

Damir Vukičević / Short CV

Born: September 1st, 1975

E-mail: vukicevic@pmfst.hr

Phone: +385-21-385-133 (office) +385-21-531-730 (home)

Home: Vojka Krstulovića 23, HR-21000 Split

Office: Nikole Tesle 12, Department of Mathematics, Faculty of Science, University of Split

Education: PhD in Mathematics, University of Zagreb, Croatia, 2003. Supervised by: *Darko Veljan*

Employment history: Department of Mathematics, Faculty of Science, University of Split, Croatia, (1998-), current position: *Full Professor*

Author of: over 130 refereed research papers, several software packages, eight book chapters and two textbooks

Bibliometry: over 1100 citations (over 900 excluding self-citations), h-index = 19

Invited speaker at: 4 international conferences and 3 meetings of International Academy of mathematical Chemistry

Reviewer

ACM – Communications in Computer Algebra; Acta Chimica Slovenica; Applied Mathematics Letters; Ars Combinatorica; Ars Matheamtica Contemporanea; Central European Journal of Operations Research; Chemical Physics Letters; Computers and Mathematics with Applications; Croatica Chemica Acta; Discrete Applied Mathematics; Discrete Mathematics; European Journal of Operational Research; FILOMAT; Hacettepe Journal of Mathematics and Statistics; Information Processing Letters; International Journal of Combinatorics; International Journal of Quantum Chemistry; Internet Mathematics; Iranian Journal of Mathematical Chemistry; Journal of Chemometrics; Journal of Computational Chemistry; Journal of Mathematical Analysis and Application; Journal of Mathematical Chemistry; The Journal of Physical Chemistry; Kinesiology; MATCH – Communications in Mathematical and in Computer Chemistry; Mathematical and Computer Modeling; Mathematical Communications; Mathematical Inequalities and Applications; Molecular Diversity; Utilitas Mathematica

Organizing Activities

Secretary of the International Academy of Mathematical Chemistry

Member of the organizing committee (co-director) Math/Chem/Comp 2010.

Director of the conference Visualization and Modeling in Chemistry 2010.

Member of the organizing comitee (co-director) Math/Chem/Comp 2011.

Member of the organizing comitee Hrvatski matematički kongres 2012

Teaching Activities

Undergraduate study program: Mathematics 1, Mathematics 2, Mathematics 4, Introduction to Computing, Linear Algebra 1; Linear Algebra 2, Metodics of Teaching Mathematics 1, Vector Spaces, Mathematics with Introduction to Statistics, Introduction to Statistics and Probability, Projective Geometry, Discrete mathematics, Mathematicsm, Statistics 2, Introduction to Algebra and Analitical geometry; Combinatorial and Discrete Mathematics

graduate study program: Statistcis, Introduction to Game Theory

post graduate study program: Graphs and Networks

Grants

Thorny Graph Analyzer – Analyzer of Topological Indices, Valencies and Valence Connectivities – informatinal project financed by Croatian Ministry of Science and Technology; Discrete Mathematical Models in Chemistry – scientific project fianced by Ministry of Science, Education and Sports; Application of Discrete Mathematics for the Detection of the Chemically Active Structures – bilateral Croatian-Slovenian project; Mathematical Modelling and Experimental Research in Analitical Chemistry, Enviromental Chemistry and Food Chemistry – bilateral Croatian-Slovenian project

Honors

1994/1995, 1995/1996 and 1996/1997 Awards of the director of The University

2007 International Academy of Mathematical Chemistry Award for Young Scientists (up to age of 40)

2008 Second prize on FameLab competition in Split (competition in thepopularization of science)

The youngest member of the International Academy of Mathematical Chemistry (2010)

PhD students

finished: Jelena Sedlar, Sarah Michelle Rajtmajer, Tanja Vojković

in progress: Suzana Antunović, Anton Vrdoljak,

Lectures and seminars held at (conference lectures not counted)

Zagreb (2006), Montreal (2007,2012), Ljubljana (2007), Osijek (2008)

SELECTED PUBLICATIONS

Milan Randić, Nella Lerš, Damir Vukičević, Dejan Plavšić, Subhash C. Basak and Brian D. Gute: On Canonical Labeling of Proteome Maps, Journal of Proteome Research 4 (4) (2005) 1347-1352

D. Veljan and D. Vukičević : "On Acyclic Molecular Graphs with Prescribed Numbers of Edges that Connect Vertices with Given Degrees", Journal of Mathematical Chemistry 40 (2006) 155-178

M. Randić, H. Kroto and D. Vukičević: Numerical Kekulé Strucutres and Partitioning of π -Electrons to Pentagonal and Hexagonal Rings, Journal of Chemical Information and Modleing, 47 (2007) 897-904

D. Juretić, D. Vukičević, N. Ilić, N. Antcheva and A. Tossi, Design of selective peptide antibiotics by using the sequence moment concept, J. Chem. Inf. Model, 49 (12) (2009) 2873–2882.

D. Vukicevic: Chor Coefficient – Measuring Correlation in Chemistry, MATCH Commun. Math. Comput. Chem, 65 (2011) 365-382.

D. Vukičević and M. Gašperov, Bond Additive Modelling 1. Adriatic Indices, Croatica chemica acta. 83 (2010) 243-260.