

List of Publications: Sorana D. BOLBOACĂ

a. List of publications referred in art. 12 para. (1) h) (O.M. 5691/13.10.2011), considered by the candidate as being most relevant for professional achievements obtained after conferring the title of doctor in sciences, which are electronically included and can also be found in other categories.

1. Bolboacă SD, Jäntschi L. Predictivity Approach for Quantitative Structure-Property Models. Application for Blood-Brain Barrier Permeation of Diverse Drug-Like Compounds. *International Journal of Molecular Sciences* 2011;12(7):4348-4364. (IF₂₀₁₀ = 2.279; RIS_{Dec-2011} = 1.60778)
2. Ciurea AI, Bolboacă SD, Ciortea CA, Botar-Jid C, Dudea SM. The influence of technical factors on sonoelastographic assessment of solid breast nodules. *Ultraschall in der Medizin* 2011;32(Suppl 1):S27-34. (IF₂₀₁₀ = 3.260; RIS_{Dec-2011} = 0.76368)
3. Jäntschi L, Bolboacă SD, Sestraş RE. Meta-heuristics on quantitative structure-activity relationships: study on polychlorinated biphenyls. *Journal of Molecular Modeling* 2010;16(2):377-386. (IF₂₀₁₀ = 1.871; RIS_{Dec-2011} = 1.84731)
4. Jäntschi L, Bolboacă SD. Exact Probabilities and Confidence Limits for Binomial Samples: Applied to the Difference between Two Proportions. *TheScientificWorldJOURNAL* 2010;10:865-878. (IF₂₀₁₀ = 1.524; RIS_{Dec-2011} = 0.62978)
5. Bolboacă SD, Jäntschi L. Comparison of Quantitative Structure-Activity Relationship Model Performances on Carboquinone Derivatives. *TheScientificWorldJOURNAL* 2009;9(10):1148-1166. (IF₂₀₁₀ = 1.524; RIS_{Dec-2011} = 0.62978)
6. Chirilă M, Bolboacă SD, Cosgarea M, Tomescu E, Mureşan M. Perineural invasion of the major and minor nerves in laryngeal and hypopharyngeal cancer. *Otolaryngology-Head and Neck Surgery* 2009;140(1):65-69. (IF₂₀₁₀ = 1.565; RIS_{Dec-2011} = 1.33662)
7. Bolboacă SD, Jäntschi L. Modelling the property of compounds from structure: statistical methods for models validation. *Environmental Chemistry Letters* 2008;6:175-181. (IF₂₀₁₀ = 2.051; RIS_{Dec-2011} = 1.71557)
8. Jäntschi L, Bolboacă SD. A Structural Modelling Study on Marine Sediments Toxicity. *Marine Drugs* 2008;6(2):372-388. (IF₂₀₁₀ = 3.471; RIS_{Dec-2011} = 1.82412)
9. Bolboacă SD, Pică EM, Cimpoiu CV, Jäntschi L. Statistical Assessment of Solvent Mixture Models Used for Separation of Biological Active Compounds. *Molecules* 2008;8(13):1617-1639. (IF₂₀₁₀ = 1.988; RIS_{Dec-2011} = 0.82167)
10. Jäntschi L, Bolboacă SD. Results from the use of molecular descriptors family on structure property/activity relationships. *International Journal of Molecular Sciences* 2007;8(3):189-203. (IF₂₀₁₀ = 2.279; RIS_{Dec-2011} = 1.60778)
11. Bolboacă SD, Jäntschi L. How good can the characteristic polynomial be for correlations? *International Journal of Molecular Sciences* 2007;8(4):335-345. (IF₂₀₁₀ = 2.279; RIS_{Dec-2011} = 1.60778)

b. PhD Theses

PhD1. Sorana D. BOLBOACĂ, 2006. Evidence-Based Medicine: Logistique and Implementation (in Romanian). PhD Thesis in Medical Sciences. Scientific advisor: Prof. Dr. Andrei ACHIMAŞ CADARIU. "Iuliu Haţieganu" University of Medicine and Pharmacy Cluj-Napoca, Faculty of Medicine.

PhD2. Sorana D. BOLBOACĂ, 2010. Statistical Models for Analysis of Genetic Variability (in Romanian). PhD Thesis in Horticulture. Scientific advisor: Prof. Dr. Radu E. SESTRĂŞ. University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Faculty of Horticulture.

c. Patents and other intellectual property rights

Not available.

d. Books and books chapters

1. Bolboacă SD, Jäntschi L. From molecular structure to molecular design through the Molecular Descriptors Family Methodology. In: QSPR-QSAR Studies on Desired Properties for Drug Design (Ed.: Eduardo A. CASTRO), Research Signpost, Transworld Research Network, pp. 117-166, 2010, 978-81-308-0404-0.
2. Marta MM, Bolboacă SD, Jäntschi L. Self Directed Training in an Evidence-Based Medicine Experiment. In: Human-Computer Systems Interaction (Eds: Zdzislaw S. Hippe, Juliusz L. Kulikowski, Springer, 193-206, 2009, ISBN 978-3-642-03201-1, e-ISBN 978-3-642-03202-8, ISSN 1867-5662, DOI 10.1007/978-3-642-03202-8.
3. Bolboacă SD, Jäntschi L. Evaluarea Intervalelor de încredere folosite în studiile medicale. AcademicDirect & AcademicPres, Cluj-Napoca, Romania, 234 pages, 2008, ISBN 973-973-744-107-2 (AcademicPres) & eISBN 978-973-86211-2-1 (AcademicDirect).

4. Jäntschi L, Văleanu MA, Bolboacă SD. Programarea rapidă a aplicațiilor pentru baze de date relaționale. AcademicDirect & AcademicPres, Cluj-Napoca, Romania, 233 pages, 2006, ISBN(10) 973-86211-5-1 & ISBN(13) 978-973-86211-5-2 (AcademicDirect) & ISBN(10) 973-744-044-7 & ISBN(13) 978-973-744-044-0 (AcademicPres).
5. Drugan T, Bolboacă S, Călinici T, Istrate D, Colosi H, Gălătuș R, et al. Applications of Medical Informatics and Biostatistics (in Romanian), SRIMA Publishing House, Cluj-Napoca, Romania, 193 pages, 2004, ISBN 973-85285-3-4.
6. Bolboacă S, Colosi H, Drugan T, Achimaș A, Țigan Ș. Elements of Medical Informatics and Biostatistics, SRIMA Publishing House, Cluj-Napoca, Romania, 211 pages, 2003, ISBN 973-85285-0-X.
7. Drugan T, Bolboacă S, Colosi H, Achimaș A, Țigan Ș. Statistical Inference of Medical Data (in Romanian), ALMA MATER Publishing House, Cluj-Napoca, Romania, 212 pages, 2003, ISBN 973-8397-22-7.
8. Drugan T, Bolboacă S, Colosi H, Gălătuș R, Călinici T, Istrate D, et al. Applied Medical Informatics (in Romanian), SRIMA Publishing House, Cluj-Napoca, Romania, 204 pages, 2003, ISBN 973-8296-09-9.
9. Jäntschi L, Bolboacă S. Applied Chemical and Instrumental Analysis (in Romanian), AcademicDirect, Cluj-Napoca, Romania, 60 pages, 2003, ISBN 973-86211-6-X.
10. Drugan T, Bondor C, Bolboacă S, Călinici T, Colosi H, Gălătuș R, et al. Practical Applications of Medical Informatics and Statistics (in Romanian), ALMA MATER Publishing House, Cluj-Napoca, Romania, 198 pages, 2002, ISBN 973-85354-5-X.

e. *In extenso* articles published in international scientific flux

1. Bolboacă SD, Jäntschi L. Predictivity Approach for Quantitative Structure-Property Models. Application for Blood-Brain Barrier Permeation of Diverse Drug-Like Compounds. International Journal of Molecular Sciences 2011;12(7):4348-4364.
2. Sestraș AF, Pamfil D, Dan C, Bolboacă SD, Jäntschi L, Sestraș RE. Possibilities to improve apple scab (*Venturia inaequalis* (Cke.) Wint.) and powdery mildew [*Podosphaera leucotricha* (Ell. et Everh.) Salm.] resistance on apple by increasing genetic diversity using potentials of wild species. Australian Journal of Crop Science 2011;5(6):748-755.
3. Ciurea AI, Bolboacă SD, Ciortea CA, Botar-Jid C, Dudea SM. The influence of technical factors on sonoelastographic assessment of solid breast nodules. Ultraschall in der Medizin 2011;32(Suppl 1):S27-34.
4. Chirilă M, Bolboacă SD, Mureșan M, Tomescu E, Cosgarea M. Lymphatic and Vascular Invasion in Laryngeal and Pyriform Sinus Carcinomas. Laryngo-Rhino-Otologie 2011;90(6):358-3639.
5. Bolboacă SD, Jäntschi L, Sestraș RE. Dependence between determination coefficient and number of regressors: a case study on retention times of mycotoxins. Studia Universitatis Babes-Bolyai Chimia 2011;56(1):157-166.
6. Dinu C, Kretschmer W, Baciut M, Rotaru H, Bolboacă SD, Gheban D, Muste A, Catoi C, Pestean C, Baciut G. The effect of distraction rate on bone histological and histomorphometrical properties in an ovine mandible model. Romanian Journal of Morphology and Embryology 2011;52(3):819-825.
7. Hosu AD, Cimpoiu CV, Pop N, Miclăuș V, Bolboacă SD, Jäntschi L. The Analysis of Different Factors Affecting the Red Wines Antioxidant Content. Notulae Botanicae Horti Agrobotanici Cluj-Napoca 2011;39(1):159-164.
8. Bolboacă SD, Jäntschi L, Baciut AD, Sestraș RE. Griffing's Experimental Method II: Step-By-Step Descriptive and Inferential Analysis of Variances. JP Journal of Biostatistics 2011;6(1):31-52.
9. Bolboacă SD, Jäntschi L, Sestraș AF, Sestraș RE, Pamfil DC. Pearson-Fisher Chi-Square Statistic Revisited. Information 2011;2(3):528-545.
10. Jäntschi L, Bolboacă SD, Bălan M, Sestraș RE. Distribution fitting 13. Analysis of independent, multiplicative effect of factors. Application to the effect of essential oils extracts from plant species on bacterial species. Application to the factors of antibacterial activity of plant species, Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Animal Science and Biotechnologies 2011;68(1-2):323-331.
11. Boja AR, Tamaș MM, Rednic N, Filipescu I, Bolboacă SD, Rednic S, Mircea PA. Ultrasonography in symmetric hand arthritis: are left and right equivalent?. Romanian Journal of Rheumatology 2011;XX(1):20-26.
12. Jäntschi L, Bolboacă SD, Sestraș RE. A Study of Genetic Algorithm Evolution on the Lipophilicity of Polychlorinated Biphenyls. Chemistry & Biodiversity 2010;7(8):1978-1989.
13. Jäntschi L, Bolboacă SD, Sestraș RE. Meta-heuristics on quantitative structure-activity relationships: study on polychlorinated biphenyls. Journal of Molecular Modeling 2010;16(2):377-386.
14. Jäntschi L, Bolboacă SD, Furdui CM. Characteristic and counting polynomials: modelling nonane isomers properties. Molecular Simulation 2009;35(3):220-227.
15. Jäntschi L, Bolboacă SD. Exact Probabilities and Confidence Limits for Binomial Samples: Applied to the Difference between Two Proportions. TheScientificWorldJOURNAL 2010;10:865-878.
16. Jäntschi L, Bolboacă SD, Sestraș RE. Classical Approaches of Genetic Algorithms and Their Suitability. Asian Journal of Chemistry 2010;22(3):2275-2284.
17. Jäntschi L, Bolboacă SD. The Relationship Between Energy Calculations and Boiling Points of N-Alkanes. Studia Universitatis Babes-Bolyai Chimia 2010;55(4):61-67.

18. Bolboacă SD, Jäntschi L. Diagnostic of a QSPR Model: Aqueous Solubility of Drug-Like Compounds. *Studia Universitatis Babes-Bolyai Chemia* 2010;55(4):69-76.
19. Botar-Jid C, Bolboacă SD, Damian L, Dudea SM, Pantilie C, Nedevschi S, Badea R. Assessment of Sonoelastography as Diagnosis Tool of Inflammatory Myopathies. *Applied Medical Informatics* 2010;27(4):81-89.
20. Bolboacă SD, Jäntschi L, Bălan M, Diudea MV, Sestraş RE. State of Art in Genetic Algorithms for Agricultural Systems. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca* 2010;38(3):51-63.
21. Sestraş RE, Dan C, Pamfil D, Sestraş AF, Jäntschi L, Bolboacă SD. The Variability of Juvenile Period, Fruits Size and Response to Diseases Attack on F-1 Interspecific Apple Hybrids and the Efficiency of Selection. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca* 2010;38(1):234-240.
22. Bălan M, Jäntschi L, Bolboacă SD, Damian M. Thermal Solar Collectors Behaviour in Romania. *Polish Journal of Environmental Studies* 2010;19(1):231-241.
23. Botar-Jid C, Bolboacă S, Fodor D, Bocsa C, Tamas MM, Micu M, Dudea SM, Vasilescu D, Badea R. Gray scale and power Doppler ultrasonography in evaluation of early rheumatoid arthritis. *Medical Ultrasonography* 2010;12(4):300-5.
24. Bolboacă SD, Marta MM, Jäntschi L. Binding affinity of triphenyl acrylonitriles to estrogen receptors: quantitative structure-activity relationships. *Folia Medica* 2010;52(3):37-45.
25. Stoenoiu CE, Bolboacă SD, Abrudan IV, Jäntschi L. The Role of the Academic Community in Defining the Professional Route: Students' Perception. *Actual Problems of Economics* 2010;103(1):277-285.
26. Jäntschi L, Bolboacă SD, Bălan M, Sestraş RE, Diudea MV. Results of Evolution Supervised by Genetic Algorithms. *Notulae Scientia Biologicae* 2010;2(3):12-15.
27. Bolboacă SD, Marta MM, Drugan TC. Medical Informatics and Statistics in an Undergraduate Nursing Curriculum: Survey of Students' Perception. *Applied Medical Informatics* 2010;26(1):51-62.
28. Rotar I, Bolboacă SD, Mureşan D, Popp R, Petrişor F, Butuza C, Caracostea G, Stamatian F. The Analysis of Genetic Polymorphism. The Relationship between Interleukin - 4 Polymorphisms and Intraepithelial Cervical Neoplasia. *Appl Med Inform* 2010;27(3):43-52.
29. Bolboacă SD. Assessment of Random Assignment in Training and Test Sets using Generalized Cluster Analysis Technique. *Applied Medical Informatics* 2010;28(2):9-14.
30. Lăţea L, Negrea ŞL, Bolboacă SD. Effects of valsartan and nebivolol on blood pressure, QT dispersion and left ventricular hypertrophy in hypertensive patients. *Dicle Medical Journal* 2010;37(2):OA81-88.
31. Bolboacă SD, Jäntschi L, Sestraş AF, Sestraş RE. Statistics and Genetic Analysis of Quantitative Traits using Griffing's Experimental Method IV: A Practical Guideline. *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Horticulture* 2010;67(1):56-64.
32. Jäntschi L, Bolboacă SD, Sestraş RE. Recording Evolution Supervised by a Genetic Algorithm for Quantitative Structure-Activity Relationship Optimization. *Applied Medical Informatics* 2010;26(2):89-100.
33. Negrea Ş, Lăţea L, Bolboacă SD. Effects of Valsartan and Nebivolol Treatment on Blood Pressure Variability in Hypertensive Patients. *Australasian Medical Journal* 2010;1(4):248-252.
34. Jäntschi L, Bolboacă SD, Diudea MV, Sestraş RE. Average Trends over Millennia of Evolution Supervised by Genetic Algorithms. 1. Analysis of Genotypes. *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Horticulture* 2010;67(1):72-79.
35. Jäntschi L, Bolboacă SD, Diudea MV, Sestraş RE. Average Trends over Millennia of Evolution Supervised by Genetic Algorithms. 2. Analysis of Phenotypes. *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Agriculture* 2010;67(1):161-168.
36. Jäntschi L, Bolboacă SD, Diudea MV, Sestraş RE. Average Trends over Millennia of Evolution Supervised by Genetic Algorithms. 3. Analysis of Phenotypes Associations, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Agriculture* 2010;67(1):169-174.
37. Jäntschi L, Bolboacă SD, Bălan M, Sestraş RE. Tendency of Evolution Supervised by Genetic Algorithms. *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Horticulture* 2010;67(1):80-85.
38. Bolboacă SD, Jäntschi L. Comparison of Quantitative Structure-Activity Relationship Model Performances on Carboquinone Derivatives. *TheScientificWorldJOURNAL* 2009;9(10):1148-1166.
39. Chirilă M, Bolboacă SD, Cosgarea M, Tomescu E, Mureşan M. Perineural invasion of the major and minor nerves in laryngeal and hypopharyngeal cancer. *Otolaryngology-Head and Neck Surgery* 2009;140(1):65-69.
40. Jäntschi L, Bolboacă SD, Sestraş RE. Hard problems in gene sequence analysis: classical approaches and suitability of genetic algorithms. *Biotechnology & Biotechnological Equipment* 2009;23(2):1275-1280.
41. Bălan MC, Bolboacă SD, Sestraş RE, Jäntschi L. Experimental Setup to Study the Local Renewable Energy Potential and the Environment Influence on Fruits Growing. *Actual Tasks on Agricultural Engineering* 2009;37:265-271.
42. Stoenoiu CE, Bolboacă SD, Abrudan IV, Jäntschi L. Student perception of degree of academic community involvement in academic life. *Actual Problems of Economics* 2009;11(101):276-283.

43. Bălan MC, Bolboacă SD, Jäntschi L, Sestraş RE. Weather Monitoring: Wind Analysis (May, 2009; GPS: Lat. N46°45'35"; Long. E23°34'19"). *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Horticulture* 2009;66(1):7-9.
44. Ciortea CA, Bolboacă SD, Ciurea A, Botar-Jid C, Dudea SM. Cost Analysis on Imaging Diagnostic Techniques in Cerebral and Abdominal Neonatal Pathology. *Applied Medical Informatics* 2009;25(3-4):55-64.
45. Bolboacă SD, Jäntschi L, Sestraş RE. Statistical Approaches in Analysis of Variance: from Random Arrangements to Latin Square Experimental Design. *Leonardo Journal of Science* 2009;8(15):71-82.
46. Jäntschi L, Bălan MC, Bolboacă SD. Counting Polynomials on Regular Iterative Structures. *Applied Medical Informatics* 2009;24(1-2):67-95.
47. Chirilă M, Bolboacă SD, Cosgarea M, Tomescu E, Pop M, Țiple C. Correlation between Histopathological Minor Prognostic Factors in Laryngeal and Pyriform Sinus Carcinoma. *Journal of the Romanian Society for Radiotherapy and Medical Oncology* 2009;XV(1):119-123.
48. Jäntschi L, Bolboacă SD, Stoenoiu CE, Iancu M, Marta MM, Pică EM, Ștefu M, Sestraş AF, Duda MM, Sestraş RE, Țigan Ș, Abrudan I, Bălan MC. Distribution Fitting 4. Benford test on a sample of observed genotypes number from running of a genetic algorithm. *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca - Agriculture* 2009;66(1):82-88.
49. Jäntschi L, Bolboacă SD. Entropy due to Fragmentation of Dendrimers. *Surveys in Mathematics and its Applications* 2009;4:169–177.
50. Stoenoiu CE, Bolboacă SD. Human Capital-Resource Analysis at Technical University of Cluj-Napoca. *Review of Management and Economic Engineering* 2009;8(1):119-134.
51. Jäntschi L, Stoenoiu CE, Bolboacă SD, Bălan MC, Bolunduț LC, Popescu V, Nașcu HI, Abrudan I. Knowledge Assessment: Distribution of Answers to an Online Quizzed System. *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Horticulture* 2009;66(2):680-683.
52. Jäntschi L, Bolboacă SD. Distribution Fitting 2. Pearson-Fisher, Kolmogorov-Smirnov, Anderson-Darling, Wilks-Shapiro, Kramer-von-Misses and Jarque-Bera statistics. *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Horticulture* 2009;66(2):691-697.
53. Bolboacă SD, Jäntschi L. Distribution Fitting 3. Analysis under Normality Assumptions, *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Horticulture* 2009;66(2):698-705.
54. Bolboacă SD, Marta MM, Stoenoiu CE, Jäntschi L. Molecular Descriptors Family on Vertex Cutting: Relationships between Acelazolamide Structures and their Inhibitory Activity. *Applied Medical Informatics* 2009;25(3-4):65-74.
55. Jäntschi L, Bolboacă SD. Observation vs. Observable: Maximum Likelihood Estimations according to the Assumption of Generalized Gauss and Laplace Distributions. *Leonardo Electronic Journal of Practices and Technologies* 2009;8(15):81-104.
56. Jäntschi L, Popescu V, Bolboacă SD. Toxicity caused by para-substituted phenols on *Tetrahymena pyriformis*: The structure-activity relationships. *Electronic Journal of Biotechnology* 2008;11(3):paper 9
57. Bolboacă SD, Jäntschi L. A Structural Informatics Study on Collagen. *Chemical Biology & Drug Design* 2008;71(2):173-179.
58. Jäntschi L, Bolboacă SD. A Structural Modelling Study on Marine Sediments Toxicity. *Marine Drugs* 2008;6(2):372-388.
59. Bolboacă SD, Jäntschi L. Modelling the property of compounds from structure: statistical methods for models validation. *Environmental Chemistry Letters* 2008;6:175-181
60. Bolboacă SD, Jäntschi L. Modelling Analysis of Amino Acids Hydrophobicity. *MATCH-Communications in Mathematical and in Computer Chemistry* 2008;60(3):1021-1032.
61. Suciu I, Cosma C, Todica M, Bolboacă SD, Jäntschi L. Analysis of Soil Heavy Metal Pollution and Pattern in Central Transylvania. *International Journal of Molecular Sciences* 2008;9(4):434-453.
62. Cosma C, Suciu I, Jäntschi L, Bolboacă SD. Ion-Molecule Reactions and Chemical Composition of Emanated from Herculane Spa Geothermal Sources. *International Journal of Molecular Sciences* 2008;9(6):1024-1033.
63. Bolboacă SD, Pică EM, Cimpoiu CV, Jäntschi L. Statistical Assessment of Solvent Mixture Models Used for Separation of Biological Active Compounds. *Molecules* 2008;8(13):1617-1639.
64. Jäntschi L, Bolboacă SD, Diudea MV. Chromatographic Retention Times of Polychlorinated Biphenyls: from Structural Information to Property Characterization. *International Journal of Molecular Sciences* 2007;8(11):1125-1157.
65. Jäntschi L, Bolboacă SD. Informational Entropy of B-ary Trees after a Vertex Cut. *Entropy* 2008;10(4):576-588.
66. Bolboacă SD, Jäntschi L. Structure-activity relationships of taxoids: a molecular descriptors family approach. *Archives of Medical Science* 2008;4(1):7-15
67. Chirilă M, Bolboacă S, Tomescu E, Revesz A, Matic A, Stamate M, Frandes I. Cortisone treatment in prevention of pharyngocutaneous fistula after total laryngectomy. *Chirurgia* 2008;103(5):553-557.
68. Jäntschi L, Stoenoiu CE, Bolboacă S. A Formula for Vertex Cuts in b-Trees. *International Journal of Pure and Applied Mathematics* 2008;47(1):17-22.

69. Suta-Negrea ŞL, Bolboacă SD. Effects of Valsartan Therapy on QT Interval Dispersion in Congestive Heart Failure. *Applied Medical Informatics* 2008;22(1-2):27-32.
70. Ştefu M, Bolboacă SD, Jäntschi L. Molecular Hyperstructures with High Symmetry. *Bulletin of University of Agricultural Sciences and Veterinary Medicine – Horticulture* 2008;65(2):681-686.
71. Jäntschi L, Jäntschi GA, Bălan M, Duda MM, Bolboacă SD. On about Design and Implementation of a Harvester for French and English Marigold. *Bulletin of University of Agricultural Sciences and Veterinary Medicine – Horticulture* 2008;65(1):192-197.
72. Laza V, Bolboacă SD. The Effect of Negative Air Ionization Exposure on Ontogenetic Development of Chicken. *Leonardo Electronic Journal of Practices and Technologies* 2008;7(13):76-87.
73. Bolboacă SD, Jäntschi L. Optimized Confidence Intervals for Binomial Distributed Samples. *International Journal of Pure and Applied Mathematics* 2008;47(1):1-8.
74. Stoenoiu CE, Bolboacă SD, Jäntschi L. Model Formulation & Interpretation - From Experiment to Theory. *International Journal of Pure and Applied Mathematics* 2008;47(1):9-16.
75. Bolboacă S, Jäntschi L. Cyclicity Analysis of Amino-Acids on Type I Collagen Chains. *Bulletin of University of Agricultural Sciences and Veterinary Medicine. Animal Science and Biotechnologies* 2008;65(1-2):404-409.
76. Bolboacă SD, Jäntschi L. Homo Sapiens Type I Collagen: Patterns Analysis. *Applied Medical Informatics* 2008;22(1-2):39-46.
77. Jäntschi L, Bolboacă S, Sestraş R. On about what Can Be Done and what Cannot Be Done with Genetic Algorithms in Phylogenetic Tree and Gene Sequence Analyses. *Bulletin of University of Agricultural Sciences and Veterinary Medicine. Horticulture* 2008;65(1):63-70.
78. Hedeşiu M, Leluţiu L, Bolboacă SD, Popiţa V, Guttman T, Baciut M. Expression of CD44S Cell Adhesion Molecule in Maxillofacial Squamous Cell Carcinomas and its Imaging Significance. *Revista medico-chirurgicala a Societatii de Medici si Naturalisti din Iasi* 2008;112(1):312-319.
79. Bolboacă SD, Jäntschi L. Structure-Property Based Model for Alkanes Boiling Points. *International Journal of Pure and Applied Mathematics* 2008;47(1):23-30.
80. Bolboacă S, Jäntschi L, Sestraş R. Reporting Results an Associated Statistics in Quantitative Genetic Studies. *Bulletin of University of Agricultural Sciences and Veterinary Medicine - Horticulture* 2008;65(1):71-79.
81. Jäntschi L, Bolboacă SD. Results from the use of molecular descriptors family on structure property/activity relationships. *International Journal of Molecular Sciences* 2007;8(3):189-203.
82. Jäntschi L, Bolboacă SD. Modeling the octanol-water partition coefficient of substituted phenols by the use of structure information. *International Journal of Quantum Chemistry* 2007;107(8):1736-1744.
83. Bolboacă SD, Jäntschi L. How good can the characteristic polynomial be for correlations? *International Journal of Molecular Sciences* 2007;8(4):335-345.
84. Bolboacă SD, Jäntschi L. Mapping Cigarettes Similarities using Cluster Analysis Methods. *International Journal of Environmental Research and Public Health* 2007;4(3):233-42.
85. Bolboacă SD, Jäntschi L. Computer-based testing on physical chemistry topic: A case study. *International Journal of Education and Development using ICT* 2007;3(9):id=242.
86. Bolboacă SD, Jäntschi L. Design of Experiments: Useful Orthogonal Arrays for Number of Experiments from 4 to 16. *Entropy* 2007;9:198-232.
87. Bolboacă SD, Jäntschi L. Structure versus biological role substituted thiadiazole - and thiadiazoline - disulfonamides. *Studii şi Cercetari Stiintifice - Seria Biologie* 2007;12:50-56.
88. Bolboacă S, Jäntschi L. Amino Acids Sequences Analysis on Collagen. *Bulletin of University of Agricultural Sciences and Veterinary Medicine - Animal Science and Biotechnologies* 2007;63-64:311-316.
89. Jäntschi L, Bolboacă S. Structure-Activity Relationships on the Molecular Descriptors Family Project at the End. *Leonardo Electronic Journal of Practices and Technologies* 2007;11:163-180.
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91. Bolboacă S, Jäntschi L. Data Mining on Structure-Activity/Property Relationships Models. *World Applied Sciences Journal* 2007;2(4):323-332.
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