

## 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.  
  
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### Education

<b>1991</b>	<b>B.Sc.</b>	<i>Mechanical Engineering</i> Technion - Israel Institute of Technology
<b>1998</b>	<b>M.Sc.</b>	<i>Industrial Engineering and Management</i> Ben-Gurion University of the Negev
<b>2016</b>	<b>M.Sc. Thesis</b>	<i>Industrial Engineering and Management</i> 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"

<b>2021</b>	<b>Ph.D.</b>	<i>Industrial Engineering and Management</i> Ben-Gurion University of the Negev
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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<sup>PI</sup>, **Simona Cohen-Kadosh<sup>S</sup>**, and Lea Friedman<sup>C</sup>. 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<sup>S</sup>**, Zilla Sinuany-stern<sup>PI</sup>, " 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>

### Refereed conference proceedings

1. **Simona Cohen-Kadosh**<sup>S</sup>, Zilla Sinuany-stern<sup>PI</sup>, Yuval Bitan<sup>PI</sup>, 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**<sup>S</sup>, Zilla Sinuany-stern<sup>PI</sup>, 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 20<sup>th</sup> 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 5<sup>th</sup> 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 14<sup>th</sup> 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", 30<sup>th</sup> 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", 31<sup>st</sup> 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 14<sup>th</sup> 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".