

Name: Dr. Ayala Gonen

Date: Oct 2019

CURRICULUM VITAE

1. Personal Details

Home Address: Hashita St. 21, Even Yehuda, POB 2436, Zip code 40500

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2. Higher Education

A. Undergraduate and Graduate Studies

| Period of Study | Name of Institution and Department | Degree | Year of Approval of Degree |
|------------------------|---|--|-----------------------------------|
| 1966-1969 | Sheba Medical Center | R.N. | 1969 |
| 1980-1984 | University - Tel Aviv Department - Nursing | B.A (Graduated with honors) | 1984 |
| 1985-1990 | University - Tel Aviv Department- Nursing | M.A. | 1990 |
| 2001-2004 | University – Bar Ilan Department - Informatics | Ph.D. | 2004 |

3. Academic Ranks and Tenure in Institutes of Higher Education

| Dates | Name of Institution and Department | Rank/Position |
|---------------|---|----------------------|
| 2011- present | Ruppin Academic Center | Tenured Lecturer |

4. Offices in Academic Administration

| Rank/position | Name of institution and department | Date |
|---|--|--------------|
| Member of advisory committee, Nursing Department, Ruppin Academic Center | Nursing Department, Ruppin Academic Center | 2011-2012 |
| Tenured Lecturer | Nursing Department, Ruppin Academic Center | 2012-present |
| Member of Research Committee in Health Informatics | Ruppin Academic Center | 2014-present |
| Member of English teaching committee | Ruppin Academic Center | 2014-2015 |
| Deputy-director of the Nursing Department | Nursing Department, Ruppin Academic Center | 2014-present |
| Member of Ruppin Excellence committee (representing our school) | Ruppin Academic Center | 2014-present |
| Substitute-head of Nursing Department | Nursing Department, Ruppin Academic Center | 2015 |
| In charge of representing the students' research at the Ruppin Academic Day | Ruppin Academic Center | 2015-present |
| Member of Ruppin teaching committee (representing our school) | Ruppin Academic Center | 2016-present |

5. Scholarly Positions and Activities outside the Institution

| Rank/position | Name of institution and department | Dates |
|--|---|--------------|
| Former | | |
| Former Israeli Nurses' Representative to I.M.I.A. - Nursing Informatics. | International Medical Informatics Association - Nursing Informatics | 2002-2011 |
| Former Board Member of Israeli | Israeli Medical Informatics | 2003-2011 |

| | | |
|---|--|--------------|
| Medical Informatics Association | Association | |
| Former chairperson of the Israeli Nursing Information Association | Israeli Nursing Information Association | 2003-2011 |
| Former member of the Helsinki committee at Tel Aviv Medical Center | Tel Aviv Medical Center | 2008-2011 |
| Former member of WIZO Even Yehuda; vice president | WIZO Even Yehuda | 2008-2015 |
| Active | | |
| Active member of the Israeli Nursing Research Association | Israeli Nursing Research Association | 2010-present |
| Active - Israeli nurses' representative to E.F.M.I. N/I | European Federation of Medical Informatics - Nursing Informatics | 2002-present |
| *Active member of nursing informatics education group | International nursing informatics education group | 2014-present |
| *Active reviewer of professional articles | Professional nursing journals | 2015-present |
| *Editorial board member in journals: | 1. Insights in Psychology- OPR Science 2. Scientific pages of nursing | 2016 2016 |

6. Participation in Scholarly Conferences

a. Active Participation

Conferences in Israel:

| | Date | Name of the conference | Place of the conference | Subject of Lecture/ Discussion | Role |
|---|---------------|-------------------------------|--------------------------------|--|-------------|
| 1 | December 1990 | National Nurses' Convention | Jerusalem | Correlation between selected factors and the tendency to choose the nursing profession | Lecturer |
| 2 | June 1999 | I.L.A. Convention | Tel Aviv | Using computers in nursing | Lecturer |

| | | | | | |
|----|---------------|---------------------------------|------------|--|----------|
| | | (Israel Medical Informatics) | | | |
| 3 | June 2000 | I.L.A. Convention | Tel Aviv | Ward's Profile | Lecturer |
| 4 | December 2000 | National Nurses Convention | Jerusalem | Computers in nursing | Lecturer |
| 5 | January 2001 | Nurses National Convention | Jerusalem | Computers in nursing - TASMIC | Lecturer |
| 6 | June 2001 | I.L.A. Convention | Tel Aviv | Computerized patient chart | Lecturer |
| 7 | March 2002 | ICU-Nurses Convention | Ramat Gan | Computers in nursing | Lecturer |
| 8 | March 2002 | ICU-Nurses Convention | Ramat Gan | Cooperation between two medical centers | Lecturer |
| 9 | June 2002 | I.L.A. Convention | Tel Aviv | Process of building nursing website | Lecturer |
| 10 | December 2002 | National Nurses Convention | Jerusalem- | National computers mapping | Lecturer |
| 11 | December 2002 | National Nurses Convention | Jerusalem- | Internet for nursing | Lecturer |
| 12 | June 2004 | I.L.A. Convention | Tel Aviv | NAMER project's benefits for the nursing | Lecturer |
| 13 | June 2006 | I.L.A. Convention | Tel Aviv | Bugs software for pre-operative nursing activity | Lecturer |
| 14 | June 2006 | I.L.A. Convention | Tel Aviv | Recording patients who needs isolation | Lecturer |
| 15 | Oct 2006 | National Informatics Convention | Jerusalem | Nurses attitudes toward working with computers | Lecturer |
| 16 | June 2007 | I.L.A. Convention | Tel Aviv | Target-economic software for the head nurse | Lecturer |
| 17 | June 2008 | I.L.A. Convention | Tel Aviv | NIC- nursing intervention | Lecturer |

| | | | | | |
|-----------------------------------|-------------|--|--------------------------------|---|--|
| | | | | classification - EPR | |
| 18 | June 2008 | I.L.A. Convention | Tel Aviv | E learning for hospital personal | Lecturer |
| 19 | June 2010 | I.L.A. Convention | Tel Aviv | Chameleon implementation process | Lecturer |
| International conferences: | | | | | |
| | Date | Name of the conference | Place of the conference | Subject of Lecture/ Discussion | Role |
| 1 | June 2003 | International convention for nursing informatics | Rio de Janeiro, Brazil | Building internet for nursing in medical center | Lecturer Chair |
| 2 | June 2003 | International convention for nursing informatics | Rio de Janeiro, Brazil | Nursing cooperation between two medical centers | Lecturer |
| 3* | June 2014 | International convention for nursing informatics | Taipei, Taiwan | Nursing informatics for nursing students in Israel - The process of curriculum enhancement. (See also publications) | Lecturer (poster presentation) Chair |
| 4* | June 2015 | International convention for nurses ICN | Seoul, South Korea | Situated Learning: Evaluating the Feasibility of an Experimental Learning Approach for Nursing Informatics basic course. (See also publications) | The abstract was accepted for presentation, but I did not attend due to epidemic disease |
| 5* | June 2016 | International convention for nursing informatics | Genève, Switzerland | The impact of nursing students' cultural diversity on the intention and attitudes | Lecturer; (poster presentation) Competition Judge |

| | | | | | |
|----|-------------|--|-----------------------------------|---|--------------------------------|
| | | | | towards the use of Information Technology (See also publications) | |
| 6* | May 2017 | International Nursing Conference - 20 th World Nursing Education Conference | Osaka, Japan | The relationship between work climate and nurse educators' use of information technology | Lecturer (poster presentation) |
| 7 | August 2018 | 36 global international nursing education conference | Boston USA | Promoting the Use of Nursing Terminology Classification Among Nursing Students - an Action Study | Lecturer (poster presentation) |
| 8 | June 2019 | ETNA Conference | České Budějovice, Czech Republic. | Understanding the role of Emotions like Threat and Challenge in explaining Nurses Educators' actual use of Information Technology | Lecturer (poster presentation) |

7. Invited Lectures\Colloquium Talks

| Date | Place of Lecture | Name of Forum | Presentation/Comments |
|------|--|--------------------------------|--|
| 2010 | Ramat Gan | National Librarians Convention | Attitudes towards Working with Computers |
| 2011 | Jerusalem, Shaari Zedek Medical Center | Academic School of Nursing | Nursing informatics |

8. Research Grants

a. Grants Awarded

| Role in | Co- | Topic | Funded by | Year |
|---------|-----|-------|-----------|------|
|---------|-----|-------|-----------|------|

| research | researchers | | | |
|---|---|---|--|--|
| *Primary researcher: Dr. Shirley Bar Lev | Dr. Ayala Gonen and colleagues from T.A. Medical Center | Knowledge sharing and time management via Ofek – an integrated Electronic Medical Record for Israeli hospitals and HMOs (Health Maintenance Organizations) (No articles yet) | NIHP – Israel National Institute for Health Policy Research Sum of 100,000 NIS for one year | 2015-2017 We just finished and sent our final report. |

c. Submission of Research Proposals – Not Funded

| Role in research | Co-researcher | Topic | Funded by | Year | Score |
|---|---|--|--|-------------|--|
| *Primary researcher: Dr. Efrat Neter | Dr. Ayala Gonen | The use of self-management diabetes Apps: Prevalence and association with health care utilization and process of care. | Maccabi Sum of 100,000 NIS for one year | 2015 | Not mentioned |
| *Primary researcher: Dr. Ayala Gonen | Dr. Shirley Bar Lev | A study of the organizational, personal and emotional antecedents of HIT (Health Information Technology) effective use among academic nurses in Israeli medical centers. | ISF - Sum of 100,000 NIS for one year | 2015-2016 | Very good reviews. We will resubmit it |
| * Primary researcher: Dr. Ayala Gonen | Dr. Esther Strauss Dr. Dganit Sharon | Improving nursing students' attitudes toward geriatric patients. | NIHP – Israel National Institute for Health Policy Research Sum of 133,000 NIS For one year | 2017 | Not mentioned |

10. Teaching

a. Courses Taught in Recent Years

| Years | Name of course | Type of the course | Degree | Number of students |
|--------------|------------------------------------|------------------------------|---------------|---------------------------|
| 2012-present | Basics of Nursing | Lecture | B.A | 70 |
| 2012-present | Nursing and Information Technology | Lecture | B.A | 70 |
| 2012-present | Simulation in nursing | Simulation at the laboratory | B.A | 70 |

| | | | | |
|---------------|---|---------|-----|----|
| *2015-present | Nursing Research | Seminar | B.A | 44 |
| *2016 | Nursing Informatics | Lecture | B.A | 60 |
| *2016 | Selected Issues in the Nursing profession | Lecture | B.A | 60 |
| 2019 | Innovation in nursing | Lecture | B.A | 90 |

11. Miscellaneous

It is important for me to note that during the entire period that I worked at various health centers and at the Ministry of Health, I was an active partner in contributing to the development of professional nursing in Israel.

My field of specialty in the last 20 years is the use of Information and Technology in nursing and health environments. During these years, I been trying to educate our nurses how to acknowledge and acquire these tools, and also to be human and professional academic nurses.

Today, I see the teaching profession as a mission, and I believe that the experience and knowledge that I attained during the years of my work contribute to the advancement and achievement of my mission.

Relevant Achievements:

1. *Managing an online educational forum for student nurses in Israel
2. *Developing an advanced curriculum change for nursing students, focusing on using Nursing Information Technology
3. *Design, Implementation and Evaluation of an Information Technology Application course for first year nursing students in Israel by way of "situated learning"
4. Establishing the Israeli Forum for Nursing Informatics
5. Organizing and managing 3 national courses for Nursing Informatics.
6. Participating in a huge project of planning, organizing, teaching, implementing and evaluating a big IT organizational change in healthcare; SAP – ERP software implementation. (50 hospital wards, 1500 nurses)
7. Participating in a huge project in: Planning, organizing, teaching, implementing and evaluating a big IT organizational change in healthcare; CRM implementation

8. Planning, building, and updating internet and intranet sites for hospital nurses

12. Professional Experience

| Workplace | Job | Year |
|---------------------------------------|---|-------------|
| Sheba Medical Center | Deputy-director of the neurosurgery nursing ward + Cardio-Ambulatory Head Nurse | 1972-1976 |
| Johana Jabotinsky High School | Nurses' High School Teacher and Manager | 1977-1987 |
| Ministry of Health – Nursing Division | Nurses' Educational Manager | 1987-1990 |
| Tel-Aviv Sourasky Medical Center | Head of Control – Nurses' Head Office | 1991-2001 |
| Tel-Aviv Sourasky Medical Center | Nursing Informatics Manager | 2001-2011 |

PUBLICATIONS

A. PhD Dissertation

Title: **“Registered Nurses’ Attitudes towards Working with Computers”**

Date: 2003

Pages: 158

Language: Hebrew

University: Bar-Ilan

Adviser: Prof. Snunit Shoham

Published: yes:

Shoham, S. & Gonen, A. (2008). Intentions of Hospital Nurses to Work with Computers: Based on the Theory of Planned Behavior. *Computers, Informatics, Nursing*, 26, pp. 106-116. (See also in published articles)

C. Other Scientific Publications:

Published

1. **Gonen**, A. (2010). Israeli Healthcare, Case Study 17A. In C. A. Weaver; C. W. Delancy; P. Weber; R. L. Carr (Eds.), *Nursing and Informatics for the 21st Century, An International Look at Practice, Education and EHR Trends*, Second Edition. HiMSS Healthcare Information and Management System Society, AMiA American Medical Informatics Association, (pp 459-464). ISBN 9780982107041 - CAT# N11588.

D. Articles in Refereed Journals

Published

1. Shoham, S., **Gonen**, A. (2008). Intentions of Hospital Nurses to Work with Computers: Based on the Theory of Planned Behavior. *Computers, Informatics, Nursing*, 26, pp 106-116. **I.F: 1.00 ; Q2 ; Cited by: 63**
2. Benin-Goren, O., Gonen, A., Lior, A., Halpern, P., Tzafrir, R., & Libster, R. (2009). Computerized Patient Information. *Prehospital and Disaster Medicine*, 24(S1), s17-s18. **I.F: 0.971**

3. * **Gonen A**, Sharon D, Offir A, Lev-Ari L. (2014), How to enhance nursing students' intention to use information technology: the first step before integrating it in nursing curriculum. *Computer Informatics Nursing*. Jun; 32(6):286-93. doi: 10.1097/CIN.0000000000000064. **I.F: 1.00 ;Q2 ; Cited by: 16**
4. ***Gonen, A**, Sharon, D, Lev-Ari, L, Strauss, E, Segev, R, (2016) The impact of nursing students' cultural diversity on the intention and attitudes towards the use of Information Technology (IT) *Journal of Transcultural Nursing*. May; 27(3):302-10. doi: 10.1177/1043659615581558. **I.F: 1.11. ; Q2 ; Cited by: 0**
5. * Strauss, E., Ovnat, C., **Gonen, A.**, Lev-Ari, L., Goren, D.,(2015) , Do Orientation Programs Help New Graduates? *Nurse Education Today*. **I.F: 1.84. ; Q1 ; Cited by: 6**
6. ***Gonen, A**; Lev-Ari, L.; Sharon, D & Amzalag M. (2016), Situated learning: The feasibility of an experimental learning of information technology for academic nursing students. *Cogent Education* (2016), 3: 1154260, <http://dx.doi.org/10.1080/2331186X.2016.1154260>. Taylor & Francis LTD. **I.F: didn't find. ; Cited by: 1**
7. ***Gonen, A** (2016), Nurses frustration with the use of technology. *Journal of Nursing and Palliative Care*. Volume 1(1): 18-19. doi: 10.15761/NPC.1000104. **I.F: didn't find.; Cited by: 0**
8. ***Gonen, A**, Sharon, D, Lev-Ari, L, (2016) Integrating Information Technology's competencies into academic nursing education- An action study. *Journal of Cogent Information & Communications Technology in Education*. doi: 10.1080/2331186X.2016.1193109. Taylor & Francis LTD. **I.F: didn't find. Cited by: 1**
9. ***Gonen A.**, Lev-Ari, L.,(2016) The relationship between Work climate, and nurses' educators using Information Technology. *Journal of Nurse Education Today*, Apr; 39:1-6. doi: 10.1016/j.nedt.2016.01.018. **I.F: 1.84 ; Q1 ; Cited by: 3**
10. ***Gonen, A**, Amzalag, M, Dayan, M., Zaguri, D. & Coorsh,N. (2016), Hospital Nurses 'responsiveness to Uptake Vaccination against the influenza Virus. *IOSR Journal of Nursing and Health Science (IOSR-JNHS)* e-ISSN: 2320–1959.p- ISSN: 2320–1940 Volume 5, Issue 3 Ver.

V (May. - Jun. 2016), PP 01-06 www.iosrjournals.org, **IF: 0.4 ; Q3 ;**

Cited by: 0

11. ***Gonen, A.** Grinberg, K., (2016). Academic students' attitudes toward students with Learning Disabilities. *Journal of Education and Training Studies*. Sep. 2016, vol 4 no 9 ; P 240-246. ; **Cited by: 0**
12. ***Gonen, A & Lev-Ari, I** (2016): The Impact of Sociological Factors on Nurse Educators' Use of Information Technology. *Journal of Health Education Research & Development*. Dec. 16, Vol 4, Issue 4, pp1-7 . DOI: 10.4172/2380-5439.1000205. OMICS International .**IF= 0.5 ;**
Cited by: 0
13. ***Gonen, A & Lev-Ari, I** (2016): Understanding the Role of Emotions like Threat and Challenge in Explaining Nurses' Educators' Actual Use of Information Technology. *Journal of Nursing & Care*. Dec. 16, Vol 5, Issue 6, pp 1-7 . DOI - 10.4172/2167-1168.1000376. OMICS International. **IF= 0.583; Cited by: 0**
14. ***Gonen A., Strauss, E.,** (2017). Promoting the use of nursing terminology classification among nursing students– An action study. *Journal of Nursing and Health Studies*, Vol.2:No.3:18. doi: 10.21767/2574-2825.1000024
15. ***Gonen A** (2018) Ethnic Diversity and its Effect on Illness Perception and Self-Management of Type 2 Diabetes Patients. *Int Arch Nurs. Health Care* 4:099. doi.org/10.23937/2469-5823/1510099 Published: September 29, 2018

E. Articles or Chapters in Scientific Books (which are not Conference Proceedings)

Published

1. **Gonen A,** (1992). Selected factors relevant to choosing the nursing profession among high school seniors in Israel. In Aharonfeld M, Eshed H, Bergman R, Greif L, Shmueli R, Sharon R. (Eds.) *Nursing Manpower in Israel*, researches done by faculty members and students of the nursing

faculty at Tel-Aviv University/ Tel-Aviv University, Nursing Faculty, pp 44-50. (in Hebrew)

2. **Gonen, A.**, Grinberg, A. (2009). Informatics Systems in Israel. In O. Toren, O. Picker (Eds.), *Nursing leadership and management in Israeli hospitals*, Magness Press, Jerusalem. pp 341-369. (in Hebrew)

F. Articles in Conference Proceedings

Published

1. *Gonen A. (2014). Nursing informatics for nursing students in Israel - The process of curriculum enhancement, NI\2014\Taipei International convention for nursing informatics-nurses. <http://www.iospress.nl/book/nursing-informatics-2014/> (see also article no 2 in chapter D)
2. *Gonen A. (2016). The impact of nursing students' cultural diversity on the intention and attitudes towards the use of Information Technology NI\2016\Geneve International convention for nursing informatics-nurses. <http://ebooks.iospress.nl/ISBN/978-1-61499-658-3> (see also article no 3 in chapter D).

I. Other Publications:

Published:

1. **Gonen A**, Halperin O, (1988). Is there a connection between the nursing profession prestige and choosing it, among female high-school seniors *Israeli Nurse*, Journal of Israeli Nurse's organization, Issue 133, pp 15-20.
2. **Gonen A**, (2002). Computers in Nursing. *Israeli Association for Medical informatics*, June-July, p3.
3. **Gonen A**, (2002). Nurses Forum for Computers in Nursing in Israel. *Heart-Rate - Israeli journal for Cardiac/ICU Nursing Issue 12*, March, pp 4-5.

Statistics (updated 21 July 2017):

90 citations- from google scholar

1112 reads - from researchgate.com

J. Other Work Connected with my Scholarly Field

1. *<http://ayalagonen.wix.com/nanda-nic-noc> An internet site for terminology in nursing
2. *An intranet site for the nurse educators in Moodle
3. *Developing and constructing a pocket size Hebrew brochure on the subject of uniform language in nursing for the students (with valuable encouragement from Dr. Sharon, the head of our nursing department and in partnership with Laniado Hospital Nursing School).
4. *Developing an advanced curriculum which focuses on Nursing Informatics
5. *Integrating new technological tools for teaching nursing (such as Animoto, Poll everywhere, Kahoot).
6. *I participated in a project proposals competition carried out by Holon Institute of Technology (HIT). Our main aim is to promote the study of "vital signs" for the nursing students, by using computer technology. On January 2017 the HIT's committee accepted our proposal to be performed. We are now in the process of characterizing and developing the project together with Ruppin Division for the teaching advancement.

K. Publications - in process

1. Gonen, A., Grinberg, K. (2019). The relationship between emotional intelligence and burnout among nursing students. Journal of Korean Academy of Nursing.
2. Grinberg, K., Gonen, A., Cohen, HL., Kaltash, N. (2019). Factors Associated with Hyperemesis Gravidarum. MCN- Clinical and Experimental Obstetrics & Gynecology (CEOG)
3. Gonen, A, Segev, R (2019): Nursing Informatics in Israel from a Historical Perspective, Computer, Informatics, Nursing Journal

4. Strause E, Gonen, A (2019): What will Keep Nursing Graduates in the Nursing Profession? A Research Study. International Journal of Professional Nursing
5. Gonen, A, Aizenberg D (2019): Future intentions of nursing students to work with geriatric patients- Examining the Theory of Planned Behavior: A cross-sectional study, International Journal of Nursing Studies
6. Sharon D, Gonen A, Linetski I .(2019): " Nursing Students' Attitudes toward Sexuality Education and their Intention to Practice Sexuality Education in their Professional Work". American Journal of Sexuality Education.

L. Summary of my Activities and Future Plans

I believe that technology has become more powerful as it provides educators with a valuable tool to support learning. Information technology (IT) has advanced considerably over the last decade, and has made learning more accessible. This accessibility has provided nurses with a way to support students learning inside and outside the classroom. The integration of IT into academic learning and teaching is expected to have a great influence on the experience and performance of learners. However, it depends on the user's technology acceptance, which has the potential to have the greatest influence on the successful introduction of information learning. Without users' acceptance, it is unlikely to be fully integrated into more formal learning.

In addition, for the past three years, I have been working in collaboration with our partners, the nurse educators at Laniado Hospital, and so far we have published two articles. As for now, we are working in cooperation on two more articles:

1. "Promoting the use of nursing terminology classification among nursing students – An action study" (based on the pocket size brochure and the intranet site about the

subject of uniform language in nursing). We are currently at the stage of writing the results and discussion.

2. "Do nursing students' attitudes toward the nursing profession predict their intention to stay in the nursing profession?" We are currently at the stage of writing the results and discussion.

In summary, during the last years, with the blessings and valuable encouragement from Dr. Sharon, the head of our nursing department, I was able to accomplish many achievements, especially in the Health Informatics field. In the future, I have many plans to enhance the integration of IT use among nursing students and educators. I intend to perform a wide range of activities, such as:

1. To continue conducting research in cooperation with other researchers in our department and also to submit requests for grants research. My wish is to make our department a research center with focus on two important areas: Health Informatics & Cultural Diversity.
2. To promote the opportunity to open a MA study program in Health Informatics for nurses in Israel. I initiated the idea and it was submitted to the CHE. We hope that it will be approved soon.
3. We started to plan a program for converting BA students to academically registered nurses (RN). We hope that it will be approved soon.
4. To continue promoting the use of Information Technology by students and educators.

Sincerely,

Dr. Ayala Gonen