

INFORMAȚII PERSONALE

**Lorentz JANTSCHI**

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POZIȚIA

Education and Training

EXPERIENȚA PROFESIONALĂ

Oct 13–Prezent	Conducător de doctorat în Chimie Universitatea Babeș-Bolyai Cluj-Napoca, 400079 Cluj, Romania Educație și cercetare; Institutul de Studii Doctorale
Oct 13–Prezent	Profesor dr. Universitatea Tehnică din Cluj-Napoca, 400020 Cluj, Romania Educație și cercetare; Departamentul de Fizică și Chimie
Oct 08–Sept 13	Conferențiar dr. Universitatea Tehnică din Cluj-Napoca, 400020 Cluj, Romania Educație și cercetare; Catedra de Chimie
Oct 00–Sept 08	Sef lucrari dr. Universitatea Tehnică din Cluj-Napoca, 400020 Cluj, Romania Educație și cercetare; Catedra de Chimie
Feb 99–Sept 00	Preparator universitar Universitatea Tehnică din Cluj-Napoca, 400020 Cluj, Romania Educație și cercetare; Catedra de Chimie
Nov 98–Ian 00	Asistent cercetare; Cercetator stiintific Universitatea "Babeș-Bolyai" din Cluj-Napoca, 400001 Cluj, Romania Doctorand cu frecvență; Facultatea de Chimie si Inginerie Chimica; Catedra de Chimie Organica; Colectivul de Topologie Moleculara
Aug 95–Feb 99	Profesor debutant Colegiul Național "George Barițiu", Cluj-Napoca, 400023 Cluj, Romania Educație; catedra Matematică-Informatică; disciplina Informatica

EDUCAȚIE ȘI FORMARE

- Dec 10–Mar 13 **Studii Postdoctorale**
Universitatea de Științe Agricole și Medicină Veterinară; Instituție de învățământ superior
Domeniul Horticultură; Specializarea Genetica și ameliorarea plantelor; Calificarea Postdoctorat
- Oct 07–Iul 10 **Diploma de Doctor**
Universitatea de Științe Agricole și Medicină Veterinară; Instituție de învățământ superior
Domeniul Horticultură; Specializarea Genetica și ameliorarea plantelor; Calificarea Dr.Hort.
- Apr 08–Apr 08 **Certificat de participare**
University College London; Instituție de învățământ superior
Curs intensiv 'Introduction to Practical Statistics for Medical Research'
- Dec 07–Dec 07 **Certificat de participare**
Dublin Molecular Medicine Centre (DMMC); Irish registered charity - CHY 14307
Curs intensiv 'Techniques & Strategies in Molecular Medicine'
- Dec 07–Dec 07 **Certificat de participare**
University of Oxford; Instituție de învățământ superior
Curs intensiv 'Introduction to Bioinformatics'
- Mar 04–Mar 04 **Certificat de participare**
European Congress of Radiology; Societate profesionala
Domeniul: Medicina; Specializarea Radiologie; Calificarea: Imagistica medicala
- Nov 00–Iun 02 **Diploma de Master**
Universitatea de Științe Agricole și Medicină Veterinară din Cluj-Napoca; Instituție de învățământ superior
Domeniul Agronomie; Specializarea Agricultură; Calificarea Ameliorarea plantelor și controlul calitatii semintelor și materialului săditor
- Nov 98–Ian 00 **Diploma de Doctor**
Universitatea 'Babeș-Bolyai' din Cluj-Napoca; Instituție de învățământ superior
Domeniul Chimie; Specializarea Chimie organica; Calificarea Dr.Chim.
- Oct 92–Iun 97 **Foaie matricolă 'la cerere'**
Universitatea 'Babeș-Bolyai' din Cluj-Napoca; Instituție de învățământ superior
Domeniul Fizica; Specializarea Matematica-Fizica; Calificarea -
- Oct 92–Iun 97 **Diploma de Licență**
Universitatea 'Babeș-Bolyai' din Cluj-Napoca; Instituție de învățământ superior

Domeniul Chimie; Specializarea Chimie-Fizica; Calificarea Chimie si Fizica

Oct 91–Iun 95 **Diploma de Licenta**
Universitatea 'Babeş-Bolyai' din Cluj-Napoca; Instituție de învățământ superior
Domeniul Matematica; Specializarea Informatica; Calificarea Analist programator

Sept 87–Iun 91 **Diploma de Bacalaureat**
Liceul Teoretic 'Radu Negru'; Instituție de învățământ preuniversitar
Domeniul Inginerie; Specializarea Mecanica; Calificarea Lacatus mecanic

COMPETENȚE PERSONALE

Competențe de comunicare Capacitatea de a comunica - Foarte bine;
Capacitatea de a executa - Bine;
Capacitatea de a coordona - Bine;
Capacitatea de a lucra in echipa - Satisfacator.

Competențe organizationale/manageriale Organizare activitati de educatie - Foarte bine;
Organizare activitati de cercetare - Bine;
Organizare activitati administrative - Bine;
Organizare activitati sociale - Satisfacator.

Competență digitală Programare PHP - Foarte bine;
Programare Pascal - Foarte bine;
Programare web - Foarte bine;
Proiectare algoritmi - Foarte bine;
Administrare Servere - Foarte bine;
Programare C - Bine;
Crearea si exploatarea bazelor de date - Bine; Depanarea, configurarea si utilizarea instrumentatiei electronice si de/cu tehnologia informatiei - Foarte bine;
Utilizarea instrumentatiei de laborator - Foarte bine;
Proiectarea experimentelor de laborator chimic - Bine.

Alte competențe Evaluator proiecte cercetare PN2 (Inovare; Parteneriate; Idei) - din 2007.
Editor - Editura AcademicDirect - din 2003.
Redactor sef - Revista Leonardo J Sci (indexata BDI din 2007) - din 2002.
Redactor sef - Revista Leonardo EI J Pract Technol (indexata BDI din 2007) - din 2002.
Membru în colegiul de redacție - Revista Not Bot Hort Agrobot (indexata ISI din 2008) - din 2007.
Redactor sef - Revista Not Sci Biol (indexata BDI din 2009) - din 2007.

Permis de conducere B (31.08.09)

Publicații

Carti si capitole de carti:

- 30 Sorana D. BOLBOACĂ, Lorentz JÄNTSCHI, 2017.
Characteristic polynomial in assessment of carbon-nano structures.
As: Chapter 4. (p. 122-147) In: Sustainable nanosystems development, properties, and applications (Eds.: Mihai V. PUTZ, Marius C. MIRICA). Hershey: IGI Global. ISBN 978-1-5225-0492-4 eISBN 978-1-5225-0493-1.
- 29 Lorentz JÄNTSCHI, Sorana D. BOLBOACĂ, Dušanka JANEŽIC, 2016.
Cyclic carbon polynes.
As: Chapter 23. (p. 423-436) In: Carbon materials: chemistry and physics Vol. 9 As: Distance, symmetry, and topology in carbon nanomaterials (Eds.: Ali R. ASHRAFI, Mircea V. DIUDEA). Cham: Springer. ISSN 1875-0745, ISBN 978-3-319-31582-9, eISBN 978-3-319-31584-3.
- 28 Sorana D. BOLBOACĂ, Lorentz JÄNTSCHI, 2016.
Counting distance and counting Szeged on distance polynomials in assessment of dodecahedron nano-assemblies.
As: Chapter 21. (p. 391-408) In: Carbon materials: chemistry and physics Vol. 9 As: Distance, symmetry, and topology in carbon nanomaterials (Eds.: Ali R. ASHRAFI, Mircea V. DIUDEA), Cham: Springer. ISSN 1875-0745, ISBN 978-3-319-31582-9, eISBN 978-3-319-31584-3.
- 27 Liviu C. BOLUNDUȚ, Lorentz JÄNTSCHI, Sorana D. BOLBOACĂ, 2015.
Activități de laborator de chimie generală.
Cluj-Napoca: AcademicDirect. 111 p. eISBN 978-606-93534-2-4.
- 26 Lorentz JÄNTSCHI, Sorana D. BOLBOACĂ, 2015.
General chemistry laboratory activities.
Cluj-Napoca: AcademicDirect. 109 p. eISBN 978-606-93534-1-7.
- 25 Lorentz JÄNTSCHI, 2013.
Chimie fizică - teorie, aplicații și probleme.
Cluj-Napoca: AcademicDirect. 158 p. ISBN 978-973-86211-0-7, eISBN 978-606-93534-0-0.
- 24 Lorentz JÄNTSCHI, 2013.
Prezentarea și prelucrarea datelor experimentale.
Cluj-Napoca: U.T.Press. 70 p. ISBN 978-973-662-912-9.
- 23 Lorentz JÄNTSCHI, 2013.
General chemistry course.
Cluj-Napoca: AcademicDirect. 439 p. eISBN 978-973-86211-1-4.
- 22 Sorana D. BOLBOACĂ, Lorentz JÄNTSCHI, 2010.
From molecular structure to molecular design through the molecular descriptors family methodology.
(p. 117-166) In: QSPR-QSAR studies on desired properties for drug design (Ed.: Eduardo A. CASTRO). Kerala: Research Signpost. ISBN 978-81-308-0404-0.
- 21 Horea I. NAȘCU, Lorentz JÄNTSCHI, 2009.
Chimie analitică și instrumentală.
Cluj-Napoca: AcademicPres. 250 p. ISBN 978-973-744-191-1.
- 20 Monica M. MARTA, Sorana D. BOLBOACĂ, Lorentz JÄNTSCHI, 2009.
Self directed training in an evidence-based medicine experiment.
(p. 193-206) In: Human-computer systems interaction (Eds.: Zdzislaw S. HIPPE, Juliusz L. KULIKOWSKI). Berlin: Springer. ISBN 978-3-642-03201-1, e-ISBN 978-3-642-03202-8. ISSN 1867-5662.
- 19 Sorana D. BOLBOACĂ, Lorentz JÄNTSCHI, 2008.
Evaluarea intervalelor de încredere folosite în studii medicale.
Cluj-Napoca: AcademicPres & AcademicDirect. 234 p. ISBN 978-973-744-107-2 & ISBN 978-973-86211-2-1.
- 18 Lorentz JÄNTSCHI, 2007.
Characteristic and counting polynomials of nonane isomers.
Cluj-Napoca: AcademicDirect. 101 p. ISBN 980-973-86211-3-8.
- 17 Lorentz JÄNTSCHI, Mădălina A. VĂLEANU, Sorana D. BOLBOACĂ, 2006.
Programarea rapidă a aplicațiilor pentru baze de date relaționale.

- Cluj-Napoca: AcademicDirect & AcademicPres. 233 p. ISBN 978-973-86211-4-5 (AcademicDirect) && 978-973-744-046-4 (AcademicPres).
- 16 Horea I. NAȘCU, Lorentz JÄNTSCHI, 2006.
Chimie analitică și instrumentală.
Cluj-Napoca: AcademicDirect & AcademicPres. 320 p. ISBN 978-973-86211-4-5 (AcademicDirect) && 978-973-744-046-4 (AcademicPres).
- 15 Monica ȘTEFU, Daniela BUTYKA, Mircea V. DIUDEA, Lorentz JÄNTSCHI, Bazil PÄRV, 2005.
Algorithms for basic operations on maps.
(p. 243-267) In: Nanostructures: novel architecture (Ed.: Mircea V. DIUDEA). Huntington: Nova Science. ISBN 1-59454-499-9.
- 14 Mihaela L. UNGUREȘAN, Lorentz JÄNTSCHI, 2005.
Chimie fizică: termodinamică și cinetică chimică.
Cluj-Napoca: Mediamira. 292 p. ISBN 973-713-73-1.
- 13 Lorentz JÄNTSCHI, 2005.
Microbiologie, toxicologie și studii fitosanitare.
Cluj-Napoca: Academicdirect. 75 p. eISBN 973-86211-8-6.
- 12 Mihaela L. UNGUREȘAN, Lorentz JÄNTSCHI, Delia M. GLIGOR, 2004.
Aplicații educaționale de chimie pe calculator.
Cluj-Napoca: Mediamira. 250 p. ISBN 973-713-031-6.
- 11 Lorentz JÄNTSCHI, 2003.
Chimie fizică. Analize chimice și instrumentale.
Cluj-Napoca: AcademicDirect. 64 p. eISBN 973-86211-7-8.
- 10 Lorentz JÄNTSCHI, Sorana D. BOLBOACĂ, 2003.
Analiză chimică și instrumentală aplicată.
Cluj-Napoca: AcademicDirect. 60 p. eISBN 973-86211-6-X.
- 9 Lorentz JÄNTSCHI, 2003.
Microbiologie și toxicologie. Studii fitosanitare.
Cluj-Napoca: Amici. 183 p. ISBN 973-85727-3-8.
- 8 Lorentz JÄNTSCHI, 2003.
Metrologia și monitorizarea mediului.
Cluj-Napoca: Amici. 148 p. ISBN 973-85727-2-X.
- 7 Lorentz JÄNTSCHI, Mihaela L. UNGUREȘAN, 2002.
Chimie fizică. Experimente de analiză chimică și instrumentală.
Cluj-Napoca: Amici. 120 p. ISBN 973-85727-0-3.
- 6 Horea I. NAȘCU, Liana T. MARTA, Elena M. PICĂ, Violeta POPESCU, Mihaela L. UNGUREȘAN, Lorentz JÄNTSCHI, 2002.
Chimie - îndrumător de lucrări practice.
Cluj-Napoca: UTPres. 159 p. ISBN 973-8335-07-8.
- 5 Lorentz JÄNTSCHI, 2002.
Analize chimice și instrumentale.
Cluj-Napoca: UTPres. 138 p. ISBN 973-8335-19-1.
- 4 Mircea V. DIUDEA, Ivan GUTMAN, Lorentz JÄNTSCHI, 2001 (1st ed.) & 2002 (2nd ed.).
Molecular topology.
Huntington: Nova Science. 332 p. ISBN 1-56072-957-0.
- 3 Lorentz JÄNTSCHI, Mihaela L. UNGUREȘAN, 2001.
Capitole speciale de chimie pentru automatică.
Cluj-Napoca: UTPres. 202 p. ISBN 973-8335-15-9.
- 2 Lorentz JÄNTSCHI, Mihaela L. UNGUREȘAN, 2001.
Chimie fizică: cinetică și dinamică moleculară.
Cluj-Napoca: Mediamira. 159 p. ISBN 973-9358-71-3.
- 1 Lorentz JÄNTSCHI, Romeo CHIRA, 2000.
Chimia și biochimia poluanților - lucrări practice.
Cluj-Napoca: UTPres. 113 p. ISBN 973-9471-46-3.

Articole și conferințe:

- [id=296](#) Sorana D. BOLBOACĂ, Lorentz JÄNTSCHI, 2016. *Nano-quantitative structure-property relationship modeling on C₄₂ fullerene isomers*, Journal of Chemistry, Hindawi, ISSN 2090-9063, eISSN 2090-9071, Cairo, Egypt, 2016: 1791756 (8p.), DOI: 10.1155/2016/1791756.
- [id=295](#) Lavinia L. PRUTEANU, Lorentz JÄNTSCHI, Mihaela L. UNGUREȘAN, Sorana D.

- BOLBOACĂ, 2016. *Models of monovalent ions dissolved in water*, Studia Universitatis Babes-Bolyai Chemia, Babes-Bolyai University, ISSN 1224-7154, eISSN 2065-9520, Cluj-Napoca, Romania. 61(1): 151-162.
- [id=294](#) Mihaela L. UNGUREȘAN, Lavinia L. PRUTEANU, Lorentz JÄNTSCHI, Sorana D. BOLBOACĂ, 2016. *Correlation study among boiling temperature and heat of vaporization*, Studia Universitatis Babes-Bolyai Chemia, Babes-Bolyai University, ISSN 1224-7154, eISSN 2065-9520, Cluj-Napoca, Romania. 61(1): 223-234.
 - [id=293](#) Lorentz JÄNTSCHI, Sorana D. BOLBOACĂ, 2016. *Szeged Matrix Property Indices as descriptors to characterize fullerenes*, Ovidius University Annals of Chemistry, de Gruyter. ISSN 1583-2430, eISSN 2286-038X, Constanța, România, 27(2): 73-80. DOI: 10.1515/auoc-2016-0010.
 - [id=288](#) Alexandra M. HARȘA, Teodora E. HARȘA, Lorentz JÄNTSCHI, Mircea V. DIUDEA, 2015. *QSAR study on testosterone derivatives*, Journal of Chemical and Pharmaceutical Research. jocpr.com, ISSN 0975-7384, Jaipur, India, 7(3): 2281-2295.
 - [id=287](#) Lorentz JÄNTSCHI, Lavinia L. PRUTEANU, Alina C. COZMA, Sorana D. BOLBOACĂ, 2015. *Inside of the linear relation between dependent and independent variables*, Computational and Mathematical Methods in Medicine, Hindawi, ISSN 1748-670X, eISSN 1748-6718, Cairo, Egypt. 2015: 360752 (11p). DOI: 10.1155/2015/360752.
 - [id=286](#) Lorentz JÄNTSCHI, Sorana D. BOLBOACĂ, 2015. *Distribution on contingency of alignment of two literal sequences under constrains*, Acta Biotheoretica. Springer Verlag, ISSN 0001-5342. eISSN 1572-8358, Dordrecht, Netherlands, 63(1): 55-69, DOI: 10.1007/s10441-014-9243-7.
 - [id=292](#) Sorana D. BOLBOACĂ, Lorentz JÄNTSCHI, 2015. *Full factorial analysis on one-cage pentagonal faced nanostructures*, Virtual Conference on Computational Chemistry (VCCC-2015), August 1-31, 2015, University of Mauritius, Online, Internet, Presentation no.11.
 - [id=291](#) Lorentz JÄNTSCHI, Sorana D. BOLBOACĂ, 2015. *Maximum Likelihood Estimation in determination of power of the error in bivariate linear models involving generalized Gauss-Laplace distributed variables*, Virtual Conference on Computational Chemistry (VCCC-2015), August 1-31, 2015, University of Mauritius, Online, Internet, Presentation no.5.
 - [id=290](#) Lorentz JÄNTSCHI, Sorana D. BOLBOACĂ, 2015. *Agreement between Observation and Theoretical Model: Anderson Darling Statistic*, 30th Anniversary Conference organized by Journal of Official Statistics, Statistiska CentralByrån, Stockholm, Sweden, Poster H3.
 - [id=289](#) Lorentz JÄNTSCHI, Sorana D. BOLBOACĂ, 2015. *Shannon's entropy usage as statistic*, 2nd International Electronic Conference on Entropy and Its Applications, November 15-30, 2015, Molecular Diversity Preservation International, <https://sciforum.net/conference/ecea-2/paper/3251>, Online, Internet, ECEA-2/B001.
 - [id=285](#) Sorana D. BOLBOACĂ, Mircea V. DIUDEA, Lorentz JÄNTSCHI, 2014. *Parameterizing the influence of the atom type on highly symmetry structures*, MolMod 2014 - Molecular Modeling in Chemistry and Biochemistry, November 13-15, 2014, Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, Cluj-Napoca, Romania, Oral presentation, November 13, 2014, 17³⁵ - 17⁵⁰.
 - [id=284](#) Lorentz JÄNTSCHI, Mihaela L. UNGUREȘAN, Sorana D. BOLBOACĂ, 2014. *Monovalent ions dissolved in water*, MolMod 2014 - Molecular Modeling in Chemistry and Biochemistry, November 13-15, 2014, Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, Cluj-Napoca, Romania, Oral presentation, November 13, 2014, 15⁴⁰ - 16¹⁰.
 - [id=283](#) Monica G. HĂȘMĂȘANU, Sorana D. BOLBOACĂ, Lorentz JÄNTSCHI, 2014. *Design and implementation of data collection instruments for neonatology research*, Applied Medical Informatics, ISSN 1224-5593, eISSN 2067-7855, 35(4): 35-44.
 - [id=282](#) Lorentz JÄNTSCHI, Sorana D. BOLBOACĂ, 2014. *First order derivatives of thermodynamic functions under assumption of no chemical changes revisited*, Journal of Computational Science, Elsevier, 1877-7503, 5(4): 597-602, DOI: 10.1016/j.jocs.2013.12.006.
 - [id=281](#) Sorana D. BOLBOACĂ, Lorentz JÄNTSCHI, 2014. *Sensitivity, specificity, and accuracy of predictive models on phenols toxicity*, Journal of Computational Science, Elsevier, 1877-7503, 5(3): 345-350, DOI: 10.1016/j.jocs.2013.10.003.
 - [id=280](#) Lorentz JÄNTSCHI, Sorana D. BOLBOACĂ, 2014. *Rarefaction on natural compound extracts diversity among genus*, Journal of Computational Science, Elsevier, 1877-7503, 5(3): 363-367, DOI: 10.1016/j.jocs.2013.08.002.
 - [id=279](#) Sorana D. BOLBOACĂ, Daniela D. ROȘCA, Lorentz JÄNTSCHI, 2014. *Structure-activity relationships from natural evolution*, MATCH Communications in Mathematical and in Computer Chemistry, 0340-6253, Kragujevac, Serbia, 71(1): 149-172.
 - [id=278](#) Monica G. HĂȘMĂȘANU, Sorana D. BOLBOACĂ, Lorentz JÄNTSCHI, 2014. *Bose-Einstein and Fermi-Dirac distributions and their use in biological sciences*, BUASVMCN. Veterinary Medicine, 1843-5270, e1843-5378, 71(1): 114-123.
 - [id=277](#) Sorana D. BOLBOACĂ, Lorentz JÄNTSCHI, 2013. *Artificial photosynthesis: porphyrins-fullerene molecular complex*, irtual Conference on Computational Chemistry "Computational chemistry in the digital age", University of Mauritius, Online, Internet, Online presentation,

<http://sites.uom.ac.mu/vccc/images/stories/IP13-Jantschi.pdf>.

- [id=276](#) Lorentz JÄNTSCHI, Sorana D. BOLBOACĂ, **2013**. *First order derivatives of thermodynamic functions under assumption of no chemical changes*, irtual Conference on Computational Chemistry "Computational chemistry in the digital age", University of Mauritius. Online, Internet. Online presentation, <http://sites.uom.ac.mu/vccc/images/stories/IP16-Jantschi.pdf>.
- [id=275](#) Sorana D. BOLBOACĂ, Lorentz JÄNTSCHI, **2013**. *Linear regression modeling and validation strategies for structure-activity relationships*, BIOMATH International Conference on Mathematical Methods and Models in Biosciences, June 18-19, 2013, University of Plovdiv, ISSN 2367-5233, eISSN 2367-5241, Sofia, Bulgaria, Invited lecture, June 18, 2013. 15⁰⁰-15⁴⁰.
- [id=274](#) Lorentz JÄNTSCHI, Sorana D. BOLBOACĂ, **2013**. *Distribution at contingency of alignment of two literal sequences under constrains*, BIOMATH International Conference on Mathematical Methods and Models in Biosciences, June 18-19, 2013, University of Plovdiv, ISSN 2367-5233, eISSN 2367-5241, Sofia, Bulgaria, Oral presentation, June 19, 2013. 16²⁰-16⁴⁰.
- [id=273](#) Sorana D. BOLBOACĂ, Lorentz JÄNTSCHI, **2013**. *Porphyrin photovoltaic functionalization of the fullerene*. Nanoscience in mathematics, physics, chemistry and biology workshop, March 21, 2013, European Society of Mathematical Chemistry, Cluj-Napoca, Romania, Oral presentation, March 21, 2013. 14⁴⁰-15⁰⁰.
- [id=272](#) Bernadette E. TELEKY, Mugur C. BĂLAN, Lorentz JÄNTSCHI, **2013**. *Anaerobic digestion of straw by lignocellulose degrading bacteria*, Analele Universitatii din Oradea - Fascicula Chimie, Analele Universitatii din Oradea - Fascicula Chimie, 1224-7626, Oradea, 20: 15-21.
- [id=271](#) Monica P. FODOR, Sorana D. BOLBOACĂ, Lorentz JÄNTSCHI, **2013**. *Distribution of molecules by kinetic energy revisited*, BUASVMCN. Horticulture, 1843-5254, e1843-5394, 70(1): 10-18.
- [id=270](#) Lorentz JÄNTSCHI, Sorana D. BOLBOACĂ, **2013**. *Supervised evolution: research concerning the number of evolutions that occur under certain constraints*, Chemical Biology & Drug Design, Wiley, 1747-0285, 82(5): 603-611, DOI: 10.1111/cbdd.12190.
- [id=269](#) Lorentz JÄNTSCHI, Radu E. SESTRĂȘ, Sorana D. BOLBOACĂ, **2013**. *Modeling the antioxidant capacity of red wine from different production years and sources under censoring*, Computational and Mathematical Methods in Medicine, Hindawi, 1748-670X, a267360 (7p), DOI: 10.1155/2013/267360.
- [id=268](#) Sorana D. BOLBOACĂ, Lorentz JÄNTSCHI, **2013**. *Quantitative structure-activity relationships: linear regression modelling and validation strategies by example*, Biomath, Bulgarian Academy of Sciences, 1314-684X, e1314-7218, Sofia, Bulgaria, 2(1), a1309089 (11p), DOI: 10.11145/j.biomath.2013.09.089.
- [id=267](#) Mugur C. BĂLAN, Tudor P. TODORAN, Sorana D. BOLBOACĂ, Lorentz JÄNTSCHI, **2013**. *Assessments about soil temperature variation under censored data and importance for geothermal energy applications. Illustration with Romanian data*, Journal of Renewable and Sustainable Energy, American Institute of Physics, e1941-7012, 5(4), a041809 (13p), DOI: 10.1063/1.4812655.
- [id=266](#) Lorentz JÄNTSCHI, Sorana D. BOLBOACĂ, Mircea V. DIUDEA, **2013**. *Molecular design and QSARs with molecular descriptors family*, Current Computer-Aided Drug Design, Bentham, 1573-4099, e1875-6697, 9(2): 195-205, DOI: 10.2174/1573409911309020005.
- [id=265](#) Sorana D. BOLBOACĂ, Lorentz JÄNTSCHI, **2013**. *The effect of leverage and influential on structure-activity relationships*, Combinatorial Chemistry & High Throughput Screening, Bentham, 1386-2073, e1875-5402, 16(4): 288-297, DOI: 10.2174/1386207311316040003.
- [id=264](#) Sorana D. BOLBOACĂ, Lorentz JÄNTSCHI, **2012**. *The effects on sensitivity of the structure-activity models*, International Conference on Bioinformatics and Computational Biology, BIOCAMP BG 2012, September 20-21, 2012, University of Plovdiv, Varna, Bulgaria, Poster P37.
- [id=263](#) Lorentz JÄNTSCHI, Sorana D. BOLBOACĂ, **2012**. *Natural compound extracts diversity among genus*, International Conference on Bioinformatics and Computational Biology, BIOCAMP BG 2012, September 20-21, 2012, University of Plovdiv, Varna, Bulgaria, Poster P38.
- [id=262](#) Ferenc GĂSPĂR, Mugur C. BĂLAN, Lorentz JÄNTSCHI, Victor ROȘ, **2012**. *Evaluation of global solar radiation received by a spherical solar collector*, BUASVMCN. Agriculture, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, ISSN 1843-5246, eISSN 1843-5386, Cluj-Napoca, Romania, 69(2): 128 - 135.
- [id=261](#) Lorentz JÄNTSCHI, **2012**. *Distribution fitting 16. How many colors are actually in the field?*, BUASVMCN. Horticulture, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, ISSN 1843-5254, eISSN 1843-5394, Cluj-Napoca, Romania, 69(1): 184-188, 2012, ArXiv: 1205.4306.
- [id=260](#) Ticușor CIOBOTARU, Daniel FRUNZETI, Ioan RUS, Lorentz JÄNTSCHI, **2012**. *The working regime analysis of a track-type tractor*, International Journal of Heavy Vehicle Systems, Inderscience Publishers, ISSN 1744-232X, eISSN 1741-5152, Ontario, Canada, 19(2): 172-187, DOI: 10.1504/IJHVS.2012.046833.
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