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Curriculum Vitae

Monjed H. M. Samuh

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Applied Mathematics & Physics Department

Palestine Polytechnic University

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November 17, 2021

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ORCID: 0000-0002-6779-5632
Google scholar link: `https://scholar.google.com/citations?user=f1eo5okAAAAJ&hl=en&oi=ao`
H-index: 6.
Total citations: 123.

The number of publications in the last 5 years:

1. In Q1 journals: 2 publications.

2. In Q2 journals: 2 publications.

3. In Q3 journals: 6 publications.

4. In Q4 journals: 4 publications.

5. In non-indexed journals: 4 publications.

Education

- **Padova University** — Padova-Italy
  Ph.D. Statistics — *2009 - 2011*
  – Supervisor: Prof. Fortunato Pesarin
  – Co-supervisor: Prof. Friedrich Leisch
  – Thesis: Some Advances in Permutation Testing

- **Yarmouk University** — Irbid-Jordan
  M.Sc. Statistics — *2003 - 2005*
  – Supervisor: Prof. Mohammad Fraiwan Al-Saleh
  – Thesis: On Multistage Ranked Set Sampling with Application to Distribution and Median Estimation
  – Graduated with a 91.8% average

- **Palestine Polytechnic University** — Hebron-Palestine
  B.Sc. Applied Mathematics — *1998 - 2002*
  – Supervisor: Prof. Ibrahim Al-Masri
  – Seminar: Hilbert Spaces
  – Graduated with a 81.4% average

Awards, Grants & Honours

1. PhD Scholarship
   Fondazione Cassa di Risparmio di Padova e Rovigo (CARIPARO)
   Jan. 2009 - Dec. 2011

2. Master Scholarship
   Saudi Committee for the Relief of the Palestinian People Under the Cooperation of the Palestinian Ministry of Higher Education
   Sept. 2003 - Aug. 2005

3. Dean Honors List
   Sept. 2000, Feb. 2001 & Feb. 2002

Professional Employment

- **Associate Professor**   Dec. 2019 - Present
  Palestine Polytechnic University   *Hebron-Palestine*

- **Chair, Department of Applied Mathematics and Physics**   August 2018 - August 2021
  Palestine Polytechnic University   *Hebron-Palestine*

- **Assistant Professor**   Sep. 2017 - Nov. 2019
  Palestine Polytechnic University   *Hebron-Palestine*

- **Assistant Professor**   Jan. 2015 - Aug. 2017
  King Fahd University of Petroleum and Minerals   *Dhahran-Saudi Arabia*

- **Chair, Department of Applied Mathematics**   July 2012 - Dec. 2014
  Palestine Polytechnic University   *Hebron-Palestine*

- **Assistant Professor**   Jan. 2012 - present
  Palestine Polytechnic University   *Hebron-Palestine*

- **Full-time Lecturer**   Feb. 2006 - Dec. 2008
  Palestine Polytechnic University   *Hebron-Palestine*

- **Part-time Lecturer**   Sept. 2006 - Jan. 2007
  Al-Quds Open University   *Hebron-Palestine*

- **Teaching Assistant**   Sept. 2005 - Jan. 2006
  Yarmouk University   *Irbid-Jordan*

- **Teaching Assistant**   Sept. 2002 - Jan. 2003
  Palestine Polytechnic University   *Hebron-Palestine*

Teaching Experience

- **Assistant/Associate Professor**   Jan. 2012 - Present
  Department of Applied Mathematics & Physics   *Palestine Polytechnic University*
  - Graduate Courses
    * Probability Theory
    * Mathematical Statistics
    * Probability and Statistics for Data Science
  - Undergraduate Courses
    * Sampling Theory
    * Regression Analysis
    * Probability Theory I
    * Mathematical Statistics
    * Introduction to Statistics
    * Multivariate Data Analysis
    * Biostatistics for Medicine
    * Experimental Design and Biostatistics

- **Assistant Professor**   Jan. 2014 - Aug. 2017
  Department of Mathematics & Statistics   *King Fahd University of Petroleum & Minerals*
  - Linear Models
  - Generalized Linear Models
  - Probability Theory

- Actuarial Science Probability Lab II
- Applied Statistics and Probability for Engineers

- **Instructor**   Feb. 2006 - Dec. 2008
  Department of Applied Mathematics   *Palestine Polytechnic University*
  - Statistical Lab 1
  - Statistical Lab 2
  - Statistical Lab 3
  - Sampling Theory
  - Variance Analysis
  - Regression Analysis
  - Probability Theory I
  - Introduction to Statistics
  - Statistics and Probability for Engineers

- **Graduate Teaching Assistant**   Sept. 2005 - Jan. 2006
  Department of Statistics   *Yarmouk University*
  - Statistical Lab 1
  - Statistical Lab 2

- **Undergraduate Teaching Assistant**   Sept. 2002 - Jan. 2003
  Department of Applied Math and Computer Sciences   *Palestine Polytechnic University*
  - Statistical Lab 1

Research Interests

- Permutation Testing
- Sampling Theory
- Distribution Theory

Books

Samuh M. H. and Pesarin F. (Sep. 2016), *Applications of Power Functions of Permutation Testing,* LAP LAMBERT Academic Publishing.

Journal Papers

1. Salim, D., **Samuh M. H.**, and Salhab, A. M. (**2021**). *RIS Source Decode-and-Forward Relaying Network with Interference,* Physical Communication, vol. 47, 101333.

2. Salhab, A. M., and **Samuh M. H.** (**2021**). *Accurate Performance Analysis of Reconfigurable Intelligent Surfaces over Rician Fading Channels,* IEEE Wireless Communications Letters, vol. 10, no. 5, pp. 1051-1055.

3. **Samuh M. H.**, M. H. Omar, and M. P. Hossain (2021). *Mixed Double-Ranked Set Sampling: A More Efficient and Practical Approach,* REVSTAT Statistical Journal, vol. 19, no. 1, pp. 145-160.

4. Zidan, S. J., Badrasawi, M., and **Samuh M. H.** (2021). *Nutrition knowledge and practices among Palestinian athletes,* Palestinian Medical and Pharmaceutical Journal, vol. 6, no. 2, pp. - .

5. Salim, D., **Samuh M. H.**, and Salhab, A. M. (2020). *Impact of Interference on the Performance of RIS-Assisted Source DF Relaying Networks,* arXiv:2011.05070 [eess.SP].

6. **Samuh M. H.**, and Salhab, A. M. (2020). *Performance Analysis of Reconfigurable Intelligent Surfaces over Nakagami-m Fading Channels,* arXiv:2010.07841 [eess.SP].

7. Natour, N., Badrasawi, M., **Samuh M. H.**, and Khodour, R. (2020). *Relationship Between Adherence to Mediterranean Diet with, Nutritional and Physical Fitness Status Among Young Athletes from Football Sports Academy- Palestine*, Annals of Epidemiology & Public Health, vol. 3, no. 1, 1032.

8. Badrasawi M., **Samuh M. H.**, Khallaf M., and AbuQamar M. (2020). *Successful Aging Among Community-Dwelling Palestinian Older Adults: Prevalence and Association with Sociodemographic Characteristics, Health and Nutritional Status, Hebron Aging Study*, Indian Journal of Public Health, vol. 64, no. 3, pp. 271-276.

9. Bazyari A., Afshari M. and **Samuh M. H.** (2020). *An Asymptotic Two-Sided Test in a Family of Multivariate Distribution*, Journal of Statistical Theory and Applications, vol. 19, no. 2, pp. 162-172.

10. **Samuh M. H.**, Al-Omari A. I., and Koyuncu N. (2020). *Estimation of the Parameters of the New Weibull-Pareto Distribution Using Ranked Set Sampling*, Rivista Statistica, vol. 80, no. 1, pp. 103-123.

11. **Samuh M. H.** and Sanusi R. A. (2020). *Permutation Tests for Two-sample Location Problem Under Extreme Ranked Set Sampling,* Pakistan Journal of Statistics and Operation Research, vol. 16, no. 2, pp. 387-408.

12. **Samuh M. H.** and Qtait A. (2020). *Estimating the Population Median Using Multistage Median Ranked Set Sampling*, Journal of Applied Probability and Statistics, vol. 15, no. 1, pp. 23-44.

13. **Samuh M. H.**, M. H. Omar, and M. P. Hossain (2020). *Practicality of Some Variations of Ranked Set Sampling,* Austrian Journal of Statistics, vol. 49, no. 1, pp. 60-66.

14. Ansari S. I., **Samuh M. H.** and Bazyari A. (2019). *Cubic Transmuted Power Function Distribution*, Gazi University Journal of Science, vol. 32, no. 4, pp. 1322-1337.

15. Bakri M., **Samuh M. H.** and Azzeh M. (2019), Molecular Epidemiology Survey and Characterization of Human Influenza A Viruses Circulating among Palestinians in East Jerusalem and the West Bank in 2015, PLOS ONE, vol. 14, no. 3, pp. 1-15.

16. **Samuh M. H.** (2018), *Estimation of Distribution Function Under Multistage Median Ranked Set Sampling,* Journal of Applied Probability and Statistics, vol. 13, no. 2, pp. 41-59.

17. Bazyari A. and **Samuh M. H.** (2018), *Two New Lifetime Distributions of X - Weibull Family: Theories and Applications,* Journal of Statistical Theory and Applications, vol. 17, no. 2, pp. 375-392.

18. **Samuh M. H.** and Pesarin F. (2018), *Applications of Conditional Power Function of Two-Sample Permutation Test,* Computational Statistics, vol. 33, no. 4, pp. 1847-1862.

19. **Samuh M. H.** (2017), *Ranked Set Two-Sample Permutation Test,* Rivista Statistica, vol. 77, no. 3, pp. 237-249.

20. Amro L. and **Samuh M. H.** (2017), *More Powerful Permutation Test Based on Multistage Ranked Set Sampling,* Communications in Statistics-Simulation and Computation, vol. 46, no. 7, pp. 5271-5284.

21. **Samuh M. H.** and Awal F. (2017), *Which Generation Cohort is More "Open to Change": An Ordinal Logistic Regression Model Analysis*, International Journal of Humanities and Social Science Invention, vol. 6, no. 10, pp. 47-52.

22. Al Khaldi S. S., Al Yahya R. A., Shahbaz R. H., **Samuh M. H.**, Al Sayyad A. S. and Al Balawi R. M. (2016), *Compliance to Supplements in Pregnant Ladies Attending Antenatal Clinics in Al Khobar, Kingdom of Saudi Arabia, 2015,* IOSR Journal of Dental and Medical Sciences, vol. 15, no. 12, pp. 49-52.

23. **Samuh M. H.** and Qtait A. (2015) *Estimation for the Parameters of the Exponentiated Exponential Distribution Using a Median Ranked Set Sampling,* Journal of Modern Applied Statistical Methods, vol. 14, no. 1, Article 19.

24. Qawasmi M., **Samuh M. H.**, Glebe D., Gerlich W. H., and Azzeh M. (2015), *Age-dependent decrease of Anti-HBs titers and effect of booster doses using two different vaccines in Palestinian children vaccinated in early childhood,* Human vaccines & immunotherapeutics, vol. 11, no. 7, pp. 1717-1724.

25. **Samuh M. H.**, Leisch F., and Finos L. (2014), *Tests for Random Agreement in Cluster Analysis,* Statistica Applicata-Italian Journal of Applied Statistics, vol. 26, no. 3, pp. 219-234.

26. **Samuh M. H.**, Grilli L., Rampichini C., Salmaso L., and Lunardon N. (2012), *The Use of Permutation Tests for Variance Components in Linear Mixed Models,* Communications in Statistics-Theory and Methods, vol. 41, no. (16-17), pp. 3020-3029.

27. **Samuh M. H.** (2012), *Some Advances of Permutation Testing,* Ph.D. Dissertation, Department of Statistical Sciences, Padova University, Padova - Italy.

28. **Samuh M. H.** and Al-Saleh M. F. (2011), *The Effectiveness of Multistage Ranked Set Sampling in Stratifying the Population,* Communications in Statistics-Theory and Methods, vol. 40, no. 6, pp. 1063-1080.

29. Al-Saleh M. F. and **Samuh M. H.** (2008), *On Multistage Ranked Set Sampling for Distribution and Median Estimation,* Computational Statistics & Data Analysis, vol. 52, no. 4, pp. 2066-2078.

30. **Samuh M. H.** (2006). *On Multistage Ranked Set Sampling for Data Reduction with Application to Distribution and Median Estimation.* M.S. Thesis, Department of Statistics, Yarmouk University, Irbid - Jordan.

Book Reviews/Review Essay

- Pesarin, F. and Salmaso, L. (2010). Permutation Tests for Complex Data: Theory, Applications and Software. John Wiley & Sons Inc.
- Probability and Statistics for Data Science by Carlos Fernandez-Granda.

Funded Projects

- Parameter Estimation of the Skew Normal Distribution Using a Double-Stage Ranked Set Sampling (1/3/2016-30/4/2017). Funded by KFUPM.

M.Sc. Thesis Supervision

- Doaa Salim (2021). *Distribution of Functions of Normal Random Variables.* Palestine Polytechnic University.
- Zaher Amro (2019). *Investigation and Improvement of the Assessment Metrics for Image Encryption.* Palestine Polytechnic University.
- Areen Qtait (2014). *The Use of Multistage Median Ranked Set Sampling for Distribution and Median Estimation.* Palestine Polytechnic University.
- Lubna Amr (2014). *Some Variations of Ranked Set Sampling.* Palestine Polytechnic University.

Thesis Committees

- Irwan Rizadi (M.Sc. Dec. 2016), *Two Stage Mixture Logistic Distribution*, Department of Mathematics and Statistics, King Fahd University of Petroleum and Minerals.
- Ridwan Sanusi (M.Sc. Apr. 2016), *New Efficient Control Charts*, Department of Mathematics and Statistics, King Fahd University of Petroleum and Minerals.

Presentations and Working Papers

- M. Samuh (Dec. 2020). *Fitting Distribution with R.* SBRC Webinar Series 2020, Universitas Islam Indonesia.
- M. Samuh (Jan. 2020). *Monte Carlo Simulation with R.* Palestine Polytechnic University.
- M. Samuh (Mar. 2019). *Fitting Distribution with R.* Palestine Polytechnic University.
- M. Samuh (Mar. 2019). *Fitting Distribution with R.* Symposium on Simulation Technology, Ramallah-Palestine.
- M. Samuh (Nov. 2017). *Mixed Double-Ranked Set Sampling: A More Efficient and Practical Approach.* Hacettepe University.
- M. Samuh (Nov. 2016). *Multistage Ranked Set Sampling: A Post-Stratification Approach.* King Fahd University of Petroleum and Minerals.
- M. Samuh (Oct. 2015). *My Experience as a PhD Student at Padova University.* Padova University.
- M. Samuh (Apr. 2015). *p-value: Interpretation and Methodology.* King Fahd University of Petroleum and Minerals.
- M. Samuh (Nov. 2014). *p-value: Interpretation and Methodology.* Palestine Polytechnic University.
- M. Samuh (Jan. 2012) *Some Advances in Permutation Testing.* Padova University.
- M. Samuh (Mar. 2011) *Applications of Empirical Conditional Power Function of Permutation Tests.* Institute of Applied Statistics and Computing, BOKU, Vienna.
- M. Samuh (Jan. 2011) *Applications of Empirical Conditional Power Function of Permutation Tests.* Padova University.
- M. Samuh (Nov. 2009) *Classification trees with unbiased multiway splits.* Padova University.

- M. Ranieri, M. Samuh & F. Solmi (Oct. 2009) *Testing for ARCH in the presence of nonlinearity of unknown form in the conditional mean*. Padova University.

- M. Ranieri, M. Samuh & F. Solmi (Jul. 2009) *Clustering by principal curves with real data applications*. Padova University.

- M. Samuh (Jun. 2009) *Multidimensional scaling*. Padova University.

- M. Samuh (Apr. 2009) *Empirical Bayes confidence intervals for means of natural exponential family-quadratic variance function distributions*. Padova University.

- M. Samuh (Feb. 2009) *Branching process*. Padova University.

Papers Presented in Conferences or Research Visits

1. Practicality of Some Variations of Ranked Set Sampling.
   International Statistics Days Conference (ISDC 2018).
   Mugla Sitki Kocman University, Turkey, October 3-7, 2018.

2. Permutation Tests for Two-Sample Location Problem Under Extreme Ranked Set Sampling.
   International Conference on Computational and Statistical Methods in Applied Sciences (COSTAS 2017).
   Ondokuz Mayıs University, Turkey, November 9-11, 2017.

3. Mixed Double-Ranked Set Sampling: A More Efficient and Practaical Approach.
   International Conference on Computational and Statistical Methods in Applied Sciences (COSTAS 2017).
   Ondokuz Mayıs University, Turkey, November 9-11, 2017.

4. Tests for Random Agreement in Cluster Analysis.
   Palestinian Conference on Modern Trends in Mathematics and Physics III (PCMTMP III)
   Palestine Polytechnic University, Palestine, July 16-18, 2012.

5. Tests for Random Agreement in Cluster Analysis.
   The European Researchers' Night in Veneto (Venetonight 2011)
   Padova University, Italy, September 23, 2011.

6. Permutation Tests with Ranked Set Sampling.
   7th Conference on Statistical Computation and Complex Systems (SCo 2011)
   Padova University, Italy, September 19-21, 2011.

7. Empirical Post Hoc Conditional Power Function.
   Palestinian Conference on Modern Trends in Mathematics and Physics II (PCMTMP II)
   An-Najah National University, Palestine, August 2-4, 2010.

8. Conditional Power Function: Background, Planning and Use.
   International Symposium on Business and Industrial Statistics (ISBIS 2010)
   Portoroz (Portorose), Slovenia, July 5-9, 2010.

9. A Review of Diagnostic Tests in Multilevel Models.
   Statistics for complex problems: the multivariate permutation approach and related topics in honor of the 70th birthday of Fortunato Pesarin
   Padova University, Italy, June 14-15, 2010.

10. The Effectiveness of Multistage Ranked Set Sampling in Stratifying the Population.
    Palestinian Conference on Modern Trends in Mathematics and Physics I (PCMTMP I)
    Birzeit University, Palestine, July 28-30, 2008.

11. The 8th German Open Conference in Probability and Statistics GOCPS 2008.
    Aachen University, Germany, March 2008.

12. The Effectiveness of Multistage Ranked Set Sampling in Stratifying the Population.
    8th International Conference on Ordered Statistical Data and Its Applications OSDA 2008
    Aachen University, Germany, March 2008.

13. Multistage RSS as a Tool of Data Reduction for Huge Data Sets.
    7th International Conference on Ordered Statistical Data and Inequalities OSDI 2007
    Jordan University, Jordan, June 2007.

14. The 3rd International Palestinian Conference on Mathematics and Mathematics Education IPCM.
    Bethlehem University, Palestine, August 2000.

Professional Memberships

- Associate Editor: Science Journal of Applied Mathematics and Statistics.
- Associate Editor: Computer Simulation in Application.
- Reviewer : Pakistan Journal of Statistics and Operation Research (PJSOR).
- Reviewer : Electronic Journal of Applied Statistical Analysis (EJASA).
- Reviewer : Model Assisted Statistics and Applications.
- Reviewer : Journal of Statistics and Computing.
- Reviewer : Journal of Multivariate Analysis.
- Reviewer : Communications in Statistics.

Committees

- Examination committee, Palestine Polytechnic University, 2017/2018.
- Scientific Committee, Palestine Polytechnic University, 2017/2018.
- Social Committee, Palestine Polytechnic University, 2017/21018.
- Committee of preparing study plan in Applied Statistics and Data Analysis, Palestine Polytechnic University, 2017.
- Research Committee, King Fahd University of Petroleum and Minerals, 2016/2017.
- Awareness Committee, King Fahd University of Petroleum and Minerals, 2015/2016.
- Use of Technology committee, King Fahd University of Petroleum and Minerals, 2015/2016.
- Organizer of the Palestinian Statistics Day (https://www.youtube.com/watch?v=9yc963ApvQE), 2014.
- Coordinator of the PEACE II Program (http://www.usc.es/peace2/contact.htm), 2013.
- Chairman of the Technical Committee of Students Innovation Conference, Palestine Polytechnic University, 2013.
- Chairman of the Organization Committee of Palestinian Conference on Modern Trends in Mathematics and Physics III, 2012.
- Chairman of the Examination Committee of Faculty of Applied Science, Palestine Polytechnic University.
- Committee of updating the Website of Faculty of Applied Science, Palestine Polytechnic University.
- Committee of reviewing the study plan in Applied Mathematics, Palestine Polytechnic University.

Languages

- Arabic (Native Speaker), Excellent.
- English, Good.

Computer Qualifications

- **Programming Languages and Statistical Packages**
  SPSS (Excellent), Minitab (Excellent), R (Good), C++ (Good).
- **Other Packages**
  LaTeX, MATLAB, Mathematica, Scientific Workplace.

References

1. Ibrahim Al-Masri, Associate Professor
   Palestine Polytechnic University (PPU)
   P. O. Box 198, Hebron - Palestine
   imasri@ppu.edu

2. Mohammad Fraiwan Al-Saleh, Professor
   Yarmouk University
   21163 Irbid, Jordan
   m-saleh@yu.edu.jo

3. Alessandra Salvan, Professor
   Padova University
   35121 Padova, Italy
   salvan@stat.unipd.it

4. Fortunato Pesarin, Professor
   Padova University
   35121 Padova, Italy
   pesarin@stat.unipd.it