

**Carynelisa Haspel (nee Erlick)**  
**Curriculum Vitae**  
**January 1, 2022**

**PERSONAL DETAILS**

Date and place of birth: August 27, 1971, Philadelphia, Pennsylvania, USA  
Year of aliyah: 2000  
Citizenship: USA, Israel  
Marital status: Married + 2 children  
Tel: +972-54-212-2328  
Email: carynelisa.haspel@mail.huji.ac.il

**LISTS OF PUBLICATIONS AND ACADEMIC STATISTICS**

Google Scholar: <https://scholar.google.com/citations?user=LyZY4XsAAAAJ&hl=en>  
Publons/ISI Web of Science: <https://publons.com/researcher/2040403/carynelisa-haspel/>  
ResearchGate: [https://www.researchgate.net/profile/Carynelisa\\_Haspel](https://www.researchgate.net/profile/Carynelisa_Haspel)

**UNDERGRADUATE AND GRADUATE DEGREES**

1993, Rutgers University, Department of Physics and Astronomy, Degree: B.A. (High Honors in Physics and Highest Honors from Rutgers College).  
1997, The University of Chicago, Department of the Geophysical Sciences, Degree: Ph.D.,  
Advisor: Prof. John Frederick.

**PROFESSIONAL EXPERIENCE PRIOR TO JOINING THE FACULTY OF THE HEBREW UNIVERSITY**

1991-1992, Undergraduate Research Assistant, Laboratory for Surface Modification, Rutgers University, Supervisor: Prof. Torgny Gustafsson.  
1992, Summer Intern, Electronics Department, Weizmann Institute of Science, Supervisor: Dr. Yaakov Amitai.  
1992-1993, Senior Honors Thesis in Theoretical Solid State Physics, Department of Physics and Astronomy, Rutgers University, Supervisor: Prof. Andrei Ruckenstein.  
1993-1996, Research Assistant, Department of Geophysical Sciences, The University of Chicago, Supervisor: Prof. John Frederick.  
1997-1999, Princeton University, Program in Atmospheric and Oceanic Sciences/Geophysical Fluid Dynamics Laboratory (GFDL), Visiting Scientist at the Postdoctoral Level; supervisors: Dr. V. Ramaswamy and Prof. Lynn Russell.  
1999-2000, The Hebrew University of Jerusalem, Dept. of Atmospheric Sciences, Postdoctoral Researcher; supervisors: Profs. Nathan Paldor and Alexander Khain.

**APPOINTMENTS AT THE HEBREW UNIVERSITY**

2000-2005, Rank: Lecturer, Faculty: Natural Sciences, Department of Atmospheric Sciences, Institute of Earth Sciences.  
2006-2011, Rank: Senior Lecturer with Tenure, Faculty: Natural Sciences, Department of Atmospheric Sciences, Institute of Earth Sciences.  
2012-present, Rank: Associate Professor, Faculty: Natural Sciences, Department of Atmospheric Sciences, Institute of Earth Sciences.

**HONORS AND AWARDS**

1989-1993, Edward J. Bloustein Memorial Scholarship  
1990, Certificate of Academic Achievement  
1991-1993, Rutgers College Merit Scholarships

1992, Presidential Award on the NJ State General Intellectual Skills Test  
 1992, Phi Beta Kappa National Honor Society  
 1992, Sigma Pi Sigma Physics Honors Society  
 1992, Mary Wheeler Wigner Memorial Scholarship in Physics  
 1992-1993, President of the Rutgers Society of Physics Students  
 1993, Richard T. Weidner Prize in Physics  
 1996-1997, Chair of the Geophysical Sciences Graduate Student Exposition  
 1996-1997, U.S. Environmental Protection Agency Fellowship for Graduate Environmental Education  
 1999, Aron and Sara Mintz Prize  
 2000, Golda Meir Postdoctoral Fellowship  
 2001, Shindel Prize  
 2006, 2007, ranked 1 out of 22 for teaching in the Institute of Earth Sciences  
 2006, 2<sup>nd</sup> Prize in the Hebrew University Faculty of Natural Sciences Poster Competition for Lerner, A., S. Sabbah, C. Erlick, and N. Shashar, The Underwater Polarization Field Outside of Snell's Window  
 2006, 1<sup>st</sup> Prize for extended abstract at Ocean Optics XVIII, Montréal, Quebec for Lerner, A., C. Erlick, N. Shashar, and S. Sabbah, On the Quest for the Scattering Mechanism that Determines the Polarization Field in the Ocean  
 2007, Citation for Excellence in Teaching at the Hebrew University of Jerusalem  
 2010, Honorable Mention in the Competition for the Prize for Outstanding Immigrant Scientist from the Minister of Immigration  
 2011, Best Student Paper Award at the 8<sup>th</sup> Annual Meeting of the Israel Association for Aquatic Sciences for Lerner, A., S. Sabbah, C. Erlick, and N. Shashar, Navigation by Polarization in Clear and Turbid Water  
 2011, course Atmospheric Chemistry ranked number 1 out of 12 in the Program in Climate, Atmosphere, and Oceanography  
 2014, Citation for Excellence in Teaching at the Hebrew University of Jerusalem  
 2015, Citation for Excellence in Teaching at the Hebrew University of Jerusalem  
 2017, Elected Senior Member of the Optical Society of America (selection by referees)  
 2017, Accepted into the Hebrew University President's Program in Academic Leadership 2017-2018 (but declined to participate due to personal reasons)  
 2017, Citation for Excellence in Teaching at the Hebrew University of Jerusalem  
 2018, Editor's Citation for Excellence in Refereeing for JGR-Atmospheres (<https://eos.org/agu-news/in-appreciation-of-agus-outstanding-reviewers-of-2018>)

#### **PRESS RELEASES AND NEWS**

June 12, 1997, "Summer in the City: Pollution Acts as Sunscreen", The University of Chicago Chronicle, 16(19)  
 March 14, 2006, "Effective Refractive Indices of Water and Sulfate Drops Containing Absorbing Inclusions",  
[http://www.redorbit.com/news/science/427070/effective\\_refractive\\_indices\\_of\\_water\\_and\\_sulfate\\_drops\\_containing\\_absorbing/index.html](http://www.redorbit.com/news/science/427070/effective_refractive_indices_of_water_and_sulfate_drops_containing_absorbing/index.html)  
 November 11, 2007, "Stay Away from Trees and Water" – interviewed for article in Questions and Answers Section of the newspaper *Maariv*  
 March 25, 2008, "Head in a Cloud", <http://atoc.colorado.edu/~seand/headinacloud/?p=209>  
 October, 2008, "Polarized Light Guides Egg-Laying Midges" – article highlighted in *Inside JEB*  
 October, 31, 2008, "Polarized Light Guides Cholera-Carrying Midges That Contaminate Water Supplies" – press release on *EurekaAlert!* ([http://www.eurekaalert.org/pub\\_releases/2008-10/tcob-plg102708.php](http://www.eurekaalert.org/pub_releases/2008-10/tcob-plg102708.php)) from the American Association for the Advancement of Science

- September 9, 2009, "Midge Mums See the Light" – note in *BBC Wildlife Magazine*,  
<http://www.bbcwildlifemagazine.com>
- July, 2011, "Fields of Plenty" – research featured in an article in *Scopus, The Magazine of the Hebrew University of Jerusalem*, Volume 58, pp. 18-19.
- December, 2012, "Sensitivity study on the effects of hydrosol size and composition on linear polarization in absorbing and nonabsorbing clear and semi-turbid waters," selected by the Editors, Andrew Dunn and Anthony Durkin, for publication in the Virtual Journal for Biomedical Optics (VJBO).
- April, 2017, wiki page created by Ayala Gartzman during an initiative to create wiki pages for women scientists: <https://he.wikipedia.org/wiki/קרן-הספּל>
- November, 2017, interviewed in the *Senior Member Insights* series on the Optics and Photonics News (OPN) website: [https://www.osa-opn.org/home/career/2017/november/carynelisa\\_haspel\\_on\\_the\\_importance\\_of\\_pursuing\\_yo/](https://www.osa-opn.org/home/career/2017/november/carynelisa_haspel_on_the_importance_of_pursuing_yo/)

### **PUBLIC SERVICE**

- 2005, Participant in the U.S. Climate Change Science Program (CCSP) addressing CCSP Goal 2: "Improve quantification of the forces bringing about changes in the Earth's climate and related systems."
- 2005-2006, Participant in the United Nations Environment Programme (UNEP)/World Meteorological Organization (WMO) 2006 Scientific Assessment of Ozone Depletion [see Chapters in Edited Books].
- 2011, "Speed Dating" – short talk on being a female scientist at the Bloomfield Science Museum, Jerusalem.
- 2012, Academic Community for Israeli Society (<http://www.bashaar.org.il/english.asp>) – answered a series of questions on ozone (questions 5459, 5460) via email after being referred by Prof. Oded Navon.
- 2012, Talk on "Light" at nursery school/kindergarten Gan Naomi, Givat Mordechai, Jerusalem.
- 2013, Talk on "7 Secrets About Light" at preschool Gan Esti, Givat Mordechai, Jerusalem.
- 2014, Talk on "Teaching Earth Sciences" in series of lectures about "Ways to Make a Living" at combined afterschool program for preschool Gan Esti and nursery school/kindergarten Gan Naomi, Givat Mordechai, Jerusalem.
- 2014, Presentation on "10 Surprises About Light in the Sky" at nursery school/kindergarten Gan Naomi, Givat Mordechai, Jerusalem.
- 2015, Presentation on "Physics in Atmospheric Sciences" to high school students taking 5 units of physics (בגרות), Hebrew University, Jerusalem.
- 2018, Talk on "Clouds and Light" at the Annual Tu Beshvat Seder of Kehilat Tiferet Mordecai, Givat Mordecai, Jerusalem.
- 2020, Talk on "Global Warming" to students in an army preparatory program (מכינה קדם-צבאית).
- 2021, Talk on "Understanding Radiative Balance and Global Warming – Perspective on the Work of 2021 Nobel Prize Winner Syukuro Manabe" to biology teachers at a learning seminar day (יום עיון השנתי לחורי ביולוגיה), Belmonte Science Laboratories Teaching Center, Hebrew University, Jerusalem.
- 2020-2022, Participation in Project "Degree and a Half: The Science Behind Climate Change", Hebrew University, Jerusalem.