



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Mihai COSTICĂ**
Address(es) 22 Carol I, Iasi, 700505, Romania
Telephone(s) + 40 0232 20 15 11 Mobile:
Fax(es) + 40 0232 20 15 11
+ 40 0232 20 10 72
E-mail costicamihai13@yahoo.com
Nationality Romanian
Date of birth 01.01.1059
Gender Male

Desired employment / Occupational field

Alexandru Ioan Cuza" University of Iași, Faculty of Biology, Bd. Carol I, 20A, 700505, Iași
Faculty of Biology, Department of Biology
Higher education and research

Work experience

Dates i. 1996 - present
ii. 1990 – 1996

Occupation or position held i. University Lecturer
iii. University Assistant

Main activities and responsibilities

Didactic and research activities:

- i.
- courses, practical works and seminars in specialty
- coordination of field practice in biology
- coordination of graduated and post-graduated works, and for obtaining first degree for teaching in schools
ii.
- practical works in specialty

Name and address of employer "Alexandru Ioan Cuza" University of Iași Faculty of Biology
Bd. Carol I, 20A, 700505, Iași

Education and training

Dates i. 1992 - 1999
ii. 1989 – 1999
iii. 1985 - 1989

Title of qualification awarded i. Ph. D in Biological Science (field - Botany)
ii. MSc in Genetics of microorganisms
iii. BSc in Biology

Principal subjects/occupational skills covered i. Research in flora and vegetation
ii. Research in Genetics of microorganisms
iii. Basic knowledge in Biology field

Name and type of organisation providing education and training i. Alexandru Ioan Cuza" University of Iași, Faculty of Biology
ii. University of Bucharest, Faculty of Biology
iii. "Alexandru Ioan Cuza" University of Iași,
Faculty of Biology - Geography - Geology, section Biology

Mother tongue(s)
 Other language(s)
 Self-assessment
 European level (*)
 (1 - excellent; 5 - basic)

Specify mother tongue
Romanian

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		
2	2	2	2	2	
3	3	4	4	4	

(*) *Common European Framework of Reference for Languages*

Social skills and competences
 Organisational skills and competences
 Technical skills and competences
 Computer skills and competences

Empathy
 Facilitation team activities
 Responsibility
 PC using, Microsoft Office

Didactic activity

Teaching courses
 Systematic botany
 Biodiversity of aquatic and terrestrial environments
 Upper individual biological systems
 Aquatic resources
 Bioindicators of environmental quality
 Phytosociology
 Agroecology
 Algology
Coordinating practical works
 Systematic botany
University books for students
 1 Practical work in Botany
 1 Course in Botany

Scientific activity

Scientific books
 3 scientific monographies (second author)
 1 book chapter in an international publisher
Field of competencies
 Systematic and ecology of Cormophyta
 Systematic and ecology of Algae
 Terrestrial and aquatic ecology
 Bryocoenology
 Phytosociology
 Agroecology
Published scientific papers: 34:
 2 ISI journals , 1 in indexed ISI journal
 21 CNCSIS journals
 10 in proceedings of international scientific meetings
Number of citations: 25
Research projects: 8: as teams member
 4 international projects
 4 national projects
Professional membership
 ASSOCIATE MEMBER OF THE INTERNATIONAL ASSOCIATION FOR VEGETATION SCIENCE
 (since 2001)

Annexes

List of the most representative scientific papers.

18.01.2013

Lecturer,
Mihai COSTICĂ

LIST OF THE MOST REPRESENTATIVE SCIENTIFIC PUBLICATIONS

BOOKS, MONOGRAPHS, UNIVERSITY COURSES

Gheorghe MIHAI, **Mihai COSTICĂ**, (2009). *Mic determinant pentru mușchi și hepatice din România*. Ed. Univ. Al.I. Cuza" Iași, 243 p., ISBN: 978-073-703-424-3

Gh. Mustață, M. Mustață, **M. Costică** (2004). *Regnurile lumii vii*, Ed Casa de Editură Venus, Iași. ISBN: 973-7960-35-1

Costică Mihai., Șurubaru B., (2003). *Botanică sistematică. Talobionta*, Ed. Spiru Haret, Iași, 146 p. ISBN: 973-579-047-5.

Costică Mihai., Șurubaru B., (2003). *Botanică sistematică. Talobionta, Lucrări practice*, Ed. Spiru Haret, Iași, 126, ISBN: 973-579-048-3

Mihai Gheorghe, Pascal Petrache, **Costică Mihai**, (1998). *The liverworts and mosses of Romania*, Edit. Corson Iași 125 p. ISBN: 973-98259-6-6

BOOK CHAPTER AT INTERNATIONAL PUBLISHERS

Ciumasu IM, **Costica M.**, Secu CV, Gurjar BR, Ojha CSP (2013). *Adapting to climate change: technologies, perceptions, education, and perspectives*. In Surampalli RY, Zhang T, OJHA CSP, Gurjar BR (eds.) *Greenhouse Gas Emissions and Climate Change*, ASCE Press (American Society of Civil Engineers), pp. 490-512.

PAPERS/STUDIES IN ISI JOURNALS

Ioan Manuel Ciumasu, **Mihai Costica**, Naela Costica, Mariana Neamtu, Alin Constantin Dirtu, Luiz Felipe de Alencastro, Liana Buzdugan, Ramona Andriesa, Luminta Iconomu, Anisoara Stratu, Ovidiu Alin Popovici, Cristian Vasilica Secu, Codrin Paveliuc-Olariu, Simona Dunca, Marius Stefan, Adrian Lupu, Alina Stingaciu-Basu, Adrian Netedu, Radu-Ionut Dimitriu, Ovidiu Gavrilovici, Mihai Talmaciu, Mioara Borza (2012). **COMPLEX RISKS FROM OLD URBAN WASTE LANDFILLS – A SUSTAINABILITY PERSPECTIVE FROM IASI, ROMANIA** Journal of Hazardous, Toxic and Radioactive Waste, vol. 16 (2): 158-168 ISSN: 2153-5493 e- ISSN: 2153-5515. Impact factor: **0, 323**.

Neamtu M, Ciumasu IM, Costica N., **Costica M**, Bobu M, Nicoara MN, Catrinescu C, Becker van Slooten K, De Alencastro LF (2009). **CHEMICAL, BIOLOGICAL, AND ECOTOXICOLOGICAL ASSESSMENT OF PESTICIDES AND PERSISTENT ORGANIC POLLUTANTS IN THE BAHLUI RIVER, ROMANIA**. Environ Sci Pollut Res Int 16(suppl 1):76–85. ISSN: 0944-1344, OCLC: 31315158. Impact factor: **2,41**.

PAPERS/STUDIES INTERNATIONAL JOURNALS (DATA BASES INDEXED)

Alexandru Dascaluic, Tatiana Călugăru-Spătatu, Alexandru Ciocârlan, **Mihai Costică**, Naela Costică, Anna Krajewska-Patan, Mariola Dreger, Alina Mscisz, Mirosława Furmanowa, Przemysław M. Mrozikiewicz (2008.) **Chemical composition of golden root (*Rhodiola rosea* L.) rhizomes of Carpathian origin**. Herba Polonica. ISSN 0018-0599 vol.54, Nr.4, pp: 17-27.

Herba Polonica is indexed in Chemical Abstracts, International Pharmaceutical Abstracts, Medicinal and Aromatic Plants Abstracts, Review of Aromatic and Medicinal Plants, Herbaia, Nouvelle Revue de Phytothérapie Pratique, Drogen Reports and in the AGRO-LIBREX database.

PAPERS IN NATIONAL JOURNALS (CNCSIS)

Costică Mihai, Anișoara Stratu (2010). *Preliminary aspects concerning the medicinal flora of the Rediu forest (Botoșani county)* Lucrari științifice, vol.53, nr.1: 40-44. Seria Agronomie. Universitatea de Științe Agricole și Medicină Veterinară Iași. http://www.revagrois.ro/PDF/2010_1_42.pdf

Costică Naela, Stratu Anișoara, **Costică Mihai** (2010). *Possible effects of discharge of waste water used by some economic agents from Roman municipality and Neamt County*. Lucrări științifice Univ. Agron. Med. Vet. "Ion Ionescu de la Brad" Iași, ser. Horticultură, vol. 53, nr. 2: 643 - 649.

Costică M. Costica, N., Ștefan, I. Sarbu (2010). *Contribution to the study of the herbaceous vegetation from the Suhard Mountain*. Ann. st. univ. "Al. I. Cuza". tom LVI, fasc.2, s II a. Biol. veg.: 69-78. http://www.bio.uaic.ro/publicatii/anale_vegetala/issue/2010F2/09-2010F2.pdf

Costica M. Costica, N., Ștefan, I. Sarbu (2010). *Contribution to the study of the wood vegetation from the Suhard mountain*. Ann.st. univ. "Al.I.Cuza".tom LVI, fasc.1, s II a. Biol. veg.: 65-81. http://www.bio.uaic.ro/publicatii/anale_vegetala/issue/2010F1/09-2010F1.pdf

Porumb M.A, **Costică M.**, (2008). *Characteristics of the planktonic algoflore from Dorobați, Aroneanu, Ciric I,II and III Lakes (Iași County)*. An.șt.Univ."Al.I.Cuza", tom LIV, fasc.2, s.II a Biol.veg.: 114-121.

Costica M., Costica N., (2008). *A new site in Romania for *Spirulina (Arthrospira) platensis**. Analele Științifice ale Univ. "Al. I. Cuza" Iași, Genetică și

Murariu Alexandrina, Costică Naela, **Costică Mihai**, Stratu Anișoara, Secu Cristian., Rășcanu D., (2007). *Research regarding the pollution influence with heavy metals of soil and vegetation from the area of domestic wastes at Tomești – Iași*. An. Șt. Univ. "Al. I. Cuza" Iași (serie nouă), t. LIII, s. II a. Biol. veg.: 77 – 85.

Costică M., Costică Naela., Toma O. , (2007). *Phytocoenological, histo-anatomical and biochemical aspects in Rhodiola rosea L. species from Romania*. An. Șt. Univ. "Al. I. Cuza" Iași, s II a. Genetică și Biologie Moleculară, VIII, fasc. 2: 119 - 121, ISSN 1582-357.1.

Murariu Alexandrina, Costică Naela, **Costică M.**, Stratu Anișoara, Secu C., Lupașcu Angela, Moglan I., (2006). *Research on the impact of Tomești-Iași dumping site on the environment*. An. Șt. Univ. "Al. I. Cuza" Iași (serie nouă), tom. LII, s. II a. Biol. veget.: 31 – 39.

Costică Mihai, Naela Costică, Anișoara Stratu, (2006). *Flora and vegetation of waste dump of sludge at the sugar factory – Pașcani*, Stud. și cerc.Bacău, Biol, 11: 61 – 63.

Secu C., **Costică M.**, Lupașcu Angela., Costică Naela, Moglan I. (2005). *Aspecte bio - pedo - geografice asupra haldei de deșeuri menajere de la Tomești – Iași*. Factori și procese pedogenetice din zona temperată, tom. IV, serie nouă, Ed. Univ. "Al. I. Cuza ", Iași, p: 273 – 281, ISSN 1582 – 4416.

Costică Mihai, Naela Costică, (2006). *Modifications of phytoplankton structure in the Ciric Lake determined by algal bloom*. Stud. și cerc.Bacău, Biol., 11: 25-26.

Costică Mihai, Naela Costică, (1999) *Coenotic aspects in the Agrostideto tenui-Festucetum rupicolae associations on the Pietricica Peak (Bacău district)*, Universitatea Bacău, Stud. și cerc. Biol., Serie nouă, 4:33 - 36.

Costica Mihai, (1999) *Vegetal associations from the Phragmitetalia W. Koch 26 emend. Pigm. 53 order on the Pietricica Peak (Bacau district)*, Universitatea Bacău, Stud.și cerc., Biol., Serie nouă, 4:37- 46.

Costica Mihai, Naela Costica, (1999). *Medicinal plants from the spontaneous flora of the Pietricica Peak (Bacau district)*, Universitatea Bacău, Stud. și cerc., Biol., Serie nouă, 4:31-32.

Costica Mihai, (1999). *Rare and protected species belonging to the flora of Pietricica Peak (Bacau district)*, Universitatea Bacău, Stud. și cerc., Biol., Serie nouă, 4:29-30.

Costica Mihai, (1996). *Contributions to the knowledge of the flora of the Pietricica Peak (Bacau district)*, Studii si cercetări, Muzeul de Științe Naturale Piatra Neamț, 8:161- 162.

Costica Mihai (1996). *Contributions to the knowledge of the Brioflora of the Pietricica Peak (Bacau district)*, Buletinul Grădinii Botanice Iași, 5:251- 253.

Dumitru Mititelu, Nicolae Barabas, Constantin Barca, **Mihai Costica** (1993) *New contributions to the knowledge of the flora and vegetation of district Bacău*, Stud. și comunic., Muzeu de Științe Naturale Bacău: 81 – 108.

Mihai Costica, Dumitru Mititelu (1993). *Contributions to the knowledge of the flora and vegetation of Pietricica Peak (Bacău district)*, Stud. și comunic., Muzeul de Științe Naturale Bacău: 55-58.

Dumitru Mititelu, **Mihai Costica**, Mariana Parincu (1992). *La flore et la vegetation de la reserve botanique de dunes littorales d Agigea – Constanța*, An. Șt. Univ. "Al.I.Cuza", Iasi, Biol. veg.: 28 (2):35-40.

COMMUNICATION IN INTERNATIONAL CONFERENCES

(2008) Ciomasu IM, **Costica M**, Costica N, Nicoara MN, Neamtu M, Catrinescu C, Bobu M, De Alencastro FL, Becker van Slooten K. Chemical, biological and ecotoxicological assessment of the Bahlui River in Romania: pesticides and persistent organic pollutants. *Environmental Research and Mitigation of Water Pollution in Romania and in the Lower Danube Region*, 03-05.09.2008, București: 72 pp. Conference and communication announced by (Giger W) in *Environmental Science & Pollution Research* 15: 431-435.

(2008) Ciomasu IM, Manolescu I, Costica N, Talmaciu M, **Costica M**, Nita V, Stefan N. Sustainable exploitation of ecosystems using scenarios of sustainable vs. unsustainable economic development: the Ciric River basin, Iasi, Romania. *ISEE 2008: Applying Ecological Economics for Social and Environmental Sustainability*, by the International Society for Ecological Economics (ISEE), Nairobi – United Nations Development Program (UNEP), Kenya, section VII-7.4- Integrated modelling approaches. <http://www.ecoeco.org/conference08/home.php>

(2006) Costica N, Ciomasu IM, **Costica M**. Partnership for human resources development in Romania and the European Union: methodological training of trainers in the field of environmental education. *The Second European Fair on Education for Sustainable Development*, 13-15.09.2006,

(2006) Costica N, Ciomasu IM, **Costica M**. Needs of methodological training of educators in the field of environmental education – the case of Romania. *Université dans la Société – UNISO, édition 2006: L'Université et l'économie – Partenaires dans l'éducation et formation* (in English: *University within Society – UNISO, édition 2006: University and Economy – Partners in Education and Formation*), 18-23.07.2006, Cluj-Napoca, Romania, <http://www.uniso.ro>

(2006) Ciomasu IM, Costica N, Stefan N, **Costica M**. Academic assistance for investors in sustainable development: the approach of the Centre of Expertise for Sustainable Exploitation of Ecosystems – CEXDUREC at UAIC, Iasi, Romania. *University within Society – UNISO, édition 2006: University and Economy – Partners in Education and Formation*), 18-23.07.2006, Cluj-Napoca, Romania, <http://www.uniso.ro>

POSTER COMMUNICATION IN INTERNATIONAL CONFERENCES

(2008) **Costica M**, Surugiu V, Ciomasu IM. Primary producers as related to water quality on the Romanian Black Sea coast: an integrated model based on past and recent evidence. *Environmental Research and Mitigation of Water Pollution in Romania and in the Lower Danube Region*, 03-05.09.2008, București: 104pp. Conference announced by (Giger W) in *Environmental Science & Pollution Research* 15: 431-435.

(2008) **Costica M**, Salaru VM, Salaru V, Navrotescu TM, Ciomasu IM. Algal primary producers and water in the Prut River, in Romania and the Republic of Moldova. Comunicare poster la conferința internațională *Environmental Research and Mitigation of Water Pollution in Romania and in the Lower Danube Region*, 03-05.09.2008, București: 106pp. Conference announced by (Giger W) in *Environmental Science & Pollution Research* 15: 431-435.

(2008) Apetroaiei N, Misaila E, **Costica M**, Misaila C, Porumb M, Apetroaiei MI, Ciomasu IM. Aquaculture and water quality in mountain and lowland freshwaters: case discussion from Bahlui and Bistrita river Basins (lower Danube basin). Comunicare poster la conferința internațională *Environmental Research and Mitigation of Water Pollution in Romania and in the Lower Danube Region*, 03-05.09.2008, București, 95pp. Conference announced by (Giger W) in *Environmental Science & Pollution Research* 15: 431-435.

(2007) Ciomasu IM, Costica N, Stefan N, **Costica M**. Transition to sustainability through learning-by-doing capacity building: the pilot project Centre of Expertise for Sustainable Exploitation of Ecosystems in Iasi, Romania. Poster (no 03). *Biological Sciences for the 21st Century: Meeting the Challenges of Sustainable Development In an Era of Global Change*, 10-12.05.2007. *The 29th International Union of Biological Sciences General Assembly and Scientific Symposium*, 9-13.05.2007, Washington DC, USA, <http://www7.nationalacademies.org/IJBS/>

(2006) Costica N, Ciomasu IM, Becker van Slooten K, **Costica M**. Overcoming lack of knowledge upon pollution and ecosystem sustainability: what place for ecotoxicological bioassays? A critical account concerning Romania. Poster la *The International Conference on Ecotoxicology 2006 – Trends and Perspectives*. 17-20.09.2006, Wisla, Polonia: www.gsf.de/secotox/symp06/index.html

RESEARCH PROJECTS: AS A MEMBER OF TEAMS IMPLEMENTATION

INTERNATIONAL PROJECTS

RESEARCH ON LANDSCAPE AND ENVIRONMENT AT DIFFERENT SCALES. 2009 – 2012. ROMÂNIA – CHINA PROJECT, NR.223/15.04.2009.

CHEMICAL, BIOLOGICAL AND ECOTOXICOLOGICAL ASSESSMENT OF THE BAHLUI RIVER, IN NORTH-EASTERN ROMANIA. CASE STUDY: PESTICIDES AND PERSISTENT ORGANIC POLLUTANTS (POPS). POPIASI, 2005 - 2007. ESTROM (ENVIRONMENTAL SCIENCE AND TECHNOLOGY IN ROMANIA). SNF (DER SCHWEIZERISCHE NATIONALFONDS ZUR FÖRDERUNG DER WISSENSCHAFTLICHEN FORSCHUNG)

SELECTION AND CULTIVATION OF RHODIOLA ROSEA L. BASED ON MOLECULAR, PHYTOCHEMICAL AND PHYSIOLOGICAL METHODS. 2006 – 2007. INTAS PROJECT REF. NR. 05 104-7603.

EUROPEAN CURRICULUM FOR METHODOLOGICAL TRAINING IN THE FIELD OF ENVIRONMENTAL EDUCATION (EE), 2006 – 2007. LEONARDO DA VINCI RO/05/B/P/PP175010.

NATIONAL PROJECTS

INVENTARIEREA PAJIȘTILOR NATURALE CU BIODIVERSITATE RIDICATĂ DIN ROMÂNIA ÎN VEDEREA FUNDAMENTĂRII ȘTIINȚIFICE A MĂSURILOR DE MANAGEMENT PENTRU CONSERVAREA ACESTORA (NARDUS); INCDDD TULCEA. 2007 – 2010. PN II/NR. 1349.

STUDIU ÎN VEDEREA PREZERVĂRII SPECIEI ENDEMICE ANDRYALA LEVITOMENTOSA ÎN HABITATELE NATURALE. TIPURILE DE VEGETAȚIE DIN MUNTELE PIETROSU BISTRITELI. 2007 – 2008. CNCSIS, 1349.

CENTRUL DE EXPERTIZĂ PENTRU EXPLOATAREA DURABILĂ A ECOSISTEMELOR (CEXDUREC). STUDIU DE CAZ: ECOSISTEME TERESTRE ȘI ACVATICE PERI-URBANE DIN BAZINUL RÂULUI CIRIC, DE LA NORD DE MUNICIPIUL IAȘI. 2005 – 2008. CEEX, 634.

FITOREMEDIEREA SOLURILOR POLUATE DIN ARIA TAMPON A DEPOZITULUI DE REZIDUURI MENAJERE TOMEȘTI – IAȘI. 2004-2006. CNC SIS 642.

18.01.2013

LECTURER,

MIHAI COSTICĂ