

Curriculum Vitae And List of Publications

Personal Details

Name: Simona Cohen Kadosh
 Marital status: Married+4
 Work address: Logistic department, Sapir Academic College
 Industrial Engineering and Management Department
 Ben-Gurion University of the Negev.
 E-mail: cohensim@mail.sapir.ac.il

Education

1991 **B.Sc.** *Mechanical Engineering*
 Technion - Israel Institute of Technology

1998 **M.Sc.** *Industrial Engineering and Management*
 Ben-Gurion University of the Negev

2016 **M.Sc. Thesis** *Industrial Engineering and Management*
 Ben-Gurion University of the Negev

Advisor: Prof. Zilla Sinuany-Stern

Title: "The Relative Efficiency of Orthopedic Wards in Israel: The case of Fracture of Femoral Neck and the effect Socio-Economic Status using Data Envelopment Analysis"

2021 **Ph.D.** *Industrial Engineering and Management*
 Ben-Gurion University of the Negev

Advisors: Dr. Yuval Bitan & Prof. Emeritus Zilla Sinuany-Stern

Title: "Preparedness for an Earthquake Disaster: Modeling Optimized Deployment of Emergency Treatment Sites"

Employment History

- 2022-** Lecturer -
Logistic department, Sapir Academic College
Teaching Fellow -
Industrial Engineering and Management dep., Ben-Gurion University
- 2019-2021** Research Assistant
Dead Sea & Arava Science Center (DSASC), under the auspices of Ben-Gurion University of the Negev
- 2018 -2022** Teaching Fellow
Industrial Engineering and Management. Ben-Gurion University
Teacher Part-Time
Logistic department, Sapir college
- 2014 -** Adjunct Instructor and Teaching Assistant
Sapir collage
- 2012 -** Teaching Assistant and Lab Coordinator
Industrial Engineering and Management dep. Ben-Gurion University
- 1990-2010** Officer
Served as a mechanical and industrial engineer
Retired as Head of the Industrial Engineering and Management (L.C)
The Technology and Logistics Directorate, Israel Defense Forces

Scientific Publications

Refereed articles in scientific journals

1. Sinuany-Stern, Zilla^{PI}, **Simona Cohen-Kadosh^S**, and Lea Friedman^C. 2016. "The relationship between the efficiency of orthopedic wards and the socio-economic status of their patients", *Central European Journal of Operations Research* 24.4: 853-876. (IF: 0.730 / JCR: Q4, 74 of 83 in Operations Research & Management Science) Available online at: <https://link.springer.com/article/10.1007%2Fs10100-015-0420-9>.
2. **Simona Cohen-Kadosh^S**, Zilla Sinuany-stern^{PI}, " Hip fracture surgery efficiency in Israeli hospitals via a network data envelopment analysis", *Central European Journal of*

Operations Research (IF: 0.730 / JCR: Q4, 74 of 83 in Operations Research & Management Science) Available online at: <https://doi.org/10.1007/s10100-018-0585-0>

3. **סימונה כהן קדוש**, טוהר אמויאל (2022), היערכות ל-72 השעות הראשונות לאחר רעידת אדמה: הקמת נקודות טיפול רפואי ראשוני, עיתון מערכות עורף 3 [אתר מערכות - הוצאה לאור \(maarachot.idf.il\)](http://maarachot.idf.il)

Refereed conference proceedings

1. **Simona Cohen-Kadosh^S**, Zilla Sinuany-stern^{PI}, Yuval Bitan^{PI}, 2018. "Preparedness for earthquake disaster: optimal deployment of emergency treatment sites", The 14th International Conference on Industrial Logistics, Israel. Editors: Sinuany-Stern Z and Cohen Y, ICIL 2018 **Conference Proceedings**, p. 55-62, ISBN 978-965-572-573-5

Unrefereed conference proceedings

1. **Simona Cohen-Kadosh^S**, Zilla Sinuany-stern^{PI}, The relationship between the socio-economic index and efficiency of orthopedic wards via data envelopment analysis, 18th Industrial Engineering and Management Conference, Conference Proceedings, (in Hebrew) Tel Aviv, 2014.

Lectures and Presentations at Meetings and Invited Seminars

Presentation at conferences/meetings

1. **S. Cohen-Kadosh**, and Z. Sinuany-Stern, 2014, "The relationship between the socio-economic index and efficiency of orthopedic wards via data envelopment analysis", The 18th Industrial Engineering and Management Conference, Tel Aviv.
2. **S. Cohen-Kadosh**, and Z. Sinuany-Stern, 2014, "The effect of socio-economic index on the efficiency of orthopedic wards via data envelopment analysis", Annual Meeting of Operations Research Society of Israel, ORSIS conference, Tel Aviv, Israel.
3. Z. Sinuany-Stern, **S. Cohen-Kadosh**, and L. Friedman, 2014, "The relationship between the efficiency of orthopedic wards and the socio-economic status of their patients: a national case study", The 20th Conference of the International Federation of Operational Research Societies, IFORS, Barcelona.
4. **S. Cohen Kadosh** and Z. Sinuany-Stern, 2016, "The relationship between the efficiency of hip fracture surgeries and patients socio-economic index using two stage network DEA:

- The case of Israel", Annual Meeting of Operations Research Society of Israel, ORSIS conference, Male H-Chamisha, Israel.
5. Z. Sinuany-Stern, **S. Cohen-Kadosh**, 2016, "The relationship between the efficiency of hip fracture surgeries and patients socio-economic index using two stage network DEA: The case of Israel", European Conference for Operational Research, EURO 2016, Poland.
 6. **S. Cohen-Kadosh**, Z. Sinuany-Stern, Y. Bitan, 2017, "Using Simulation to Compare Two Emergency Medical Services Deployment Settings During Nature Disasters", Meeting of the Production and Operations Management Society, POMS 2017, Israel.
 7. **S. Cohen-Kadosh**, Z. Sinuany-Stern, Y. Bitan, 2018, Poster. "Using Statistical Simulation to Compare Two Emergency Medical Services Deployment Settings for Nature Disasters", The 5th International Conference on Preparedness & Response to Emergency & Disasters, IPRED 2018, Israel.
 8. **S. Cohen-Kadosh**, Z. Sinuany-Stern, Y. Bitan, 2018, "Preparedness for earthquake disaster: optimal deployment of emergency treatment sites", The 14th International Conference on Industrial Logistics, ICIL 2018, Israel.
 9. **S. Cohen-Kadosh**, Z. Sinuany-Stern, and Y. Bitan, 2018, "Earthquake Preparedness: optimal deployment of emergency treatment sites", European Conference for Operational Research, EURO 2018, Spain.
 10. **S. Cohen-Kadosh**, Z. Sinuany-Stern, and Y. Bitan, 2019, "Using simulation for verifying robust solution of Emergency Treatment Sites location after earthquake", 30st European Conference for Operational Research, EURO 2019, Ireland.
 11. **S. Cohen-Kadosh**, Z. Sinuany-Stern, and Y. Bitan, 2021, "Preparedness for an Earthquake Disaster: Modeling Optimized Deployment of Emergency Treatment Sites", 31st European Conference on Operational Research, EURO 2021, Greece.
 12. **S. Cohen-Kadosh**, Z. Sinuany-Stern, Y. Bitan, 2022, Poster. "Preparedness for an Earthquake Disaster: Modeling Optimized Deployment of Emergency Treatment Sites", The 14th International Conference of Israel National Institute For Health Policy Research, NIHP 2022, Israel.

Presentations at international workshops

1. Z. Sinuany-Stern, **S. Cohen-Kadosh**, and Y. Bitan, 2018, "OR modelling of Preparedness for an Earthquake Disaster", Presented in EWG-ORD 2018 Workshop: OR for Sustainable Development, Madrid, Spain – Z. Sinuany-Stern invited as keynote.

Seminar presentations at universities and institutions

1. 2016, Department of Industrial Engineering and Management, Ben-Gurion University of the Negev, "The relationship between the efficiency of hip fracture surgeries and patients socio-economic index using two stage network DEA: The case of Israel".
2. 2021, Department of Industrial Engineering and Management, Ben-Gurion University of the Negev, "Preparedness for an Earthquake Disaster: Modeling Optimized Deployment of Emergency Treatment Sites".

Research Grants

2022-2024 **Simona Cohen Kadosh PI** with Sagit Kedem Yemini, Yuval Bitan, Zilla Sinuany-Stern . Locating emergency treatment sites (ETS) with decision support system (DSS) for preparedness and response to earthquake event for local municipality. Israel's Ministry of Science and Technology. ~\$83,000.