, 2016
- TAIEX expert on Capacity Building and Innovation Incubator, ETT63785, Academy of Economic Studies of the Republic of Moldova, Chişinău, 2017
- TAIEX expert on The Triple Helix Model for Innovation, ETT 60360, Azerbaijan National Academy of Sciences, Scientific Innovations Centre, Baku 2017
- TAIEX expert on Support to Western Balkan Chamber Investment Forum in the field of SME Internationalisation, INT MARKT 63373, Foreign Trade Chamber of Bosnia and Herzegovina, Sarajevo, 2017
- TAIEX expert on School Management, INT MARKT 65175, Ministry of Education of Republic of Azerbaijan 2017
- TAIEX Expert on Biomedical Engineering: Biomedical Signals, ETT 65374, Bosnia and Herzegovina, Banya Luka, 2018
- JRC Expert in European Strategy for Research, 2006 and in Danube Strategy in 2013.
- ARACIS Evaluator Life Science Panel
- ANCS Evaluator POC 1 Research Development, Technology and Innovation (CDI)
- UEFISCDI Evaluator 2016-2017, CNCSIS evaluator and program monitor 2006-2009
- National representative in the Executive Council of European Astrobiology Network Association (2005-2017)
- Publications - 6 books of Plant Physiology, 1 book on academic Governance, 1 textbook of Biology, 92 research papers, 3 translated books
- Working on 27 international and national research projects as director (16) member (11)
- Carrying out partnerships between Babes-Bolyai University and universities from South Korea and China
- In-depth understanding of public policy issues, sustainable development and the specific problems facing Eastern-European countries.

List of papers

- Dobrotă, C.**, Lazăr, L., Baciuc, C., (2015) Assessment of physiological state of *Betula pendula* and *Carpinus betulus* through leaf reflectance measurements, *Flora*, 216, 26-34.
- Baciuc, C., Lazăr, A., Roba, C., Dicu, T., Pop, C., Rogozan, C., **Dobrotă C.**, (2014) Impact of the past mining activity in Roșia Montană (Romania) on soil and vegetation, *Environ. Earth Science.*, **72**, 11, 4653-4666
- Maior, M., **Dobrotă, C.**, (2013), Natural compounds discovered in *Helleborus* sp. (*Ranunculaceae*) with important medical potential, *Cent. Eur. J. Biol.*, **8**, 3, 272-285.
- Carpa, R., Keul-Butiuc A., Barbu-Tudoran L., Muntean V., **Dobrotă C.**, (2012), Poly-hydroxybutyrate accumulation in consortia from different environments. *Can. J. of Microbiol.*, **58**, 5, 660-667.
- Butiuc-Keul, A., Momeu, L., Crăciunaș, C., **Dobrotă, C.**, Cuna, S., Balas, G., (2012), Physico-chemical and biological studies on water from Aries River (Romania), *J Environ. Manag.*, **95**, 3-8, DOI: [org/10.1016/j.jenvman.2011.04.017](https://doi.org/10.1016/j.jenvman.2011.04.017).
- Dobrotă, C.** (2006), Energy dependant plant stress acclimation, *Rev. Environ. Sci. Biotechnol*, **5**, 243-251.
- Dobrotă, C.:** (2004), The biology of phosphorus In Phosphorus in Environmental Technology: Principles and Applications, (Valsamy-Jones, E., Gray, R. Eds), IWA Publishers, London, 51-77.
- Negishi, Y., Hashimoto, A., Tsushima, M., **Dobrotă, C.**, Yamashita, M., Nakamura, T., (1999), Growth of Pea Epicotyl in Low Magnetic Field. Implication for Space Research, *Adv. in Space Res.*, **23**, (12), 2029-2032.
- Deliu, C., Tămaș, M., **Dobrotă, C.**, Deliu, C. (1992), Kinetics of Cellular Growth and Diosgenin Biosynthesis in *Dioscorea caucasica* Cell Suspensions, Cultured in Batch System. *Plant Science*, **85**, 99-105.
- Podar, D., **Dobrotă, C.**, Trifu, M. (2004) Uptake of heavy metals by maize (*Zea mays*) plants cultivated on mine spoils *Studia Univ. Babeș-Bolyai, Biol.*, **49**(1), 45-60.

Doctoral thesis

“Influența stimulatoarelor de creștere asupra nutriției cu azot, fosfor și potasiu la plante hibride de porumb”, coordinator științific prof. dr Mihai Trifu, susținută la Universitatea Babeș-Bolyai, Cluj-Napoca.

Books

1. **Dobrotă, C.** (2013), Fiziologia plantelor, vol II, Ed Risoprint, 302 pg. ISBN 978-973-53-0929-9
2. **Dobrotă, C.**, Roba C., (2012), Ecologia plantelor de cultură, Ed. Risoprint, 241 pg, ISBN 978-973-53-0928-2
3. **Dobrotă, C.** (2010), Fiziologia plantelor, vol I, Ed Risoprint, 314 pg. ISBN 978-973-53-0444-7, reeditat în 2012, ISBN 978-973-53-0445-4,
4. **Dobrotă, C.** (2005), Fiziologia plantelor Ed. Politehnica Press, Bucuresti, 251 pg., ISBN 973-0-04256-X, reeditare (2011), ISBN 978-606-515-198-7.
5. **Dobrotă, C.**, Yamashita, M., (1999), Creșterea și dezvoltarea plantelor, Ed. Gloria, Cluj, 232pg, ISBN 973-9203-53-1.
6. **Dobrotă, C.**, Lorincz, R., Lorincz, E., (2000), Biologie,” Ed. Niculescu, București, 146pg, ISBN 973-568-415-2.
7. **Dobrotă, C.**, Cocean, R., Bogdan, A., Bucur, I., Bălăceanu, C., Dobre, E., Agachi, P., Herbil, M., *Guvernanta universitara*, (2011), Ed.. UEFISCDI, (98pg. http://www.management-universitar.ro/UserFiles/File/Module/6_Guvernanta%20universitara.pdf

Chapters in international publications

1. **Dobrotă, C.** (2007), Energy dependent plant stress acclimation In Life in Extreme Environments, (Amils Pibernat, R.; Ellis-Evans, C.; Hinghofer-Szalkay, H.G. (Eds.), Springer, 277-285
2. **Dobrotă, C.** (2004), Phosphorus in Environmental Technology: Principles and Applications, (Valsamy-Jones, E., Gray, R. Eds), IWA Publishers, London, 51-77

Chapters in national publications

1. Barna A., **Dobrota C.**, Szallasy, M., Gyorgy, K. (2008) Studii cercetari si modele in didactica biologiei in Sinteze de didactica universitara. Didactica interactiva, 14 pp.
2. **Dobrotă C.:** (2002), Reacții de carboxilare în fotosinteză In Pregătirea examenului pentru gradul II în învățământ, Ed Albastră, Cluj, 53-65.
3. **Dobrotă C.:** (2002), Utilizarea substratului respirator la plante In Suporturi pentru pregătirea examenului de definitivare în învățământ, Ed. Albastra, Cluj, 91-101.
4. **Dobrotă, C.:** (2002), Particularități ale procesului de fotosinteză la plante In Suporturi pentru pregătirea examenului de definitivare în învățământ, Ed. Albastra, Cluj, 75-90.
5. **Dobrotă, C.:** (2001), Respirația la plante- mecanisme, influența factorilor de mediu In Biologie. Definitivare în învățământ. Ed. Casa Cărții de Știință, Cluj-Napoca, 94-104.
6. **Dobrotă, C.:** (2001), Fotosinteza-rolul pigmentilor similatori, mecanismul, influența factorilor de mediu In Biologie. Definitivare în învățământ. Ed. Casa Cărții de Știință, Cluj-Napoca, 81-94.
7. **Dobrotă, C.:** (2001), Tipuri de carboxilare fotosintetică In Biologie. Gradul didactic II în învățământ. Ed. Casa Cărții de Știință, Cluj-Napoca, 42-54.
8. **Dobrotă, C.**, Barna, A (1998), Uj életmód megalapozása a környezeti nevelés folyamataiban . A tanár, mint folyamatos - irányító. Alternatív stratégiák a környezeti nevelésben, Stúdium Könyvkiadó, 54-60.
9. **Dobrotă, C.**, Barna, A (1997), Educația ecologică, temelia unui mod de viață. Profesorul mediator în Metode participative în educația ecologică. Ed. Studium, 15-19,.

Papers published in ISI journals

1. **Dobrotă, C.**, Lazăr, L., Baciuc, C., (2015) Assessment of physiological state of *Betula pendula* and *Carpinus betulus* through leaf reflectance measurements, *Flora*, 216, 26-34. (IF 1.472)
2. Baciuc, C., Lazăr, A., Roba, C., Dicu, T., Pop, C., Rogozan, C., **Dobrotă C.**, (2014) Impact of the past mining activity in Roșia Montană (Romania) on soil and vegetation, *Environ. Earth Science*, **72**, 11, 4653-4666 (IF 1.572)
3. Carpa, R., Lupan, I., **Dobrota C.**, (2014) Characterization of Halophilic Bacterial Communities in Turda Salt Mine, *Origins of Life and Evolution of Biospheres*, DOI: 10.1007/s11084-014-9375-4 (IF, 1,765)
4. Maior, M., **Dobrota, C.**, (2013), Natural compounds discovered in *Helleborus* sp. (*Ranunculaceae*) with important medical potential, *Cent. Eur. J. Biol.*, **8**, 272-285. (IF 0.818)
5. Carpa, R., Keul-Butiuc A., Barbu-Tudoran L., Muntean V., **Dobrota C.**, (2012), Poly-hydroxybutyrate accumulation in consortia from different environments. *Can. J. Microbiol.*, **58**, 5, 660-667. (IF 1,182)
6. Butiuc-Keul, A., Momeu, L., Crăciunaș, C., **Dobrotă, C.**, Cuna, S., Balas, G., (2012), Physico-chemical and biological studies on water from Aries River (Romania), *J Environ. Manag.*, 95, 3-8, DOI: [org/10.1016/j.jenvman.2011.04.017](https://doi.org/10.1016/j.jenvman.2011.04.017) (IF 3,18)

7. Carpa R., Butiuc-Keul, A., **Dobrotă, C.**, Muntean, V., (2010). Molecular identification of diazotroph microbial consortia in mountain soil. *Cent. Eur. J. Biol.* 5, 664-673, (IF 0.818)
8. Negishi, Y., Hashimoto, A., Tsushima, M., **Dobrotă, C.**, Yamashita, M., Nakamura, T., (1999), Growth of Pea Epicotyl in Low Magnetic Field. Implication for Space Research, *Adv. in Space Res.*, **23**, (12), 2029-2032. (IF 1,238)
9. Deliu, C., Tămaș, M., **Dobrotă, C.**, Deliu, C. (1992), Kinetics of Cellular Growth and Diosgenin Biosynthesis in *Dioscorea caucasica* Cell Suspensions, Cultured in Batch System. *Plant Science*, **85**, 99-105 (IF 4,114)

Papers published in ISI indexed journals

1. Lazăr, L., **Dobrota, C.**, Baciuc, C., Pop, I., C., (2011) A Complex Approach on Environmental Monitoring in Mining *Studia Univ.Babes-Bolyai*, **56**, 1, 73-80.
2. Maior, M. Carpa, R., **Dobrotă, C.**, (2011), The enzymatic activity of some soils populated with *Helleborus purpurascens*, *Ann. Rom. Soc. for Cell Biol.* Vol. **XVI**, 1, 49-54
3. Harsan, E., Silaghi Dumitrescu, L., **Dobrotă, C.**, Chis, L., Somsai, A., (2011), The Effect of Dimethyltin Phenylarsonate on the Roots, Shoots and Rhizogenesis of *Chrysanthemum in vitro*, *Bull USAMV*, **68** (1), 28-32.
4. Carpa, R., **Dobrota C.**, Keul A.L., Maior M.C., Muntean V., Dragan-Bularda M., (2010), Influence of pH on growth and nitrogen fixation in bacterial strains isolated from altitudinal vegetation zones of Parâng Mountains (Romania), *Ann. of Univ. Oradea, Fasc. Biol.*, **XVII** (1), 76-83.
5. **Dobrota C.**, Carpa, R., (2009), The influence of shielded magnetic field on the cell viability and nitrogenase activity of *Azotobacter chroococcum*, *ELBA Bioflux*, **1** (1), 1-11.
6. **Dobrota C.**, Mereuta, R., Carpa, R., (2009), Influence of heavy metals from the ambient air on nitrogen, phosphorus and potassium content of maize plants (CV. Turda 200), *Studia Univ.Babes-Bolyai, Biol*, **54**, 2, 47-56.
7. Mereuta R., **Dobrota C.** (2008), Influence of heavy metals contained in simulated rainfall on water status and yield components of maize components (Turda 200) *Studia Univ.Babes-Bolyai, Biol*, **53**, 47-55.
8. Groza, L., **Dobrota, C.**, (2006), Effects of copper and zinc on strawberry (*Fragaria ananassa* D.) fruit Quality, *Studia Univ. Babes-Bolyai, Biol* **46**, 23-30.
9. **Dobrotă, C.** (2006), Energy dependant plant stress acclimation, *Rev. Environ. Sci. Biotechnol*, **5**, 243-251. (IF 2,26)
10. Fodorpataki, L., **Dobrota, C.** (2006), Bioindication of water pollution using physiological parameters of green microalgae- *Romanian Biological Sciences*, 59-66.
11. Groza, L., **Dobrota, C.**, (2005), Influența microelementelor cupru și zinc asupra dinamicii fosforului în frunzele de căpșun (*Fragaria ananassa* D.), *Studia Univ. Babes-Bolyai, Biol* **45**, 59-65.
12. Sofineti, M., **Dobrota, C.**, (2004), Controversa româno-ucrainiană în problema canalului Bistriei *Transylv.Rev of Admin.Sci.*, UBB, **12**. 158-163. (IF 0.28) <https://doaj.org/article/021fdaaa3b774fa0a9345b9f8b34afaf>
13. Hărșan, E., **Dobrotă, C.**, Balogh, A., Socaciu, C., Silaghi Dumitrescu, L., (2004), The Comparison of the Effects of Organotin Compounds *in vitro* at the *Chrysanthemum* Plants, *Buletinul USAMV-CN*, **58**, 38-44.
14. Podar, D., **Dobrota. C.**, Trifu, M. (2004) Uptake of heavy metals by maize (*Zea mays*) plants cultivated on mine spoils *Studia Univ.Babes-Bolyai, Biol* **49**, 45-60.
15. Barna, R., **Dobrotă C.**, (2004), L'impact du développement touristique sur l'environnement, *Transylv.Rev of Admin.Sci.*, **1**, 9-14. (IF 0.28) <https://doaj.org/article/b1ddb9462f384af79ccd5014450bcd8f8>
16. **Dobrotă, C.**, Keul, A., Yamashita, M., Crăciun, C. (2003), Enzymatic activity and ultrastructural aspects of plantlets maintained in shielded magnetic field, In: Proc. of the Third European Workshop on Exo-Astrobiology, Madrid, Spain.

Ed.: R. A. Harris & L. Ouwehand. ESA SP-545, Noordwijk, Netherlands: ESA Publications Division, ISBN 92-9092-856-5,199 - 200

17. Bercea, V., **Dobrotă, C.** (2003) Conținutul în pigmenți asimilatori al plantulelor cultivate în condiții de ecranare a câmpului magnetic, *Studia Univ.Babes-Bolyai Biol.* **48**, 69-77.
18. **Dobrotă, C.**, Crăciun, C., Silași, R., Hărșan, E. (2002), Aspecte ultrastructurale ale efectelor ecranării câmpului magnetic asupra țesuturilor nediferențiate de cartof, *Analele Soc. Nat. Biol. Cel.* Vol.**VII**, nr.2, Ed. Risoprint, Cluj, pg.148-158.
19. **Dobrotă, C.**, Barna, R., (2002), Analiza diferențială în acțiuni de justiție de mediu, *Transylv.Rev of Admin.Sci*, **2**, 87-91. (IF 0.28) <https://doaj.org/article/5d7783b87d614a13b519301ae825e306>
20. **Dobrotă, C.**, Hărșan, E., Balogh, A., Yamashita, M., Tetean, R. Deac, I. (2002) Utilization of inorganic substrata and production of organic substances by non-differentiated plant tissue cultures cultivated in low magnetic field, Proc. of Second European Workshop on Exo-Astrobiology, 445-447,
21. **Dobrotă, C.**, Scifos, D., (1999), Armonizarea legislației românești cu legislația comunitară în domeniul protecției mediului, *Transylv.Rev of Admin.Sci*, **1**, 26-30, <https://doaj.org/article/3efe70e58be541f8afc1ba896145a466>
22. **Dobrotă, C.**, Melean, G., (1999), Principii și concepte fundamentale ale dezvoltării durabile, *Transylv.Rev of Admin.Sci*, **1**, 22-25. (IF 0.28) <https://doaj.org/article/134cb2d522d049a0955e65600d6dba79>
23. **Dobrotă, C.**, (1999), Relations between growth, chlorophyll content and nitrates distribution in Zea mays growing under nitrogen limitation, *Studia Univ.Babes-Bolyai*, 1-2, 109-116.
24. **Dobrotă, C.**, (1998), Abordarea protecției mediului înconjurător în România în vederea integrării în Uniunea Europeană, *Transylv.Rev of Admin.Sci*, **1**, p 50-53. (IF 0.28)
25. **Dobrotă, C.**, (1998) Strategii politice de protecție a mediului înconjurător, *Transylv.Rev of Admin.Sci*, **1**, p. 1-8. (IF 0.28) <http://rtsa.ro/rtsa/index.php/rtsa/article/view/373/368>
26. **Dobrotă, C.**, Yamashita, M.: (1997-1998), Low Magnetic Field and Extracellular Growth Regulators as Modulators of Cellular Growth in Carnation (*Dianthus sp.*) Callus Cultures", *Contrib. Bot.*, Cluj-Napoca, **II**, 129-133.
27. **Dobrotă, C.**, Yamashita, M. (1997-1998), The effect of low magnetic field on the germination rate and on the growth of maize plants, *Contrib. Bot.*, Cluj-Napoca, **II**, 134-142.
28. Yamashita, M., **Dobrotă, C.** (1997), Biological effects of electromagnetic fields *Biological Science in Space*, **11**, 3, 236-237.
29. Vicol, A., **Dobrotă, C.**: (1995), Callus Induction in *Malva parviflora* and its Use in the Study of Allelopathy Exerted by *Brassica kaber wheeler*. *Rev. Roum. de Biol.* **40** (2), s. *Biol. Veg.*, 105-108
30. **Dobrotă, C.**, Vicol, A., Bechiș, E., Trifu, M. (1994). "The influence of several growth regulators on growth, development and senescence in beans (*Phaseolus vulgaris*)", *Acta Bot. Hort. Bucurestiensis*, p.62-71
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Referees:

Marius Ioan Piso Ph. D.	Romanian Space Agency (ROSA), 21-25 Mendeleev St. 010362 Bucharest, Romania Tel: +40-21-3168722 Fax: +40-21-3128804 Mobile +40722360123	President and CEO
Elena Hutchens Ph. D.	University College Dublin, Industrial Microbiology School of Biological and Environmental Sciences, Belfield, Dublin 4, Ireland Mobile: 00-(353)(0)862021165	Researcher PhD
Helga Stan-Lotter, Ph. D.	University of Salzburg, Division of Molecular Biology, Billrothstr. 11 A-5020 Salzburg, Austria, Mobile: 0043 (0) 699 81223362	Professor of Microbiology

I CERTIFY THAT ALL INFORMATION STATED IN THIS RESUME IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

Assoc. Prof. Habil. Cristina Dobrota PhD

Semnatura 