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EDUCATION	2005	Ph.D, Applied Mathematics, University of Maryland, Baltimore County (UMBC)
	1998	Diploma of Specialist (BS/MS), Applied Mathematics, Karazin Kharkiv National University, Kharkiv, Ukraine
RESEARCH EXPERIENCE	2007–	Assistant Professor Department of Biostatistics, Bioinformatics, and Biomathematics (DBBB), Georgetown University Medical Center (GUMC)
	2005–2007	Postdoctoral Fellow, DBBB, GUMC
EXTERNAL FUNDING	06/2006–05/2007	NIH Ruth L. Kirschstein Institutional Research Training Grant in Tumor Biology (T32) PI: Anna T. Riegel
DEPARTMENT AND INSTITUTION SERVICE	05/2009	Member of the Master's Thesis Committee and an official thesis reader for Mr. Scott Kelly, M.S.
	12/2008	Member of the Master's Thesis Committee and an official thesis reader for Mr. Nathan McClafferty, M.S.
	05/2008	Member of the Search Committee for a faculty position in epidemiology, DBBB, GUMC
	04/2008–	Member of the Graduate Advisory Committee, Georgetown University School of Medicine
	11/2007–	Director of Graduate Studies, DBBB, GUMC
TEACHING EXPERIENCE	2006–	Instructor, DBBB, GUMC Courses taught: <i>Probability and Sampling, Introduction to Wavelets, Introduction to Computational Software: Matlab, Case Studies in Bioinformatics</i>
	2005–2006	Instructor, UMBC Courses taught: <i>Introduction to Differential Equations</i>
	2000–2004	Graduate Instructor, UMBC Courses taught: <i>Introduction to Contemporary Mathematics, Algebra and Elementary Functions, Precalculus Mathematics, Finite Mathematics, Calculus and Analytic Geometry I, Calculus and Analytic Geometry II, Introduction to Linear Algebra</i>
	1999–2000	Graduate Teaching Assistant, UMBC Courses taught: <i>Calculus and Analytic Geometry I, Precalculus Mathematics</i>

GRADUATE STUDENT AWARDS	2001	Travel award, Graduate Student Association, for travel and participation in the 2001 Industrial Mathematics Modeling Workshop for graduate students, Raleigh, North Carolina.
	2004	Travel award, Graduate Student Association and Department of Mathematics and Statistics, UMBC, for travel and participation in the 2004 US-Japan Workshop on Dynamics and Computations, Shonan, Kanagawa, Japan.
	2004	Travel award, Graduate Student Association and Department of Mathematics and Statistics, UMBC, for travel and participation in the AIMS' 5th International Conference on Dynamical Systems and Differential Equations, California State Polytechnic University, Pomona, California.
	2004	Research Award, Graduate Student Association, for travel and participation in Summer School "Conley Index and Computational Homology", Pappenheim, Germany.

- PUBLICATIONS
1. H. Safavi, N. Correa, W. Xiong, A. Roy, T. Adali, V. R. Korostyshevskiy, C. Whisnant, and F. Seillier-Moiseiwitsch. "Independent Component Analysis of 2D Electrophoresis Gels." *Electrophoresis*, vol. 29, pp. 4017–4026, 2008.
 2. L. Nie, H. Chu, and V. R. Korostyshevskiy. "Bias reduction for nonparametric correlation coefficients under the bivariate normal copula assumption with known detection limits." *The Canadian Journal of Statistics*, vol. 36, no. 3, pp. 427–442, 2008.
 3. Statistical analysis of differential expression of proteins on two-dimensional gel electrophoresis images, with F. Seillier-Moiseiwitsch, A. Roy, Y. Zhang, Y. Hang, F. Li, F. Potra, X. Liu, and C. Whisnant. *Submitted*.
 4. Valeriy R. Korostyshevskiy and Thomas Wanner. "A Hermite spectral method for the computation of homoclinic orbits and associated functionals." *Journal of Computational and Applied Mathematics*, vol. 206, no. 2, pp. 986–1006, 2007.
 5. A Hermite Spectral Approach to Homoclinic Solutions of Ordinary Differential Equations, *Ph.D. dissertation*, University of Maryland, Baltimore County, Baltimore, 2005.
 6. An Inverse Problem in X-Ray Radiography, with J. Bardsley, L.C. Parra, S. LaVoie, T.J. Leiterman, J. Reese, B. Song. *Technical Report, Center for Research in Scientific Computation, CRSC-TR01-27*, NCSU, 2001.
 7. Modeling of Excitation of Planar Wave-Guide with Rectangular Discontinuities by Modulated Relativistic Electron Beam, with G.I. Zaginailov and V. D. Dushkin. *Proceedings of 7th International Conference on Mathematical Methods in Electromagnetic Theory*, (MMET'98), June 1998, Kharkov, Ukraine.
 8. A Problem of Diffraction of Electromagnetic Waves by Rectangular Irregularities in a Plane Waveguide, *BS/MS thesis*, Kharkov State University, 1998.

- PRESENTATIONS
1. *Analysis of 2D Gels: A Global Approach*, CoSBI, Trento, Italy, March 10, 2008.
 2. *Analysis of 2D Gels: A Global Approach*, Cancer Research Data Meeting, Lombardi Cancer Center, Georgetown University, Washington, D.C., July 5, 2007.
 3. *Analysis of 2D Gels: A Global Approach*, Interface 2007 Meeting, Philadelphia, PA, May 24–25.
 4. *Improving Alignment of Families of 2D Gels: Spatial Correction*, Lombardi Cancer Center Research Fair, Georgetown University, February 2007.
 5. *On a Computational Aspect of 2D PAGE Analysis: Alignment*, Lombardi Cancer Center Research Fair, Georgetown University, February 2006.
 6. *A Hermite Spectral Approach to Homoclinic Solutions of Ordinary Differential Equations*, Ph.D. dissertation defense, Department of Mathematics and Statistics, UMBC, April 18, 2005.
 7. *Existence Result for the Stationary Problem of the Cahn-Hilliard Equation: Rigorous Numerics*, AIMS' 5th International Conference on Dynamical Systems and Differential Equations, California State Polytechnic University, Pomona, California, June 2004.
 8. *Existence Result for the Stationary Problem of the Cahn-Hilliard Equation: Rigorous Numerics*, Department of Mathematics and Statistics, UMBC, April 2004.
 9. *Computer-Assisted Existence Proofs of Heteroclinic and Homoclinic Solutions of ODEs*, US-Japan Workshop on Dynamics and Computations, Shonan International Center, Shonan, Kanagawa, Japan, March 2004.
 10. *On the Existence of Heteroclinic Orbits*, Department of Mathematics and Statistics, UMBC, March 2003.
 11. *On a Topological Method for Rigorous Numerical Methods in Nonlinear Equations*, Department of Mathematics and Statistics, UMBC, March 2002.
 12. *Modeling Convective Motions in the Atmosphere*, Department of Physics, UMBC, Atmospheric Physics I class, December 2001.
 13. *An Inverse Problem in X-Ray Radiography* (co-presenter with Johnathan Bardsley), 2001 Industrial Mathematics Modeling Workshop for Graduate Students, Raleigh, North Carolina, July-August 2001.
 14. *Modeling Excitation of Planar Wave-Guide with Rectangular Discontinuities by Modulated Relativistic Electron Beam*, 7th International Conference on Mathematical Methods in Electromagnetic Theory, (MMET'98), Kharkov, Ukraine, June 1998.
- LEADERSHIP
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| 2002 and 2003 | Graduate student representative, the Faculty Promotion and Tenure Committee, Department of Mathematics and Statistics, UMBC |
| 2002–2004 | Senator, Graduate Student Association Senate, UMBC |