

Biographical sketch of Lyudmila Sakhanenko¹

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Education

May 2002 PhD, Department of Mathematics and Statistics,
University of New Mexico, Albuquerque, NM

- GPA: 4.0/4.0: diploma with distinction
- Major: Statistics
- Concentration: Probability Theory and Statistics
- Dissertation: “Asymptotic theory of symmetry tests for a multivariate distribution”
- Advisor: Vladimir Koltchinskii, PhD

June 1998 BS, Department of Mechanics and Mathematics, Novosibirsk
State University, Novosibirsk, Russia

- GPA: 5.0/5.0, diploma with honors; top 0.5% of 250 students
- Major: Mathematics
- Concentration: Probability Theory and Mathematical Statistics

Positions Held

2010–present Associate Professor, Department of Statistics and Probability, MSU

2002–2010 Assistant Professor, Department of Statistics and Probability, MSU

1998–2002 Teaching Assistant, Department of Mathematics and Statistics, UNM

Technical Skills

General skills in mathematics, probability theory, statistics and computing. Specific expertise in:

- Mathematics: functional analysis; stochastic, empirical, U -, Gaussian processes; tensor algebra.
- Statistics: bootstrap; testing; curve estimation; U -statistics; learning theory; functional data analysis.
- Programming languages: Matlab, R and C.
- Statistical softwares: Minitab, Excel.
- Text formatting and office computing: LaTeX, Word and Excel.
- Foreign languages: Russian (native speaker).

Research Interests:

Theory of empirical processes with applications to nonparametric statistics, such as

- bootstrap tests (with financial applications);
- density estimation (with possible biological applications);
- integral curve estimation (with DT-MRI and HARDI applications);
- statistical learning theory;
- functional data analysis.

¹Updated August 23, 2018

Honors and Awards

- 2016-19 National Science Foundation Grant (NSF)
- 2012-15 National Science Foundation Grant (NSF)
- 2010 The College of Natural Science Teacher-Scholar Award (MSU)
- 2008-11 National Science Foundation Grant (NSF)
- 2004-5 Intramural Research Grant (MSU)
- 2002 Research, Project, and Travel Grant (UNM)
- 2001 Research, Project, and Travel Grant (UNM)
- 2000 Outstanding Teaching Assistant Award (UNM)
- 1999 Boeing Computer Services Grant 3-48181
- 1998 The best presentation Award on the 36th International Scientific Student Conference at Novosibirsk

Submitted for Publication in Refereed Journal

1. Sakhanenko, L. (2018) Testing a multivariate distribution for generalized skew-ellipticity. Revised, 18 pages
2. Zhang, Y-C., Sakhanenko, L. (2018) The Naive Bayes Classifier For Functional Data. Revised, 22 pages.
3. Cao, G., Sakhanenko, L., Yang, L., Carmichael, O. (2017) Spline estimation of integral curves from noisy vector field data. Revised, 40 pages.

Published / In Press in Refereed Journals

4. Balakrishna, N., Koul, H. L., Ossiander, M., Sakhanenko, L. (2018) Fitting a p-th order parametric generalized linear autoregressive multiplicative error model. Accepted by *Sankhya B*.
5. Sakhanenko, L., DeLaura, M., Zhu, D. (2018) Commentary: Estimation of Integral Curves from High Angular Resolution Diffusion Imaging (HARDI) Data. To appear in *Neurological Disorders and Therapeutics*. DOI: 10.15761/NDT.1000126
6. Sakhanenko, L. and DeLaura, M. (2017) A comparison study of statistical tractography methodologies for Diffusion Tensor Imaging. *International Journal of Statistics: Advances in Theory and Applications*, 1(1), 93-110.
7. Sakhanenko, L. (2017) In search of an optimal kernel for a bias correction method for density estimators. *Statistics & Probability Letters* 122, 42–50.
8. Pilipenko, A. and Sakhanenko, L. (2016) On a limit behavior of one-dimensional random walk with non-integrable impurity. *Theory of Stochastic Processes* Vol. 20 (36), no. 2, 97 - 104
9. Carmichael, O. and Sakhanenko, L. (2016) Integral curves from noisy diffusion MRI data with closed-form uncertainty estimates. *Statistical Inference for Stochastic Processes*, vol. 19(3), pp. 289–319.
10. Geng, P. and Sakhanenko, L. (2015) Parameter estimation for the logistic regression model under case-control study. *Statistics & Probability Letters* 109, 168–177.
11. Sakhanenko, L. (2015) Rate Acceleration for Estimators of Integral Curves from Diffusion Tensor Imaging (DTI) Data. *Statistics & Probability Letters* 107, 286–295.
12. Sakhanenko, L. (2015) Using the Tractometer to assess performance of a new statistical tractography technique. *Journal of Nature and Science*, 1(7): e130, 1–12. <http://www.jnsoci.org/content/130>
13. Carmichael, O. and Sakhanenko, L. (2015) Estimation of integral curves from high angular resolution diffusion imaging (HARDI) data. *Linear Algebra and its Applications* 473, 377–403. Special

issue on Statistics.

14. Sakhanenko, L. (2015) Asymptotics of suprema of weighted Gaussian fields with applications to kernel density estimators. *Theory of Probab. Appl.* v. 59, No 3, 415–451.

15. Sakhanenko, L. (2013) How to choose the number of gradient directions for estimation problems from noisy diffusion tensor data. *Festschrift for Hira Koul* Lahiri, S., Schick, A., SenGupta, A., Sriram, T.N. (Eds), Springer Contemporary Developments in Statistical Theory, pp. 305–311.

16. Sakhanenko, L. (2012) Numerical issues in estimation of integral curves from noisy diffusion tensor data. *Statistics & Probability Letters* 82, 1136–1144.

17. Sakhanenko, L. (2011) Global rate optimality in a model for Diffusion Tensor Imaging. *Theory of Probab. Appl.*, 55, 1, 77–90.

18. Sakhanenko, L. (2010) Lower bounds for accuracy of estimation in Diffusion Tensor Imaging. *Theory of Probab. Appl.*, 54, 1, 168–177.

19. Sakhanenko, L. (2009) Testing group symmetry of a multivariate distribution. *Symmetry*, 1(2), 180–200; doi:10.3390/sym1020180

20. Koltchinskii, V., Sakhanenko, L. (2009) Asymptotics of Statistical Estimators of Integral Curves. *High Dimensional Probability V: The Luminy Volume* Houdré, Koltchinskii, Mason, and Peligrad (Eds), IMS Collections, Beachwood, Ohio, pp. 326–337.

21. Sakhanenko, L. (2008) Testing for Ellipsoidal Symmetry: A comparison study. *Computational Statistics & Data Analysis*, 53, 565–581.

22. Koltchinskii, V., Sakhanenko, L., Cai, S. (2007) Integral Curves of Noisy Vector Fields and Statistical Problems in Diffusion Tensor Imaging: Nonparametric Kernel Estimation and Hypotheses Testing. *Annals of Statistics*, Vol. 35, No. 4, 1576–1607.

23. Koul, H., Sakhanenko, L. (2005) Goodness-of-fit testing in regression: A finite sample comparison of bootstrap methodology and Khmaladze transformation. *Statistics & Probability Letters* 74, 290–302.

24. Giné, E., Koltchinskii, V., Sakhanenko L. (2004) Kernel Density Estimators: Convergence in distribution for weighted sup-norms. *Probability Theory and Related Fields*, vol. 130, No. 2, 167–198.

25. Giné, E., Koltchinskii, V., Sakhanenko, L. (2003) Convergence in distribution of Self-Normalized Sup-Norms of Kernel Density Estimators. *High Dimensional Probability III*. Hoffmann-Jorgensen, Marcus and Wellner (Eds), Birkhauser, Boston, pp. 241–253.

26. Borisov, I., Sakhanenko, L. (2001) The central limit theorem for generalized von Mises statistics with degenerate kernels. (Russian) *Mat. Tr.* 4, no. 1, 3–17.

27. Koltchinskii, V., Sakhanenko, L. (2000) Testing for ellipsoidal symmetry of a multivariate distribution. *High Dimensional Probability II*. E. Giné, D. Mason and J. Wellner (Eds) Progress in probability, Birkhäuser, Boston, pp. 493–510.

28. Borisov I., Sakhanenko L. (2000) The Central Limit Theorem for generalized canonical von Mises statistics. *Siberian Advances in Mathematics* vol. 10, No. 4, 1–14.

Papers in progress.

1. Sakhanenko, L., DeLaura, M. Fully nonparametric model for tensor field based on HARDI.

2. Sakhanenko, L. Statistical estimation of curves based on angiogram data.

3. Sakhanenko, L., Goo, J. Time-dependent HARDI.

4. Sakhanenko, L., Baneerjee, C. Lower bounds for integral curve estimators based on HARDI.

Presentations on seminars and conferences

1. Adaptive Classification on Partial Linear Models. JSM2018, Vancouver, Canada, July-August 2018. (Contributed poster, presenter: Chittrak Baneerjee)

2. Statistical Estimation of Fibers from HARDI and DTI data. CMU Applied Mathematics Seminar, Central Michigan University, April 2018. (Contributed talk, presenter: Michael DeLaura)

3. Estimation of integral curves from HARDI data. Bernoulli World Congress in Probability and Statistics. University of Toronto, Fields Institute, Toronto, Canada. July 2016.

4. Statistical estimation of integral curves: Fiber tracking inference. University of North Carolina, Gillings School of Global Public Health (via WebEx), September 2015.

5. Statistical estimation of integral curves from some imaging techniques. Applied mathematics Seminar, Mathematics, MSU. February 2014.

6. Estimation of integral curves based on DTI data. Statistics in Applications Forum as part of the International Year of Statistics 2013. MSU, October 2013.

7. Spline Estimation of Integral Curves from Noisy Vector Field Data. JSM 2013. Montreal, Canada. August 2013.

8. Estimation of integral curves from noisy diffusion tensor data. 4th International Conference on Porous Media & Annual Meeting of the Interpore. Purdue University, West Lafayette. May 2012.

9. Integral Curve Estimation: Methodology and Applications to Diffusion Tensor Imaging. Neuroimaging seminar, Radiology, MSU. April 2012.

10. Estimation of integral curves based on DTI data. JSM2011, Miami Beach. August 2011.

11. Estimation of integral curves with application to Diffusion Tensor Imaging, Seeing the future with imaging science, National Academies Keck Futures Initiative Conference, Irvine, November 2010.

12. Integral Curve Estimation in Diffusion Tensor Imaging. JSM2010, Vancouver, Canada. August 2010.

13. Integral Curve Estimation in Diffusion Tensor Imaging. City College of New York. Mathematics department colloquium. February 2010.

14. Integral Curve Estimation: Methodology and Applications to Diffusion Tensor Imaging. Université du Maine, LeMans, France, Asymptotical Statistics of Stochastic Processes VII workshop, March 2009.

15. Integral Curve Estimation: Methodology and Applications to Diffusion Tensor Imaging. Michigan State University, Statistics and Probability colloquium. November 2008.

16-18. Estimation of integral curves in Diffusion Tensor Imaging. Bucknell University, Texas Pan-american University, Marshall University. Colloquium. February-March 2006.

19. Integral Curves of Noisy Vector Fields and Statistical Problems in Diffusion Tensor Imaging: Nonparametric Kernel Estimation and Hypotheses Testing. Michigan State University, Statistics and Probability colloquium. September 2005.

20. Integral Curves of Noisy Vector Fields and Statistical Problems in Diffusion Tensor Imaging. 4th International Conference on High Dimensional Probability, St. John's College, New Mexico, June 2005.

21. Weighted sup-norms for density estimates. Hawaii International conference on Statistics. June 2004.
22. Convergence in distribution of weighted sup-norms of kernel density estimators. Michigan State University, Statistics and Probability colloquium. September 2003.
23. Michigan State University, Graduate Students Research Orientation. Density estimates. September 2003.
24. Bootstrap tests for ellipsoidal symmetry of a multidimensional distribution with applications to finance theory. Hawaii International Conference on Statistics, Honolulu, June 2003.
25. Testing for symmetry. Department of Statistics and Probability Colloquium, MSU, February 2002.
26. Testing for ellipsoidal symmetry (with applications to finance theory). Mathematics and Statistics Department Non-parametric Statistics Seminar Series, UNM, February 2001.
27. Testing for ellipsoidal symmetry of a multivariate distribution. 5th World Congress of the Bernoulli Society for Mathematical Statistics and Probability and 63rd Annual Meeting of the IMS, Guanajuato, Mexico, May 2000.
28. Testing for ellipsoidal symmetry of a multivariate distribution. 2nd International Conference on High Dimensional Probability, University of Washington, August 1999.
29. The limit theorems for von Mises statistics with asymmetrical kernels. The 36th International Scientific Student Conference, Novosibirsk, Russia, April 1998.

Grant Activity

- 2018, AGEP Supplement, NSF, sole PI, funded
- 2017, AGEP Supplement, NSF, sole PI, funded
- 2016-2019, Nonparametric estimation of integral curves and surfaces, NSF, PI, co-PI is Dr. Zhu (Radiology, MSU), funded
- 2015-2018, Nonparametric estimation of integral curves and surfaces, NSF, sole PI, not funded
- 2015-2017, Nonparametric estimation of integral curves, NSA Mathematical Sciences Program, sole PI, not funded
- 2014-2016, AGEP Supplement, NSF, sole PI, funded
- 2012-2015, Collaborative Research: Multidimensional Curve Estimation for Diffusion MRI, NSF, PI, co-PI is Dr. Carmichael (Neurology, UC Davis), funded
- 2011-13, Quantifying Uncertainty in Imaging-Based Morphometric Contours: Theory and Practice, The National Academies Keck Futures Initiative, co-PI, not funded
- 2011-14, Multidimensional Curve Estimation with Applications to Diffusion Tensor Imaging, NSF, sole PI, not funded
- 2008-11, Integral Curve Estimation: New Methodology and Applications to Tensor Diffusion Imaging, NSF, sole PI, funded
- 2006, Integral Curve Estimation, AWM, sole PI, not funded
- 2004-05, Density estimation in weighted norms with applications to ecology, MSU IGPR, sole PI, funded

- 2004, Random Measures on Locally Compact Spaces, NSF, co-PI, PI is Dr. Skorokhod (Statistics, MSU), not funded
- 2003, Random Measures on Locally Compact Spaces, NSF, co-PI, PI is Dr. Skorokhod (Statistics, MSU), not funded

Advising

Since Fall 2003 I have been advising master students, also I have been the academic advisor of several PhD students. Officially I was Master students advisor during Spring 2008. I was advising 1 dual degree - master student during Fall 2007 - Spring 2008. During Fall 2008 I led Sunday study group that helped to prepare for Actuarial Exam P. During 2010-12 I unofficially advised PhD student Guanqun Cao while her advisor Dr. Yang was on sabbatical. She was my RA in 2011 supported by my NSF grant.

I was/am a member of PhD committees of students:

- Zhe Li, Civil Engineering: Statistical learning theory (neural networks) applied to databases on damage conditions of bridges. Graduated Dec. 2008.
- Jerry Scripps, Computer Science & Engineering: Statistical learning theory (neural networks) applied to modeling of social networks. Graduated June 2009.
- Rong Liu, Statistics: Semiparametric and nonparametric modeling of financial time series. Graduated July 2009.
- Shujie Ma, Statistics: Theory of spline regression with applications to time series, longitudinal, categorical data and data with jumps. Graduated July 2011.
- Guanqun Cao, Statistics: Statistical Inference for Functional and Longitudinal Data. Graduated July 2012.
- Lening Kang, Statistics: Nash Equilibria in the Continuous-Time Principal-Agent Problem with Multiple Principals. Graduated July 2013.
- Xiaoqing Zhu, Statistics: Goodness-of-fit testing of error distribution in nonparametric ARCH(1) models and linear measurement error models. Graduated May 2015.
- Sneha Jadhav, Statistics: Multivariate Generalized Functional Linear Models with Applications to Genomics. Graduated July 2017.
- Pei Geng, Statistics: Model Checking Problems I Measurement Error Models with Validation Data. Graduated July 2017.
- Jingyi Zhang, Statistics: Functional Varying Index Coefficient Model for Dynamic Gene-environment Interactions. Graduated July 2017.
- Daewoo Pak, Statistics: Analysis of complex life-history data and variable selection in survival analysis under interval censoring. Graduated August 2018.
- Jeonghwa Lee, Statistics - current
- Pratim Guhaniyogi, Statistics - current

I was/am the PhD thesis committee chair of students:

- Yi-Chen Zhang, Statistics: Functional Data Analysis with Application to traffic flow data; Graduated May 2018. Employed by Aptiv.

- Michael DeLaura - current;
- Juna Goo - current;
- Chitrak Banerjee - current.

Currently I am formally advising several master and doctoral students in statistics. I am the research supervisor of NSF sponsored doctoral student Michael Delaura.

Teaching Activity

At MSU I have taught lower level undergraduate courses (STT 200, STT 231, MTH 132) and upper level undergraduate courses (STT 351, STT315, STT 442). I also have taught graduate courses at the master level (STT 861, STT 862) and the doctoral level (STT 997, STT 872, STT 961, STT 951, STT 873, STT953). Some of the undergraduate classes are large lecture classes (STT 200, STT315), where I have supervised and trained teaching assistants in charge of corresponding recitations. See the details in the summary below.

In Fall of 2010 I received The College of Natural Science Teacher-Scholar Award. In Fall of 2014 I was nominated for The College of Natural Science Teaching Prize.

Instructor evaluation scores are the averages of all SIRS scores including student interest in the course. Course Evaluation cumulative scores are the averages of department's SIRS scores. The standard deviations are in brackets. Note 1=superior, 5=inferior.

Semester	Course	Title	Enrol.	Instr. Eval.	Course Eval.
Spring-18	STT953	Asymptotic Theory	10	1.23(0.48)	(0.)
	STT872	Statistical Inference I	7	1.53(0.63)	(0.)
Fall-17	STT997	Nonparametric Statistics	16	1.30(0.53)	(0.)
Spring-17	STT951	Statistical Inference II	8	1.53(0.68)	(0.)
Fall-16	STT861	Theory of Probability and Statistics I	23	1.55(0.79)	(0.)
	STT442	Theory of Probability and Statistics II	51	1.91(1.01)	(0.)
Spring-16	STT442	Theory of Probability and Statistics II	39	2.38(.95)	(0.)
Fall-15	STT961	Weak Convergence and Asymptotic Theory	13		(0.)
	STT873	Statistical Learning and Data Mining	13		(0.)
Summer-15		maternity leave			
Spring-15	STT872	Statistical Inference I	10	1.47	1.66(0.25)
	STT951	Statistical Inference II	10	1.13	1.35(0.43)
Fall-14	STT997	Nonparametric statistics	10	NA	1.35(0.43)
Spring-14	STT872	Statistical Inference I	11	1.25	1.66(0.25)
	STT442	Theory of Probability and Statistics II	34	1.69	2.08(0.22)
Fall-13	STT961	Weak Convergence and Asymptotic Theory	11	1.72	1.35(0.43)
Spring-13	STT315	Intro to Probability & Statistics for Business	302	2.28	2.43(0.68)
	STT315	Intro to Probability & Statistics for Business	325	2.21	2.43(0.68)
Fall-12		maternity leave			
Spring-12	STT315	Intro to Probability & Statistics for Business	300	2.16	2.43(0.68)
	STT315	Intro to Probability & Statistics for Business	300	2.32	2.43(0.68)
Spring-11	STT315	Intro to Probability & Statistics for Business	350	2.668	2.43(0.68)
	STT315	Intro to Probability & Statistics for Business	350	2.824	2.43(0.68)
Spring-10		maternity leave			
Fall-09	STT200	Statistical Methods	120	2.23	2.43(0.68)
	STT351	Probability and Statistics for Engineering	40	2.14	2.70(0.8)
Spring-09	STT200	Statistical Methods	120	2.433	2.43(0.68)
	STT351	Probability and Statistics for Engineering	40	2.182	2.70(0.8)
Fall-08	STT200	Statistical Methods	120	2.787	2.43(0.68)
Spring-08	STT351	Probability and Statistics for Engineering	40	2.032	2.70(0.8)
	STT442	Theory of Probability and Statistics II	20	1.7	2.14(0.78)
Fall-07		maternity leave			
Spring-07	STT862	Theory of Probability and Statistics II	23	1.5	1.66(0.25)
	STT442	Theory of Probability and Statistics II	25	2.014	2.08(0.22)
Fall-06	STT861	Theory of Probability and Statistics I	27	1.936	1.93(0.34)
Summer-06	STT997	Advanced Topics in Statistics	5	1.49	1.35(0.43)
Spring-06	STT862	Theory of Probability and Statistics II	19	1.328	1.66(0.25)
Fall-05	STT861	Theory of Probability and Statistics I	16	1.592	1.93(0.34)
	STT231	Statistics for Scientists	68	2.578	2.53(0.33)
Spring-05	STT231	Statistics for Scientists	142	2.55	2.53(0.33)
Fall-04	STT231	Statistics for Scientists	142	2.338	2.53(0.33)
Summer-04	STT351	Probability and Statistics for Engineering	18	1.914	2.47(0.40)
Spring-04	STT862	Theory of Probability and Statistics II	17	1.734	1.66(0.25)
	STT351	Probability and Statistics for Engineering	41	2.368	2.47(0.40)
Fall-03	STT861	Theory of Probability and Statistics I	24	2.398	1.93(0.34)
Spring-03	STT351	Probability and Statistics for Engineering	39	2.028	2.47(0.40)
	MTH132	Calculus I	26	1.58	2.07
Fall-02	STT351	Probability and Statistics for Engineering	38	2.018	2.47(0.40)

Committee Work/Service to Michigan State University and Community

- 2018-19 Statistics Committee of the Whole
Statistics Prelim Exams (Chair)
Colloquium (Chair)
STT Search committee
PhD committees of five students
- 2017-18 Statistics Committee of the Whole
Major Curriculum Committee
Statistics Prelim Exams (Chair)
2 CMSE/STT Search committees
Graduate Support
Personnel Committee
PhD committees of nine students
- 2016-17 Statistics Committee of the Whole (President)
Major Curriculum Committee
Prelim Exams (Statistics)
2 CMSE/STT Search committees
Graduate Support
Personnel Committee
PhD committees of six students
- 2015-16 Statistics Committee of the Whole
Advisory Committee
Teaching specialist Search Committee
Personnel Committee
PhD committees of six students
- 2014-15 Statistics Committee of the Whole (Secretary)
Major Curriculum Committee
Prelim Exams (Chair) (STT871-872, STT867-872)
Graduate Support
CMSE Search committee
Personnel Committee
PhD committees of four students
- 2013-14 Statistics Committee of the Whole (Secretary)
Major Curriculum Committee (Chair)
Prelim Exams (STT871-872, STT867-872)
Personnel Committee
PhD committees of four students
- 2012-13 Statistics Committee of the Whole
External Review Committee (Spring 2012)
Service Courses Committee
Master's Exams Committee
Prelim Exams (STT871-872)
Personnel Committee
Served on 2013 NSF Statistics Panel
PhD committees of four students
- 2011-12 Statistics Faculty Advisory Committee
Colloquium committee (Chair)
External Review Committee
PhD committees of four students
- 2010-11 Statistics Faculty Advisory Committee
Major Curriculum Committee
External Review Committee
Statistics Faculty Search Committee

- 2009-10 Statistics Faculty Advisory Committee
Major Curriculum Committee
PhD committees of five students
- 2008-09 Statistics Faculty Advisory Committee
College of Natural Sciences Faculty Advisory Committee
Master's Exams Committee at STT (Chair)
PhD committees of seven students
Computer Committee at STT
Served on 2009 NSF Statistics Panel
- 2007-08 Statistics Faculty Advisory Committee
College of Natural Sciences Faculty Advisory Committee
Master's Exams Committee at STT (Chair)
Computer Committee at STT
Assistant Professor Search in Quantitative Literacy at STT
Master Students Advisor at STT
PhD committees of five students
- 2006-07 Statistics Faculty Advisory Committee (Chair)
College of Natural Sciences Faculty Advisory Committee
Dean's Student Advisory Council (Faculty Representative)
Master's Exams Committee at STT
PhD committees of three students
- 2005-06 Statistics Faculty Advisory Committee
CNS Faculty Advisory Committee
Master's Exams Committee at STT
PhD committees of two students
- 2004-05 Statistics Faculty Advisory Committee
Probability seminar on Gaussian processes co-organizer
Master's Exams Committee at STT
PhD committee of a student
- 2003-04 Statistics Faculty Advisory Committee (Secretary)
Major Curriculum Committee
Master's Exams Committee at STT
Session Chair on 2003 Hawaii International Conference on Statistics and Related Fields
- 2002-03 Statistics Faculty Advisory Committee

Referee work for

- Communications in Statistics Theory and Methods, • Annals of Statistics,
- International Journal of Biomedical Imaging, • Statistics and Probability Letters,
- Journal of Statistical Planning and Inference, • Journal of Multivariate Analysis,
- Journal of the American Statistical Association, • Bernoulli, • TEST

Member of editorial board of

- Statistics and Probability Letters (2013-current);
- the IMS collection series (2008-current);
- the IMS Lecture Notes and Monograph series (2008-2010).