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|  | Personal Information | | |
| Name | Ciornea Elena | | |
| Address | Amurgului Street, nr. 3, bl. O4, sc. A, et. III, ap. 14, Iași | | |
| Telephone | Job:0232/201648 | | |
| Fax | 0040232201472 | | |
| E-mail | ciornea@uaic.ro | | |
| Nationality | Romanian | | |
| Date of birth | 25.03.1973 | | |
| Sexe | Feminine | | |
| Employment / Occupational field | „Alexandru Ioan Cuza” University, Iași, Biology Faculty, Biology Department, Professional Biochemistry and Molecular Biology Laboratory - Lecturer, PhD | | |
| PhD thesis title, year of perform and the institution | „The amylase’s and α-glucanphosphorilase’s study in some cropped and spontaneous grasses ”, 2008, „Alexandru Ioan Cuza” Iași University, Biology Faculty | | |
| Professional experience | | | |
| Dates | <ol style="list-style-type: none"> 1. 2006 - present 2. 2001 - 2006 3. 1998 – 2001 | | |
| Occupation or position field | <ol style="list-style-type: none"> 1. Lecturer 2. Teaching assistant 3. Junior Teaching Assistant | | |
| Main activities and responsibilities | <ol style="list-style-type: none"> 1. Scientific research and educational activities 2. Scientific research and educational activities 3. Scientific research and educational activities | | |
| Name and address of employer | <ol style="list-style-type: none"> 1. “Alexandru Ioan Cuza” University, Iași, Biology Faculty 2. “Alexandru Ioan Cuza” University, Iași, Biology Faculty 3. “Alexandru Ioan Cuza” University, Iași, Biology Faculty | | |
| Education and training | | | |
| Dates | <ol style="list-style-type: none"> 1. 2001 - 2007 2. 1996 - 1997 3. 1991 - 1996 4. 1987 – 1991 | | |
| Title of qualification awarded | <ol style="list-style-type: none"> 1. Doctor in Biology area, Biochemistry 2. Master, „Biodiversity, Genetics and Evolution” 3. Graduated in Biology, Biochemistry specialization 4. Matriculation | | |

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| Principal subjects / occupational skills covered | <ol style="list-style-type: none"> 1. Vegetable biochemistry, Applied enzymology, Vegetable Physiology 2. The biodiversity and the productivity of terrestrial and aquatic environments, Evolutive strategies in vegetable and animal regnum 3. General biochemistry, Enzimology, Vitamins and hormones, The carbohydrates, proteins and nucleic acids metabolism, Clinical biochemistry, Anorganical Biochemistry, Biological-active substances 4. The specific fields of high school studies |
| Name and type of organisation providing education and training | <ol style="list-style-type: none"> 1. “Alexandru Ioan Cuza” University, Iași, Biology Faculty 2. “Alexandru Ioan Cuza” University, Iași, Biology Faculty, <i>Biodiversity, Genetics and Evolution</i> Specialization 3. “Alexandru Ioan Cuza” University, Iași, Biology Faculty, Specializarea <i>Biochemistry</i> Specialization 4. “Dr. Ciucă” Săveni Theoretical High School, Botoșani district |
| Level in national or international classification | <ol style="list-style-type: none"> 1. University 2. University 3. University 4. High School |
| Personal skills and competences | |
| Mother tongue (s) | Romanian |
| Other languages | |
| <i>Self assessment European level (*)</i> | |
| | Listening Reading Spoken interaction Spoken production |
| French | Good Good Good Good |
| Russian | Good Good |
| | (*) <i>Common European Framework of Reference for Languages</i> |
| Social skills and competences | <ol style="list-style-type: none"> 1. General biochemistry 2. Enzimology 3. Vitamins and hormones biochemistry 4. The metabolism’s biochemistry |
| Organisational skills and competences | <ol style="list-style-type: none"> 1. Member in the committee of Session of Scientific Communications organisation organized by the Biology Faculty, Biochemistry and Molecular Biology Lab - october 2008 2. Tutorial activities – tutor for the students of second year, Biochemistry specialization 3. Member in the committee of promotion in the university education 4. Member in the committee of postgraduated’s guidance 5. Member in the Romanian Society of Biology and Molecular Biology |

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| <p>Didactic activity</p> | <p>Thought courses:</p> <ol style="list-style-type: none"> 1. Biochemistry 2. General biochemistry 3. Vitamins and hormones 4. Enzimology 5. Industrial enzymes 6. Applied enzimology 7. Special chapters of metabolism <p>Handbooks and university courses or books published</p> <ol style="list-style-type: none"> 1. Cojocaru D. C., Doina Irina Cojocaru, <u>Elena Ciornea</u>, 1999 - Biochimia hormonilor, Ed. Corson Iași, ISBN 973 - 98259 - 9 - 0, 172 p. 2. Cojocaru D. C., <u>Elena Ciornea</u>, Doina Irina Cojocaru, 2000 - Biochimia vitaminelor și hormonilor - Lucrări practice, Ed. Corson, Iași, ISBN 973 - 8225 - 16 - 7, 264 p. 3. Cojocaru D. C., Zenovia Olteanu, <u>Elena Ciornea</u>, Lăcrămioara Oprică, Sabina Ioana Cojocaru, 2007 - Enzimologie generală, Ed. Tehnopress, Iași, ISBN 978-973-702-451-0, 537 p. 4. Cojocaru D. C., Toma O., Sabina Ioana Cojocaru, <u>Elena Ciornea</u>, 2009 - Practicum de biochimia proteinelor și acizilor nucleici, Ed. Tehnopress, Iași, ISBN 978-973-702-640-8, 261 p. 5. Cojocaru D. C., <u>Elena Ciornea</u>, Sabina Ioana Cojocaru, 2010 - Biochimia vitaminelor și hormonilor, Ed. Academiei Române, București, ISBN 978-973-27-1929-9, 571 p. |
| <p>Scientific research activity</p> | <p>a) Competence fields / number of published works</p> <ol style="list-style-type: none"> 1. Vegetable and animal biochemistry: 40 2. The biochemistry and the fish physiology: 23 3. The fish Morpho-histology and the aquaculture: 17 4. Enzymatical immobilisation: 2 5. The biochemistry of fungi and of microorganisms: 25 6. Clinical Biochemistry: 6 7. The quality of surface waters: 1 <p>b) Publications (the liste of semnificative scientific articles published in the late 5 years)</p> <ol style="list-style-type: none"> 1. Craita Maria Rosu, Ciprian Manzu, Zenovia Olteanu, Lacramioara Oprica, Adrian Oprea, <u>Elena Ciornea</u>, Maria Magdalena Zamfirache, 2011 - „Some fruit characteristics of Rosa sp. genotypes from the northeastern region of Romania”, in Not. Bot. Horti. Agrobo., Cluj-Napoca, (ISSN: 0255 - 965X; Electronic 1842 - 4309), 39 (2) (Revista cotata ISI (factor impact = 0,463)) 2. <u>Ciornea Elena</u>, Tutu Elena, Cojocaru Sabina Ioana, 2011 - „Preliminary studies concerning the aminoacids influence on some dehydrogenases at Monilinia laxa (Aderh.& Ruhl.) Honey parasite on plum tree” in <i>Lucrări Științifice, Seria Horticultură</i>, (ISSN-L: 1454-7376; Print ISSN: 1454-7376; Online ISSN: 2069-8275; CD-RON ISSN: 2069-847X; <i>Magazine quoted B CNCISIS</i>), Anul LIV, Vol. 54 (1), 97 – 102, U.S.A.M.V. Iași, Ed. „Ion Ionescu of Brad” Iași |

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| | <p>3. Tutu Elena, <u>Ciornea Elena</u>, Iurea Dorina, Oniciuc Marius Viorel, 2011 - „Evaluarea răspunsului fiziologic al unor specii forestiere la acțiunea unor factori poluanți din zone miniere aflate în județul Suceava, România”, in <i>Structura și funcționalitatea sistemelor biologice - diversitate și universalitate</i>, 286 – 290, (ISBN 978-9975-56-015-3; CZU: 57.012:581.4(082)=00 S 92), Chișinău, Rep. Moldova.</p> <p>4. <u>Ciornea Elena</u>, Tutu Elena, Cojocaru Sabina Ioana, 2011 - „Studies concerning the influence of some mineral compounds on the dynamics of some oxidoreductases activity at <i>Monilinia laxa</i> (Aderh.& Ruhl.) Honey parasite on plum trees” in <i>Lucrări Științifice, Seria Horticultură</i>, Anul XLVII, Vol. 54 (2), U.S.A.M.V. Iași, Ed. „Ion Ionescu of Brad” Iași, 91 - 96 (ISSN-L: 1454-7376; Print ISSN: 1454-7376; Online ISSN: 2069-8275; CD-RO ISSN: 2069-847X; Magazine quoted B CNCSIS)</p> <p>5. Gabriela Dumitru, Anca-Mirela Amariei, <u>Elena Ciornea</u>, 2012 - „Study of some biochemical indices in patients with persistent chronic hepatitis”, in <i>An. Șt. Univ. „Alexandru Ioan Cuza” Iași</i>, s. II a Genetics and Molecular Biology, Tom XIII, Fasc. 2, 57 - 62 (ISSN: 1582-3571), Magazine quoted B+ CNCSIS, included in Thomson Master Journal List ISI Database, Zoological Record, Index Copernicus (cotare 4,62).</p> <p>6. Elena Truta, Zenovia Olteanu, Maria Craita Rosu, <u>Elena Ciornea</u>, Maria Magdalena Zamfirache, Lacramioara Oprica, Maria Asaftei, 2012 - „Some aspects of chemophenotype heterogeneity in <i>Lonicera</i>, <i>Cornus</i> and <i>Rosa</i> genotypes in relation to chromosome constitution”, in <i>An. Șt. Univ. „Alexandru Ioan Cuza” Iași</i>, s. II a Genetics and Molecular Biology, Tom XIII, Fasc. 2, 73 - 80 (ISSN: 1582-3571), Magazine quoted B+ CNCSIS, included in Thomson Master Journal List ISI Database, Zoological Record, Index Copernicus (cotare 4,62).</p> <p style="text-align: center;">c) Contracts of scientific research (total number and the pointing of two more important titles in the latest 5 years)</p> <p style="text-align: center;">To date I was member in the collectivity of four scientific contracts, of which I mention:</p> <p>1. 2005 - 2008: Contract CEEX AGRAL no. 15/2005: „<i>Caracterizarea unor principii bioactive de origine vegetală și fungică cu acțiune citostatică, imunomodulatoare, metabolică și neurotropă și valorificarea lor în alimentația funcțională</i>”.</p> <p>2. 2006 - 2008: Contract CEEX BIOTECH no. 119/2006: „<i>Cercetări avansate privind folosirea cerealelor și deșeurilor cerealiere pentru obținerea Bio-etanolului și al Bio-metanolului folosiți ca resurse energetice alternative în cadrul Bio-economiei (BIO-ECO)</i>”.</p> |
| Annexes | <p>Annexe 1. The liste with the selection of semnificative scientific articles, patents of invention, research contracts, books, etc.</p> <p>Annexe 2: The liste with the selection of quotations of semnificative articles</p> |

Annexe 1. The liste with the selection of semnificative scientific articles, patents of invention, research contracts, books, etc.

1. RESEARCH ACTIVITY

- Contract PN 02 no. 52142 /2008: „*Ameliorarea potențialului genetic și caracterizarea complexă a biotipurilor din grupa plante de viitor, cu impact asupra dezvoltării ecologice și durabile în pomicultură*”.

- Contract CEEEX no. 109/2006: „*Valorificarea biotehologică a potențialului productiv la Hyppophae rhamnoides ssp. carpathica prin caracterizarea complexă a soiurilor, sursă de recolte ecologice pentru o agricultură durabilă*”.
- Contract CEEEX BIOTECH no. 119/2006: „*Cercetări avansate privind folosirea cerealelor și deșeurilor cerealiere pentru obținerea Bio-etanolului și al Bio-metanolului folosiți ca resurse energetice alternative în cadrul Bio-economiei (BIO-ECO)*”.
- Contract CEEEX no. 15/2005: „*Caracterizarea unor principii bioactive de origine vegetală și fungică cu acțiune citostatică, imunomodulatoare, metabolică și neurotropă și valorificarea lor în alimentația funcțională*”.

2. THE LISTE OF PUBLISHED WORKS

1. Cojocaru, D. C., Elena Ciornea, 1998 - „**Cercetări privind imobilizarea papainei pe fibre de celuloză prin reticulare cu aldehydă glutarică**”, in *Noutăți în microbiologie și biotehnologie*, Ed. Corson, Iași, 139 - 144 (ISBN: 973-98259-8-2).
2. Cojocaru, D. C., Elena Ciornea, 1998 - „**Unele proprietăți ale invertazei levuriene**”, in *Noutăți în microbiologie și biotehnologie*, Ed. Corson, Iași, 145 - 150 (ISBN: 973-98259-8-2).
3. Cojocaru, D. C., Elena Ciornea, 1998 - „**Cercetări privind imobilizarea prin metode chimice a unor enzime hidrolitice implicate în metabolismul glucidelor**”, in *Noutăți în microbiologie și biotehnologie*, Ed. Corson, Iași, 151 - 156 (ISBN: 973-98259-8-2).
4. Elvira Tănase, Cojocaru, D. C., Anca Mihaela Godja, Elena Ciornea, 2000 - „**Recherches on the mobilisation of glucides from cereal seeds during germination**”, in *An. Șt. Univ. „Alexandru Ioan Cuza” Iași*, s. Animal Biology, Tom XLVI, 203 - 207 (ISSN 1224-581X), Magazine quoted B CNCSIS, included in Thomson Reuters Master Journals List, Zoological Record Plus and Aquatic Science and Fisheries Abstracts (ASFA).
5. Elena Ciornea, Cojocaru, D. C., 2001 - „**L'etude des modifications des parametres biochimiques dans la reaction post - agresive**”, in *An. Șt. Univ. „Alexandru Ioan Cuza” Iași*, s. II a Genetics and Molecular Biology, Tom II, 51 - 54 (ISSN: 1582-3571).
6. Cojocaru, D. C., Elena Ciornea, 2002 - „**Recherches sur certaines modifications métaboliques en sénescence**”, in *An. Șt. Univ. „Alexandru Ioan Cuza” Iași*, s. II a Genetics and Molecular Biology, Tom III, 98 - 101 (ISSN: 1582-3571).
7. Cordy, J. M., Dorina Munteanu, Elena Ciornea, Cojocaru, D. C., 2002 - „**La biologie moleculaire joue-t-elle un role très important pour la comprehension de l'origine des hominides?**”, in *An. Șt. Univ. „Alexandru Ioan Cuza” Iași*, s. II a Genetics and Molecular Biology, Tom III, 102 - 105 (ISSN: 1582-3571).
8. Elena Ciornea, Artenie, Vl., Daniela Ichim, Gheorghită, G., Cojocaru, D. C., Daniela Vararu, 2004 - „**The influence of certain treatments with physical mutagene agent son the activity of some enzymes in *Echinacea purpurea* and *Hypericum perforatum***”, in *An. Șt. Univ. „Alexandru Ioan Cuza” Iași*, s. II a Genetics and Molecular Biology, Tom V, 11 - 15 (ISSN: 1582-3571).
9. Gabriela Vasile, Cojocaru, D. C., Misăilă, C., Elena Ciornea, 2005 - „**L'etude de l'activite des quelques enzymes du stress oxydatif dans le tissu musculaire a des differents cyprinides de culture**”, in *An. Șt. Univ. „Alexandru Ioan Cuza” Iași*, s. II a Genetics and Molecular Biology, Tom VI, 7 - 10 (ISSN: 1582-3571), Magazine quoted B CNCSIS, included in Thomson Master Journal List ISI Database.
10. Gabriela Vasile, Cojocaru, D. C., Misăilă, C., Elena Ciornea, 2005 - „**Study on the activity of some enzymes involved in protein metabolism of *Carassius auratus gibelio* Bloch.**”, in *Papers of the International Symposium Euro - aliment 2005, Univ. „Dunărea de Jos” Galați*, Ed. Academica, 222 - 225 (ISBN: 973-8316-87-1), Magazine quoted B CNCSIS.
11. Elena Ciornea, Dumitru Cojocaru, Gabriela Vasile, 2005 - „**Some preliminary data on the activity of total amylase, α - and β -amylase in the small roots and strains of millet and bristle grass**”, in *Studii și Cercetări Științifice, Biologie, Serie nouă*, Nr. 10, University from Bacău, Ed. Univ. from Bacău, 161 - 163 (ISSN 1224-919X), Magazine quoted C CNCSIS, included in Thomson Reuters Master Journals List and Zoological Record.
12. Gabriela Vasile, Elena Ciornea, Dumitru Cojocaru, Elena Rada Misăilă, Costică Misăilă, 2005 - „**Quantitative determination of muscular glycogen in *Aristichthys nobilis* and *Hypophthalmichthys molitrix***”, in *Studii și Cercetări Științifice, Biologie, Serie nouă*, Nr. 10,

- University from Bacău, Ed. Univ. from Bacău, 165 - 167 (ISSN: 1224-919X), *Magazine quoted C CNCSIS, included in Thomson Reuters Master Journals List and Zoological Record.*
13. Elena Ciornea, D. Cojocaru, Gabriela Vasile, 2006 - „**Studiul unor enzime implicate în metabolismul glucidic în semințele germinate la unele graminee cultivate și spontane**”, in *Lucrări Științifice, Seria Zootehnie*, Vol. 49, U.S.A.M.V. Iași, Ed. „Ion Ionescu of Brad” Iași, 40 - 47 (ISSN: 1454-7368), *Magazine quoted B+ CNCSIS, included in CAB I.*
 14. D. Cojocaru, Elena Ciornea, Sabina Ioana Cojocaru, 2006 - „**Cercetări privind compoziția chimică și activitatea biochimică a polenului apicol**”, in *Lucrări Științifice, Seria Zootehnie*, Vol. 49, U.S.A.M.V. Iași, Ed. „Ion Ionescu of Brad” Iași, 149 - 155 (ISSN: 1454-7368), *Magazine quoted B+ CNCSIS, included in CAB I.*
 15. Gabriela Vasile, Elena Ciornea, D. Cojocaru, 2006 - „**Studiul comparativ al activității unor aminotransferaze la *Aristichthys nobilis* și *Hypophthalmichthys molitrix***”, in *Lucrări Științifice, Seria Zootehnie*, Vol. 49, U.S.A.M.V. Iași, Ed. „Ion Ionescu of Brad” Iași, 1006 - 1013 (ISSN: 1454-7368), *Magazine quoted B+ CNCSIS, included in CAB I.*
 16. Elena Ciornea, Gabriela Vasile, 2006 - „**Date preliminare privind unele substanțe de natură glucidică la novac și sânger**”, in *Lucrări Științifice, Seria Zootehnie*, Vol. 49, U.S.A.M.V. Iași, Ed. „Ion Ionescu of Brad” Iași, 1014 - 1021 (ISSN: 1454-7368), *Magazine quoted B+ CNCSIS, included in CAB I.*
 17. Gabriela Vasile, Elena Ciornea, 2006 - „**Cercetări privind activitatea unor oxidoreductaze la două specii de ciprinide asiatică**”, in *Lucrări Științifice, Seria Horticultură*, Anul XLVII, Vol. 1 (49), U.S.A.M.V. Iași, Ed. „Ion Ionescu of Brad” Iași, 71 - 76 (ISSN: 1454-7376), *Magazine quoted B CNCSIS.*
 18. Gabriela Vasile, Elena Ciornea, 2006 - „**Date preliminare privind conținutul de proteine serice la *Aristichthys nobilis* și *Hypophthalmichthys molitrix***”, in *Lucrări Științifice, Seria Horticultură*, Anul XLVII, Vol. 1 (49), U.S.A.M.V. Iași, Ed. „Ion Ionescu of Brad” Iași, 77 - 80 (ISSN: 1454-7376), *Magazine quoted B CNCSIS.*
 19. Elena Ciornea, Artenie Vlad, Dumitru Cojocaru, Gabriela Vasile, 2006 - „**On the activity of α -amylase in some culture and spontaneous graminaceae, during their germination period**”, in *An. Șt. Univ. „Alexandru Ioan Cuza” Iași*, s. II a Genetics and Molecular Biology, Tom VII, Fasc. 1, 37 - 41 (ISSN: 1582-3571), *Magazine quoted B CNCSIS, included in Thomson Master Journal List ISI Database.*
 20. Elena Ciornea, Artenie Vlad, Dumitru Cojocaru, Gabriela Vasile, 2006 - „**The dynamics of total amylase’s activity in *Panicum miliaceum* and *Setaria glauca* during the germination period**”, in *An. Șt. Univ. „Alexandru Ioan Cuza” Iași*, s. II a Genetics and Molecular Biology, Tom VII, Fasc. 1, 43 - 48 (ISSN: 1582-3571), *Magazine quoted B CNCSIS, included in Thomson Master Journal List ISI Database.*
 21. Elena Ciornea, Vlad Artenie, Dumitru Cojocaru, Sabina Ioana Cojocaru, 2006 - „**On the activity of α -glucanphosphorylase in *Panicum miliaceum* and *Setaria glauca* during the germination**”, in *An. Șt. Univ. „Alexandru Ioan Cuza” Iași*, s. II a Genetics and Molecular Biology, Tom VII, Fasc. 1, 49-54 (ISSN: 1582-3571), *Magazine quoted B CNCSIS, included in Thomson Master Journal List ISI Database.*
 22. Gabriela Vasile, Elena Ciornea, Dumitru Cojocaru, 2006 - „**On activity of α -amylase in some species of asian cyprinids**”, in *An. Șt. Univ. „Alexandru Ioan Cuza” Iași*, s. II a Genetics and Molecular Biology, Tom VII, Fasc. 1, 75 - 78 (ISSN: 1582-3571), *Magazine quoted B CNCSIS, included in Thomson Master Journal List ISI Database.*
 23. Gabriela Vasile, Elena Ciornea, Dumitru Cojocaru, 2006 - „**A comparative study on the activity of alanin-aminotransferase in *Hypophthalmichthys molitrix* and *Aristichthys nobilis***”, in *An. Șt. Univ. „Alexandru Ioan Cuza” Iași*, s. II a Genetics and Molecular Biology, Tom VII, Fasc. 1, 79 - 82 (ISSN: 1582-3571), *Magazine quoted B CNCSIS, included in Thomson Master Journal List ISI Database.*
 24. Elena Ciornea, Vlad Artenie, Gabriela Vasile, 2006 - „**On the activity of β -amylase in germinated caryopses of *Panicum miliaceum* and *Setaria pumila***”, in *Studii și Cercetări, Biologie, Serie nouă*, Nr. 11, University from Bacău, Ed. Univ. from Bacău, 123 - 125 (ISSN 1224-919X), *Magazine quoted C CNCSIS, included in Thomson Reuters Master Journals List and Zoological Record.*
 25. Gabriela Vasile, Elena Ciornea, 2006 - „**Comparative study on the activity of muscular catalase in some culture cyprinides**”, in *Studii și Cercetări, Biologie, Serie nouă*, Nr. 11, University from Bacău,

- Ed. Univ. from Bacău, 133 - 135 (ISSN 1224-919X), *Magazine quoted C CNCSIS, included in Thomson Reuters Master Journals List și Zoological Record.*
26. Elena Ciornea, Dumitru Cojocaru, Gabriela Vasile, Tiberiu Răileanu, Sabina Ioana Cojocaru, 2006 - „**On the activity of total amylase in some species of the *Festuca* genus - a comparative study**”, in *Studii și Comunicări*, Nr. 21, Complexul Muzeal de Științele Naturii „Ioan Borcea” Bacău, Ed. Ioan Borcea, 177 - 183 (ISSN: 1584-3416), *Magazine quoted C CNCSIS and evaluated by National University Research Council (NURC) (code 608).*
 27. Elena Ciornea, Sabina Ioana Cojocaru, Dumitru Cojocaru, Zenovia Olteanu, Ștefania Surdu, 2006 - „**Correlations between the content of soluble and insoluble polyglucide in *Claviceps purpurea* sklerotes from different alkaloidic-type stems**”, in *Studii și Comunicări*, Nr. 21, The Museum Complex of Nature Sciences „Ioan Borcea” Bacău, Ed. Ioan Borcea, 184 - 187 (ISSN: 1584-3416), *Magazine quoted C CNCSIS and evaluated by National University Research Council (NURC) (code 608).*
 28. Dumitru C. Cojocaru, Sabina Ioana Cojocaru, Elena Ciornea, Zenovia Olteanu, Ștefania Surdu, 2006 - „**A comparative study of the main classes of reducing glucides in ergocrystinic *Claviceps purpurea* sklerotes**”, in *Studii și Comunicări*, Nr. 21, The Museum Complex of Nature Sciences „Ioan Borcea” Bacău, Ed. Ioan Borcea, 188 - 193 (ISSN: 1584-3416), *Magazine quoted C CNCSIS and evaluated by National University Research Council (NURC) (code 608).*
 29. Sabina Ioana Cojocaru, Elena Ciornea, Dumitru C. Cojocaru, Zenovia Olteanu, Ștefania Surdu, 2006 - „**Investigations of the content of reducing glucides in ergotaminic - type sklerotes of *Claviceps purpurea***”, in *Studii și Comunicări*, Nr. 21, The Museum Complex of Nature Sciences „Ioan Borcea” Bacău, Ed. Ioan Borcea, 194 - 199 (ISSN: 1584-3416), *Magazine quoted C CNCSIS and evaluated by National University Research Council (NURC) (code 608).*
 30. Alexandru Neagu, Elena Ciornea, Gabriela Vasile, 2006 - „**Dynamics of the activity of total amylase during the germination period in some graminaceae species from the spontaneous flora**”, in *Studii și Comunicări*, Nr. 21, The Museum Complex of Nature Sciences „Ioan Borcea” Bacău, Ed. Ioan Borcea, 204 - 207 (ISSN: 1584-3416), *Magazine quoted C CNCSIS and evaluated by National University Research Council (NURC) (code 608).*
 31. Alexandru Neagu, Elena Ciornea, Gabriela Vasile, Dumitru Cojocaru, 2006 - „**On the activity of some enzymes involved in the mobilization of the reserve substances of *Zea mays* during the germination period**”, in *Studii și Comunicări*, Nr. 21, The Museum Complex of Nature Sciences „Ioan Borcea” Bacău, Ed. Ioan Borcea, 208 - 212 (ISSN: 1584-3416), *Magazine quoted C CNCSIS and evaluated by National University Research Council (NURC) (code 608).*
 32. Gabriela Vasile, Iordache Ion, Elena Ciornea, Elena Rada Misăilă, 2006 - „**A comparative study on the morphological characteristics and bodily coefficients of some cyprinids species in various stages of development**”, in *Studii și Comunicări*, Nr. 21, The Museum Complex of Nature Sciences „Ioan Borcea” Bacău, Ed. Ioan Borcea, 401 - 410 (ISSN: 1584-3416), *Magazine quoted C CNCSIS and evaluated by National University Research Council (NURC) (code 608).*
 33. Gabriela Vasile, Elena Ciornea, 2006 - „**On the activity of α -amylase in different segments of the digestive tube in *Aristichthys nobilis* and *Hypophthalmichthys molitrix***”, in *Studii și Comunicări*, Nr. 21, The Museum Complex of Nature Sciences „Ioan Borcea” Bacău, Ed. Ioan Borcea, 411 - 415 (ISSN: 1584-3416), *Magazine quoted C CNCSIS and evaluated by National University Research Council (NURC) (code 608).*
 34. Gabriela Vasile, Elena Ciornea, 2007 - „**A comparative study of some morphological and biochemical parameters of *Carassius auratus gibelio* and *Cyprinus carpio***”, în *Lucrări Științifice, Seria Zootehnie*, Vol. 50, U.S.A.M.V. Iași, Ed. „Ion Ionescu of Brad” Iași, 786 - 793 (ISSN: 1454-7368), *Magazine quoted B+ CNCSIS, included in CAB I.*
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1. C. M. Roșu, St. Surdu, Z. Olteanu, C. Manzu, L. Oprica, E. Ciornea, 2010 - „**Fruit Characteristics of Rosa spp. Identified Genotypes from North-East Region of Romania**”, *Special Abstracts / Journal of Biotechnology* 150S, S1-S576, pag. S303 (IF 2009 = 2,881).

4. THE LIST OF WORKS IN PROGRESS OF PUBLICATION

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3. Mihaela Cristica, Tamara Barbaneagra, Elena Ciornea, Alexandru Manoliu, 2012 - „**The influence of some factors on β -1,4-xylanase activity of the filamentous fungus *Trichoderma reesei* QM 9414**”, in *An. Șt. Univ. „Alexandru Ioan Cuza” Iași*, s. II a Genetics and Molecular Biology, (ISSN: 1582-3571), *Magazine quoted B+ CNCISIS, included in Thomson Master Journal List ISI Database, Zoological Record, Index Copernicus (cotare 4,62).*
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7. Elena Tutu, Oniciuc Marius Viorel, Elena Ciornea, 2012 - „**Research on the anthropic impact on dehydrogenases Krebs cycle system in some forest species in mining area, Suceava County**”, in *An. Șt. Univ. „Alexandru Ioan Cuza” Iași*, s. II a Genetics and Molecular Biology, (ISSN: 1582-3571), *Magazine quoted B+ CNCISIS, included in Thomson Master Journal List ISI Database, Zoological Record, Index Copernicus (cotare 4,62).*
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5. PUBLISHED BOOKS

1. Cojocaru D. C., Doina Irina Cojocaru, Elena Ciornea, 1999 - **Biochimia hormonilor**, Ed. Corson Iași, ISBN 973 - 98259 - 9 - 0, 172 p.
2. Cojocaru D. C., Elena Ciornea, Doina Irina Cojocaru, 2000 - **Biochimia vitaminelor și hormonilor - Lucrări practice**, Ed. Corson, Iași, ISBN 973 - 8225 - 16 - 7, 264 p.
3. Cojocaru D. C., Zenovia Olteanu, Elena Ciornea, Lăcrămioara Oprică, Sabina Ioana Cojocaru, 2007 - **Enzimologie generală**, Ed. Tehnopress, Iași, ISBN 978-973-702-451-0, 537 p.
4. Cojocaru D. C., Toma O., Sabina Ioana Cojocaru, Elena Ciornea, 2009 - **Practicum de biochimia proteinelor și acizilor nucleici**, Ed. Tehnopress, Iași, ISBN 978-973-702-640-8, 261 p.
5. Cojocaru D. C., Elena Ciornea, Sabina Ioana Cojocaru, 2010 - **Biochimia vitaminelor și hormonilor**, Ed. Academiei Române, București, ISBN 978-973-27-1929-9, 571 p.

6. OBTAINED PRIZES

1. The prize of **Aquaculture** section for the worked called „**Studiul comparativ al activității unor aminotransferaze la *Aristichthys nobilis* și *Hypophthalmichthys molitrix***”, authors Gabriela Vasile, Elena Ciornea, D. Cojocaru, International Scientific Symposium „*European achievements and expectations in animal production*”, University of Agricultural Sciences and Veterinary Medicine “Ion Ionescu of Brad” Iași, Zootechny Faculty, 4 - 5 may 2006.

2. The prize of **Aquaculture** section for the worked called „**Biometric aspects of the digestive tractus in *Aristichthys nobilis* and *Hypophthalmichthys molitrix* of various ages**”, authors Gabriela Vasile, Elena Ciornea, Elena Rada Misăilă, C. Misăilă, The International Scientific Symposium „*Opportunities and perspectives in animal production*”, University of Agricultural Sciences and Veterinary Medicine “Ion Ionescu of Brad” Iași, Zootechny Faculty, 17 - 18 april 2008

3. Mention in **Aquaculture** section for the worked called „**Unele aspecte biometrice comparative la *Aristichthys nobilis* și *Hypophthalmichthys molitrix***”, authors Gabriela Vasile, Elena Ciornea, Elena Rada Misăilă, C. Misăilă, International Scientific Meeting „*60 years of scientific research in animal production*”, University of Agricultural Sciences and Veterinary Medicine of Banat Timișoara in collaboration with Slovak University of Agriculture in Nitra and University of South Bohemia Ceske Budejovice, 29 - 30 may 2008.

Annexe 2: The liste with the selection of semnificative articles' quotations

- Craita Maria Rosu, Ciprian Manzu, Zenovia Olteanu, Lăcrămioara Oprică, Adrian Oprea, Elena Ciornea, Maria Magdalena Zamfirache, 2011, **Several Fruit Characteristics of *Rosa* sp. Genotypes from the Northeastern Region of Romania**, *Notulae Botanicae*, 39 (2): 203-208.

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1. Maja Mikulic-Petkovsek, Valentina Schmitzer, Ana Slatnar, Franci Stampar, Robert Veberic, 2012 - **Composition of Sugars, Organic Acids, and Total Phenolics in 25 Wild or Cultivated Berry Species**, *Journal of Food Science*, [Volume 77, Issue 10](#), pages C1064–C1070 (IF=1,658).
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- Truta E., Olteanu Z., Zamfirache M.M., Ciornea E., Oprica L., Vochita G., 2011 - **Considerations on the relationship between chromosome constitution and biochemical phenotype in five ecotypes of seabuckthorn**, Analele Stiint. Univ. ‘‘Al. I. Cuza’’ Iasi, Sect. Genetica si Biologie Moleculara, tom XII(II): 65-75, ISSN: 1582-3571, indexed in BDI (Thomson Reuters -Master Journal List - Zoological record); CNCISIS B+

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1. Zhang Y., Zhu M.L., Dai S.L., 2013 - Analysis of karyotype diversity of 40 Chinese chrysanthemum cultivars, Journal of Systematics and Evolution, 51(1), ISSN: 0529-1526; Online ISSN: 1759-6831; online first, DOI:10.1111/j.1759-6831.2012.00235.x (<http://onlinelibrary.wiley.com/doi/10.1111/j.1759-6831.2012.00235.x/abstract>); Impact factor = 1,596; AI = 0,4657 (AI = Article Influence Score (cf. <http://eigenfactor.org>))

IAȘI,
15. 02. 2013

Lecturer Elena CIORNEA, PhD