

Curriculum Vita

Professor Mohammad Salehi

First name: Mohammad

Family name: Salehi

**Mathematics, Statistics and Physics Department, College of Art and Science,
Qatar University, PO Box 2713, Doha, Qatar.**

Email: Salehi@qu.edu.qa

Date of Birth: Jan. 1964

Married, Three Children.

Employment:

Professor (September 2009-). Mathematics, Statistics and Physics Department, Qatar University, Doha, Qatar.

Professor (March 2007- September 2011). Mathematical Sciences School, Isfahan University of Technology, Isfahan, Iran.

Associate Research Professor (January 2008- August 2008) Statistics Department, National Cheng Kung University, Tainan, Taiwan.

Associate Research Professor (Summer 2005) Mathematics and Statistics Department, Carleton University, Ottawa, Canada.

Associate Professor (Feb. 2003- March 2007), Mathematical Sciences School, Isfahan University of Technology, Isfahan, Iran.

Assistant Professor (May 1998_Feb 2003), Mathematical Sciences School, Isfahan University of Technology, Isfahan, Iran.

Tutor 4 (January 1995- Feb. 1998), Statistics Department, Auckland University, New Zealand.

Lecturer (Sep. 1990-July 1994) Full-time Mathematics Department, Arak University, Arak, Iran.

Assistant lecturer (1987-1989), Part-time Science Department, Shiraz Institution of Technology, Shiraz, Iran.

Academic Degrees

Ph.D. in Statistics (1994-1998), Department of Statistics, Auckland University, Auckland, New Zealand. Thesis title ‘adaptive cluster sampling designs’.

Msc. in Statistics (1988-1990), Department of Mathematics and Statistics, University of Shiraz. Thesis title “Capture-Recapture models for the estimation of the size of a closed population”. (First ranked)

B.Sc. in Statistics (1983-1987), Department of Mathematics and Statistics, University of Shiraz. (First ranked)

A two-year degree in Sport Sciences (1982-1983), Chamran Teacher Training Institute, Tehran, Iran.

Administration:

1991-1994: Director of Computer Center (IT), Arak University.

2001- 2006: Associate Dean of research, School of Mathematical Sciences, Isfahan University of Technology.

2008- 2009: Coordinator of the Center of Excellence of Algebra and its application, Isfahan University of Technology.

2006-2009: Director of Statistical Research Center, Isfahan University of Technology.

2011-2014 : Coordinator of the Statistical Consulting Unit, Qatar University.

Completed External Grants Projects:

- 1) **Project Title “Optimal Switching and economic cost control”(2013-2017)**, Qatar Foundation, NPRP 5 - 088 - 1 – 021; Role : Lead Principle Investigator, **331,509.60USD**
- 2) **Project Title “Assessing the Effectiveness of a Pharmacist-delivered Smoking Cessation Program in the State of Qatar” (2012-2016)**. Qatar Foundation, NPRP 4 - 716 - 3 - 203; Role: Co-PI, **437,698.00USD**
- 3) Project Title “Adaptive survey designs for environmental monitoring in Qatar” (2012-2015) , Qatar Foundation, NPRP 4 - 001 - 1 – 001; Role : Co-Lead Principle Investigator. **634,313.00USD.**
- 4) Project Title “Time Series Analysis for Air Pollution and Meteorological Covariates in Doha” 2013, Qatar Foundation
Role: Principle Investigator. **8000 USD.**
- 5) Project title “Accuracy of Parental Hepatitis A Vaccination of Children.”
Research Triangular Institution (USA), 2005, Role: Consultant.
- 6) Project Title “Statistical Analysis and Modeling cool rolling defective” Steel Mobarekeh Complex, 2004, It has been selected one of three innovated research done in the steel Mobarekeh complex. **(460,000,000 Rials)**, Role: PI
- 7) Project Title Case-Control study and Inverse sampling, Higher Education Ministry, Isfahan University of Technology and Sharekord university
2003, Role: LPI

- 8) Project Title “Survey and Modeling of Socio-Economic aspect of the Mobile phone In Tehran” Research Center of Telecommunication, 2000 Role: PI
- 9) Project Title “Improvement in the design of fish resource surveys” BENEFIT Institution, South Africa 2000, Role: Consultant
- 10) Project Title “Survey of Opinion poll in Foolad Mobarekeh” Foolad Mobarekeh Complex , 2000, Role: PI
- 11) Project Title “Statistical Analysis of Customers Satisfaction data” Foolad Mobarekeh Complex, 1999, Role: PI

Awards and Honors:

Georg Forster Research Fellowship of ALEXANDER VON HUMBOLDT FOUNDATION (AvH), Germany, 2008.

Two research grant from Statistical research Center of Iran, Tehran Iran. 2007-2008.
Recipient of award of distinguished research published paper, Statistical center of Iran, 2003.

Selected as a distinguished researcher, Isfahan University of Technology (I.U.T.), 2002

Recipient of research award from Isfahan University of Technology (I.U.T.), 2001

The best graduated student award of the Department of Mathematics and Statistics, Shiraz University (1987).

The best Talk award in Math. and Stat. At the Iranian Graduate Student Congress (1990).

An international conference Grant, Statistics Department, University of Auckland (1995).

A PhD. Scholarship outside Iran from the Higher Education Ministry of Iran.

Editorial Collaboration:

Associate Editor of “Journal of The Iranian Statistical Society” , Iran, 2020-

Coordinate Editor of “*Journal of Probability and Statistical Science (JPSS)*,” Taiwan, 2004-

Advisory board of “*Türkiye Klinikleri Journal of Biostatistics*”, Turkey 2012- 2015
<http://biyoistatistik.turkiyeklinikleri.com/content.php?id=NDU4>

Associate Editor of *Journal of Probability and Statistical Science (JPSS)* . 2002-2004.

<http://life.stat.fju.edu.tw/jpss>

Editorial Board: *Research Journal of Science* Isfahan University, 2005-2010

Reviewing

Reviewer for AMS, Mathematical Reviews, American Mathematical Society, 2014-

Publications

Book:

Seber GAF and Salehi M. (2013). **Adaptive Sampling Designs: Inference for Sparse and Clustered Populations**, Berlin: Springer-Verlag.

Book Translation:

Salehi and Jamalzadeh (2009) Survey Methodology (Wiley Series in Survey Methodology) by Robert M. Groves, Floyd J. Fowler, Mick P. Couper, James M. Lepkowski, Eleanor Singer, Roger Tourangeau (2004).

Published Research Papers Journals, Indexed in Thomson Reuters ISI:

1. Al-Fakih B., Morei A., Salehi M. (2020) Students impression about using mobile phones in classrooms, International Journal of Emerging Technologies in Learning, In Press
2. R. Barkhudaryan, D.A. Gomes, H. Shahgholian, and **M. Salehi**, (2020) System of variational inequalities with interconnected obstacles, Journal of Applicable Analysis, In Press. <https://www.tandfonline.com/doi/full/10.1080/00036811.2020.1757076>
3. Arakelyan, R. Barkhudaryan, H. Shahgholian, Salehi M. (2019) Numerical treatment to a non-local parabolic free boundary problem arising in financial bubbles, Bulletin of the Iranian Mathematical Society, 73-45:59. [10.1007/s41980-018-0119-5](https://doi.org/10.1007/s41980-018-0119-5).
4. Erjaee GH., **Salehi M**, Farhadi A,(2018) . A New Version of Black-Scholes Equation Presented by Time-Fractional Derivative" for possible publication. *Iranian Journal of Science and Technology, Transactions A: Science*. 42: 2159-2166
5. B. Panahbehagh R. Bruggemann A. Parvardeh, **M. Salehi** M. R. Sabzalian (2018) An unbalanced ranked set sampling to get more than one sample from each set, Journal of Survey Statistics and Methodology, <https://doi.org/10.1093/jssam/smx026>.
6. Abi A. , Moradi M., Salehi M., Brown J, A Al-Khayat J, Moltchanova E. (2017),: Application of balanced acceptance sampling to an intertidal survey, Journal of Landscape Ecology Vol: 10 / No. 1. [10.1515/jlecol-2017-0012](https://doi.org/10.1515/jlecol-2017-0012)
7. **Salehi MM (2017)**. Erratum: Two-stage complete allocation sampling, Environmetrics. Volume28, Issue7. <https://doi.org/10.1002/env.2461>.

8. **Salehi MM**, Seber GAF. (2017) Two-stage complete allocation sampling. *Environmetrics*. 2017;28:e2441.<https://doi.org/10.1002/env.244> .
9. Farhadi, A. and Erjaee1 G.H. and **Salehi M.** (2017) Derivation of a New Merton's Optimal Problem Presented by Fractional Stochastic Stock Price and it's Applications. *Computers and Mathematics with Applications* 73 (2017) 2066–2075. DOI: <http://doi.org/10.1016/j.camwa.2017.02.031>.
10. R. Barkhudaryan, M. Juráš & **Salehi M.** (2016) Iterative scheme for an elliptic non-local free boundary problem, *Applicable Analysis*. Volume 95:12, 2794–2806.
11. El Hajj M, Kheir N, Al Mulla A, Al-Badriyeh D, Al Kaddour A, Ziyad M, **Salehi M**, Fanous N (2015). Assessing the effectiveness of a pharmacist-delivered smoking cessation program in the State of Qatar: study protocol for a randomized controlled, *Trials*, 16:65.
12. **Salehi M.** Moradi,M., AlKhayat, J. , Brown J. Yousef A. (2015). Inverse adaptive cluster sampling with unequal selection probabilities: case studies on crab holes and arsenic pollution, *Australian and New Zealand Journal of Statistics*. , 57: 189–201. doi: 10.1111/anzs.12118 .
13. Mohammadi M., **Salehi M.**, and JNK Rao (2014), Bootstrap Confidence Intervals for Adaptive Cluster Sampling Design Based on Horvitz-Thompson type Estimators, *Environmental and Ecological Statistics*, 20: pp 351-371.
14. **Salehi M.**, Panhbehagh B., Parvardeh A. Smith D. R. and Lei Y. (2013) Regression-type estimators for adaptive two-stage sequential sampling, *Environmental and Ecological Statistics*, 20:571–590.
15. Parvardeh, A., Panahbehagh, B., **Salehi, M.**, Brown, J.A. and Smith, D. (2013). Asymptotic properties of the sample mean in adaptive sequential sampling with multiple selection criteria. *Bulletin of the Iranian Mathematical Society*. 39, 529-557.
16. Brown, J.A., Salehi, M.M., Moradi, M., Panahbehagh, B. and Smith, D.R. (2012), Adaptive survey designs for sampling rare and clustered Populations. *Mathematics and Computers in Simulation*, 93, 108-116.
17. Mohamadi, M. and Salehi M. (2012). Horvitz Thompson Estimator of Population Mean Under Inverse Sampling Designs. *Bulletin of the Iranian Math. Soc.* Vol. 38 No. 2, pp 333-347.
18. Moradi M, Salehi M, Brown J and Karimi, N (2011). Regression estimator under inverse sampling to estimate arsenic contamination. *Environmetrics*, 22: 894–900.
19. Gavanji, P., M. Salehi, S.D. Gore, H. Khademi, S. Ayoubi and R. Taghipour. (2011). Use of post-stratification in composite sampling for estimating mean. *Journal Environmental and Ecological. Statistics*, Volume 18, Number 3, 535-542.
20. Salehi M., Levy, PS and Rao JNK (2010). Two-Phase Sample Size Estimation with Pre-assigned Variance under Normality Assumption. *Journal of Iranian Science and Technology*, Vol. 34, No. A4.

21. Salehi, M. and Brown J.A. (2010) *Complete allocation sampling: An efficient and easily implemented adaptive sampling design*. *Population Ecology*, [Volume 52, Number 3](#), 451-456.
22. Moradi M and Salehi M. (2010), An adaptive allocation sampling design for which the conventional stratified estimator is an appropriate estimator. *Journal of Statistical Planning and inference*, [Volume 140, Issue 4](#), April 2010, Pages 1030-1037.
23. Salehi M. M, Moradi M., Brown JA and Smith D.R. (2010), Efficient Estimators for Adaptive Stratified Sequential Sampling, *Journal of Statistical Computation and Simulation*, Volume [80](#), Issue [10](#) October 2010 , pages 1163 - 1179 Q2
24. Salehi MM, Mohammadi M., Rao, JNK, and Berger YG (2010). Empirical Likelihood Confidence Intervals for Adaptive Cluster Sampling, *Environmental and Ecological Statistics*. 17, 111-123
25. Brown JA, Salehi M.M, Moradi, Gavin B. Smith D.R. (2008). An adaptive two-stage sequential design for sampling rare and clustered populations. *Population Ecology*. 50:239–245.
26. Nematollahi, N., Salehi M., M. and Saba, R. Aliakbari (2008) Two-Stage Cluster Sampling with Ranked Set Sampling in the Secondary Sampling Frame', *Communication in Statistics - Theory and Methods*, 37, 2404 2415.
27. Salehi MM (2006). Row and Column elimination sampling +1 design. *Communication in Statistics, Theory and methods*, 35-2, 349-362.
28. Salehi, M.M., Levy PS., Jamalzadeh MA, and Chang, K-C (2006). Adaptation of Multiple Logistic Regression to a Multiple Inverse Sampling Design: Application to the Isfahan Healthy Heart Program. *Statistics in Medicine*, [Vol 25- 1](#) 71 - 85 .
29. Salehi MM. and Smith (2005). Two-stage sequential sampling design: a neighborhood-free adaptive sampling procedure. *Journal of agricultural, biological and environmental statistics*, Volume 10, Number 1, Pages 84–103.
30. Salehi M M. and Chang (2005). Multiple Inverse Sampling in post-stratification with subpopulation sizes unknown: A solution for quota sampling . *Journal of statistical planning and inference*, Vol 131/2, pp 379-392 .
31. Salehi M.M. and Seber (2004). A General Inverse Sampling Scheme and its Application to Adaptive Cluster Sampling. *Australian and New Zealand Journal of Statistics*. 46, 483-494.
32. Salehi M M. (2004). Optimal sampling design under a spatial correlation model. *Journal of Statistical Planning and inference*, 118, 8-19.
33. Salehi M. M. (2003). Comparison between Hansen-Hurwitz and Horvitz- estimators for adaptive cluster sampling. *Journal of Environmental and Ecological Statistics*. 10(1), 115-127.

34. Salehi M. M. and Seber G.A.F. (2002). Unbiased estimators for restricted adaptive cluster sampling. *Australian and New Zealand Journal of Statistics* 44, 63-74.
35. Salehi M, M. (2001). Application of Adaptive Sampling in Fishery, Part 1: Adaptive cluster sampling and its strip versions. *Iranian Journal of Fisheries Sciences* 3(1),55-76.
36. Salehi M, M. (2001). Application of Adaptive Sampling in Fishery Part 2: Truncated Adaptive Cluster Sampling Designs. *Iranian Journal of Fisheries Sciences*, 3(1), 77-84.
37. Salehi M. M. and Seber G.A.F. (2001). A New Proof of Murphy's Estimator Which Applies to Sequential Sampling. *Australian and New Zealand Journal of Statistics*, 43, 281-286.
38. Salehi M. M. (1999). Rao-Blackwell versions of the Horvitz-Thompson and Hansen-Hurwitz estimators in adaptive cluster sampling. *Journal of Environmental and Ecological Statistics*. 6, 183-195.
39. Salehi M. M. and Seber G.A.F. (1997). Adaptive Cluster sampling design with the networks selected without replacement. *Biometrika*, 84, 209-219.
40. Salehi M. M. and Seber G.A.F. (1997). Two-stage adaptive cluster sampling. *Biometrics*. 53, 959-970.

Sample of other peer-reviewed publications

41. Naeimeh Abi, Mohammad Moradi, **Mohammad Salehi**, Jennifer Brown, Jassim A Al-Khayat, Elena Moltchanova (2017),: APPLICATION OF BALANCED ACCEPTANCE SAMPLING TO AN INTERTIDAL SURVEY, *Journal of Landscape Ecology* Vol: 10 / No. 1
42. **Salehi M.** (2016), Using MS Excel in teaching Design of Experiment, *International Journal of Education and Learning Systems*, Vol 1, 93-98.
43. **Salehi M.** (2013) , A note on the effective sample size for complete allocation stratified sampling , *International Journal of advance in Management, Technology and Engineering* 3(I), 43-46.
44. **Salehi MM.** and Jamalzadeh (2005), Row and column elimination sampling design +1, *Journal of Statistical Research of Iran*. 2-1, 109-122.
45. Moradi M. **Salehi MM** and Levy , PS (2007) Using general inverse sampling design to avoid undefined estimator, *Journal of Probability and Statistical Sciences*, 10, 137-148..
46. **Salehi M M.** (2002). Systematic simple Latin Square Sampling (+1) Design and its Optimality. *Journal of Propagations in Probability and Statistics*, 2(2). 191-200
47. Norini and **Salehi** (2005). Multiple frame sampling survey, *Andisheh Amari*, 1-10.
48. **Salehi** and Sajadi (2003). Adaptive cluster sampling designs based on ordered statistics. *Andisheh Amari*,, 6-2.

Encyclopedia Papers

- Seber, G. A. F. and Mohammad Salehi, M. (2015). Adaptive Sampling. Wiley StatsRef: Statistics Reference Online. 1–11.
- Seber and Salehi MM, (2011). Adaptive sampling, *International Encyclopedia of Statistical Sciences*. Miodag Lovric (ed). Springer, 14-16.
- Seber, GAF and **Salehi M, M.** (2004). Adaptive Sampling, *Encyclopedia of Biostatistics* Volume 1. 2nd edition. Peter Armitage and Theodore Colton (ed). John Wiley and Sons, Ltd, Chichester.

Invited talk in Universities and institutes

Beheshti University, Iran (2000). Sharif University, Iran (2003), FU Jen Catholic University Taipei, Taiwan. (2004). Tabatabaiee University, Iran (2004), StatCanada, Ottawa, Canada (2005), Carlton University, Canada (2005), Research Triangular Institute, USA (2005).

Invited papers in Conferences

Salehi M. (2016) Teaching applied statistical courses using MS Excel. The 13th Iranian Statistics Conference (ISC13), Shahid Bahonar University of Kerman, Iran.

Salehi M. (2014) Allocation of sample size in sampling designs. , The 12th Iranian Statistics Conference (ISC12), Razi University, Kermanshah, Iran (Keynote Speaker).

Salehi M. M. (2008). Adaptive cluster sampling and its Challenges. Proceeding of the Fifth Sino-International Symposium on Probability, Statistics, and Quantitative Management, , Taoyuan, Taiwan. (Keynote Speaker)

Salehi MM (2008). Efficient Adaptive sampling Design for assessing Marine Life Stacks. The Proceeding of 9th Iranian Statistical Conference, 359-373 Isfahan University Iran.

Salehi M M. (2005). Impact of the Rao-Blackwell Theorem on Adaptive Sampling Designs. International Conference on the FUTURE OF STATISTICAL THEORY PRACTICE AND EDUCATION, Hyderabad, India.

Salehi M. M. (2004). Adaptive allocation sampling designs. Proceeding of the First Sino-International Symposium on Probability, Statistics, and Quantitative Management, 93-106, Taipei, Taiwan.

Salehi M. M. and Seber GAF (2004). "On spatial pattern of a population and model-base estimators". Proceeding of the 7th Iranian Statistical Conference. 333-340, Tehran, Iran.

Contributed paper in Conferences:

Hasan, M and Salehi, M (2019) Using two-phase stratified sampling design to assess the effect of nonresponse in student satisfaction survey of Qatar University, THE 4th international conference on computing, mathematics and statistics, Langkawi Island, Malaysia.

Salehi, M. (2017) Adaptive Complete Allocation Sampling. The ISI Regional Statistics Conference (RSC), Bali, Indonesia, CPS_S_salehi.

Salehi M. A. Farhadi, and Gh. Erjaee. (2016) A New Version of Black-Scholes Equation Presented by Time-Fractional Derivative, 13th International Seminar on Dynamical Systems and Differential Equations and Applications, Department of Mathematical Sciences Isfahan University of Technology, Iran.

Salehi M. (2016) Using MS Excel in teaching Design of Experiment. The 7th International Conference on EDUCATION and EDUCATIONAL TECHNOLOGIES, Istanbul, Turkey.

Salehi M. (2014) Estimation of Crabs abundance using multiple inverse cluster sampling, The 24th annual conference of the international Environmetrics Society". Guangzhou, China.

Salehi M. and Moradi (2014) Inverse adaptive cluster sampling with unequal selection probabilities, Razi University, Kermanshah, Iran

Salehi, M. (2013) A note on the effective sample size for complete allocation stratified sampling. International Research Conference" at First Hotel, Bangkok, Thailand

Salehi, M (2013) Regression-type estimators for two-stage adaptive cluster sampling, New Challenges and Opportunities: IISA Conference, International Indian Statistical Association Chennai, India.

Salehi, M (2011), Using Murthy's Estimator in Inverse Sampling Designs, Advances in Probability and Statistics - A Celebration of N. Balakrishnan's Research, Hong Kong.

Salehi, M., (2011), Qatar. Bootstrap Confidence Intervals for Adaptive Cluster Sampling Design. 5th Annual International Conference on Mathematics & Statistics, Athens, Greece

Brown, J.A., Salehi, M.M., Moradi, M., Panahbehagh, B. and Smith, D.R. (2011) Adaptive and unequal probability survey designs for environmental management.

- Perth, Australia: International Congress on Modelling and Simulation (MODSIM2011), 12-16 Dec 2011. 2071-2077
- Panahbehagh, B., Smith, D.R., Salehi M., Hornbach., D.J., Brown. and J.A. (2011) Multi-species attributes as the condition for adaptive sampling of rare species using two-stage sequential sampling with an auxiliary variable. Perth, Australia: International Congress on Modelling and Simulation (MODSIM2011), 12-16 Dec 2011. 2093-2099.
- Moradi M and Salehi MM. (2006). Estimation of a ratio for general inverse Sampling design. Proceeding of the 8th Iranian Statistical Conference, 193-200, Shiraz, Iran.
- Mohammadi and Salehi M. M. (2005). Negative Binomial Random Variable As the Sum of Dependent & Independent Trials. Proceeding of the second Sino-International Symposium on Probability, Statistics, and Quantitative Management, Taipei, Taiwan.
- Bidram, H. Salehi M. M. (2002). Estimator of generalized regression estimator and its application in the Consumer Expenditure Survey. Vol 1 69-77.
- Salehi M. M (2002). Distance sampling: Line Transect, Proceeding of the 6th International Statistics Conference, vol 1. 220-230.
- Salehi M. M. (2000). On Hansen-Hurwitz and Horvitz- estimators for adaptive cluster sampling 5th Iranian Statistical Conference.
- Salehi M. M. (1996). Environmental adaptive sampling. The 27th International Biometrics Conference, Amsterdam, The Netherlands.
- Salehi M. M (1995). Two-stage adaptive sampling. The A.C. Aitken Centenary Conference, Dundin, New Zealand.
- Salehi M, M (1991). Improvement on the Horvitz-Thompson estimator for capture-recapture. The 21st Iranian Mathematics conference.

Technical Reports:

- Salehi M. M (1996). Simple Latin squares sampling designs and their optimality. Technical reports No. 96.04, Department of Statistics, Auckland University.
- Salehi M. M (1996). A general estimator for sequential sampling designs. Technical report No. 96.05, Department of Statistics, Auckland University.

Served as a referee for international Journals:

Journal of the American Statistical Association (JASA),
 Journal of Royal Statistical Society series B (JRSSB),
 Biometrics,
 Journal of Statistical Planning and inference
 Journal of Environmental and Ecological Statistics
 Journal of Agricultural, Biological and Environmental Statistics,
 Australian and New Zealand Journal of Statistics,
 Sankhya B
 Metron
 Communications in Statistics-Theory and Method

Communications in Statistics-Simulation and Computation
Environmetrics
Statistical Letters.
Journal of Educational and Behavioral Statistics
Journal of Applied Statistics
Journal of Statistical Computation and Simulation
Indian Journal of Medical Research
Aquatic Biology
and numbers of Iranian and Regional Journals.

Reviewed and refereed books for the international Publishers,

Wiley- Wayne A. Fuller (2009) Sampling Statistics

<http://eu.wiley.com/WileyCDA/WileyTitle/productCd-0470454601.html>

Springer- Ganapati P. Patil, Sharad D. Gore, Charles Taillie (2001)

Composite Sampling: A Novel Method to Accomplish Observational Economy in Environmental Studies

<http://link.springer.com/book/10.1007%2F978-1-4419-7628-4>

CRC Press – Arijit Chaudhuri (2014) Network and Adaptive Sampling

<https://www.crcpress.com/product/isbn/9781466577565>

Island Press- Thompson (2004) Sampling Rare or Elusive Species (One Chapter)

<http://islandpress.org/sampling-rare-or-elusive-species>

Completed Internal Grant Projects:

- 1) Project Title “Adaptive allocation a neighborhood-free adaptive sampling procedure” Isfahan University of Technology, 2004
- 2) Project Title Adaptation of Multiple Logistic Regression to a Multiple Inverse Sampling Design: Application to the Isfahan Healthy Heart Program. Isfahan University of Technology, 2003 LPI
- 3) Project Title “Multiple Inverse Sampling” Isfahan University of Technology, 2003, Role: LPI
- 4) Project Title “Two-stage sequential sampling design”, Isfahan University of Technology, 2003, Role LPI
- 5) Project Title “ A General Inverse Sampling and its application Research Center of Iran 2002, Role: LPI.
- 6) Project Title “Properties of Simple Latin Square under a positive auto-correlation model” Isfahan University of Technology, 2002, Role: LPI
- 7) Project Title “Obtaining an unbiased estimator for restricted adaptive cluster sampling” Isfahan University of Technology 2002 LPI
- 8) Comparison between Hansen-Hurwitz and Horvitz-Thompson Estimator for Adaptive Cluster Sampling, Isfahan University of Technology, 2000, Role: LPI

- 9) Project Title “Unbiased estimator for the mean in stratified sampling with adaptive allocation” Isfahan University of Technology, 1999, Role: LPI

Committee participation:

<i>Committee</i>	<i>Position</i>	<i>Institution</i>	<i>Level</i>	<i>Period</i>
Council	member	QU	Dept	Sept 2016-
Faculty Promotion	Chair	QU	Dept. Health Science (ad hoc-Dept)	Sept 2016-
Curriculum	member	QU	College	Sept 2015- Dec. 2016
Recruitment	Chair-member	QU	Dept	Sept. 2015-
Faculty Promotion	Member	Qatar University	College	2010-2013
Faculty Promotion	Chair	QU	Ad hoc-Dept	2009-2010
Website Committee	Chair	QU	Dept.	2012-
Seminar	Member	QU	Dept.	2009-2011
External Relations	Member	QU	Dept.	2009-
Scientific Committee	Member	QU Forum	University	2010
Under graduate Academic affair	Member	Isfahan University Of Technology	School	1998-2007
Scientific Committee	Member	The 5 th International Statistics Conference of ISS		2000
Organized Committee	Member	The 5 th International Statistics Conference of ISS		2000
Graduate Academic A.	Member	IUT	School	1999-2001
Student affair	Member	IUT	University	2002-2006
Research	Member	IUT	University	2001-2006
Research	Chair/Member	IUT	School	2000-2009
Faculty Promotion	Member	IUT	School	2004-2009
Recruitment Committee	Member	IUT	School	2003-2009
National Graduate Program Entrance Exam Exam (Statistics)	Member	Ministry of Higher Education of Iran	Iran	2007-2010
Education and curriculum	Member	Arak University	Department	1990-1994
IT	Chair	Arak University	University	1991-1994
Recruitment	Member	AU	Dept.	1992-1994

Teaching

Graduate courses:

Generalized linear models (PhD), Advance Sampling Theory (PhD.), Sampling method III, Advance Statistical methods, Mathematical Statistics, Environmental and Ecological Statistics. Linear Models, Sampling Technique. Statistical Computation and Simulation. Experimental Design and Statistical Analysis.

Undergraduate Courses:

Design of Experiment, Sampling Methods, Statistical Packages (R, SPSS, Minitab and Excel), Time Series Analysis, Demography, Introduction to applied statistics, Statistics II, Introductory statistical methods for different disciplines (Engineering Medicine, Economics). Sampling Techniques I & II, Computational Statistics (SPLUS), Regression, Non-parametric Methods, Probability, and different courses in Probability and Statistics for Math. , Engineering, Economics, Biology and Medical students, Calculus, Mathematical Analysis, Operation Research,

Program Founder:

Co-Founder of a Joint PhD. program in Applied Statistics in Isfahan University of Technology and Isfahan University, (2004) It is still the only PhD. Program in Applied Statistics in Iran.

Supervising Post-Graduate Students

Supervised 3 PhD. Students

1. Moradi, M. (2009), Adaptive allocation sampling designs. (Current Position: Assistant Professor, Razi University, <https://sci.razi.ac.ir/en/~moradi.m>)
2. Mohammadi, M. (2011). Nonparametric Confidence Intervals under Adaptive Cluster Sampling (Current Position: Assistant Professor, Isfahan University, <http://sci.ui.ac.ir/m.mohammadi>)
3. Panahbehagh, B (2013). Auxiliary Variables in Adaptive Two-stage Sequential Sampling (Current Position: Assistant Professor, Kharazmi University <http://msc.khu.ac.ir/profs>)

Advisor of 1 PhD. Student.

1. R. Aliakbari Saba (2008) , Two-Stage Cluster Sampling with Ranked Set Sampling, Research Associate Professor, Statistical Training and Research center <http://www.srtc.ac.ir/en/Index.html>.

Supervised more than 25 MSc. Students in Statistics.

QU Msc. Students

Mahmood Ahmed Hasan Ahmed. (2019). “Using two-phase stratified sampling design to assess the effect of nonresponse in student satisfaction survey of Qatar University”

Yasmine Shamsi . (2019). “Exact optimal sample allocation”.