**November 2022**

**Name: Yonah (Eric) Amster, MD MPH**

**CURRICULUM VITAE**

1. **Personal Details**

Name: Yonah (Eric) Amster, MD MPH

Date of Birth: 29 June 1979

Country of Birth: United States

Identity Card Number: 333850717

Marital Status: Married + 5

Permanent Home Address: 1 HaBotnim, Pardes Hanna

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Electronic Address: eamster@post.harvard.edu

1. **Higher Education**

##### A. Undergraduate and Graduate Studies

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| --- | --- | --- | --- |
| **Date of Degree** | **Degree** | **Name of Institution**  **and Department** | **Period of Study** |
| 2001 | B.A. | University of California, Berkeley  Department of Biology | August 1997-  May 2000 |
| 2007 | M.D. | University of California, Davis  School of Medicine | September 2002 –  June 2007 |
| 2009 | M.P.H. | Harvard University  School of Public Health. Department of Environmental Health | August 2008 –  May 2009 |

**B. Post-Doctoral Studies**

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| **Period of Study** | **Name of Institution and Department/Lab** | **Name of Host** |
| June 2007- June 2008 | Cedar-Sinai Medical Center  Department of Internal Medicine  University California, Los Angele. | Prof Marc Green |
| June 2009 -June 2010 | Harvard University  School of Public Health,  Department of Environmental Health | Prof David Christiani |
| September 2010-  June 2012 | University of Haifa  School of Public Health | Prof Rafi Carel |

1. **Academic Ranks and Tenure in Institutes of Higher Education**

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| **Rank/Position** | **Name of Institution and Department** | **Dates** |
| Post-doctoral  Research Fellow | Harvard University  School of Public Health  Department of Environmental Health | 2009-2010 |
| Visiting Scientist | Harvard University. School of Public Health. Department of Environmental Health | 2010-2015 |
| Research Associate | University of Haifa  School of Public Health,  Faculty of Welfare and  Health Sciences | 2010-2012 |
| Lecturer  (Specialist Track) | University of Haifa  School of Public Health,  Faculty of Welfare and  Health Sciences | 2012-2020 |
| Senior Lecturer (Specialist Track) | University of Haifa  School of Public Health,  Faculty of Welfare and  Health Sciences | 2020-current |

1. **Offices in University Academic Administration**

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| **Rank/Position** | **Name of Institution and Department** | **Years** |
| Head, Department of Environmental and Occupational Health | School of Public Health | 2015- Current |
| Curricular committee, International Masters of Public Health Program | School of Public Health | 2016- Current |
| Founding head of Industrial Hygiene Training Program | School of Public Health, in partnership with the Ministry of Labor | 2017- Current |
| Development of WHO-Univ of Haifa Collaborating Center | Faculty of Social Welfare and Health Science- World Health Organization | 2022-Current |
| Member, Faculty committee for community social involvement | Faculty of Social Welfare and Health Science | 2022- Current |

1. **Scholarly Positions and Activities outside the University**

| **Years** | **Membership in Academic Professional Associations** |
| --- | --- |
| 2008-2010 | Member, American College of Occupational and Environmental Medicine |
| 2010-present | Diplomate, American Board of Preventive Medicine |
| \*2018- present | National Secretary, International Congress Occupational Health |
| \*2021- present | Fellow, Collegium Ramizini (leading professional honour society of occupational medicine) |

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| **Years** | **Academic Affiliations** |
| 2012- 2015 | Visiting Scientist, Harvard T.H. Chan School of Public Health, Environmental and Occupational Epidemiology and Medicine Program |
| 2012-2014 | Instructor, Technion Faculty of Medicine. International MD Program |
| 2012-2014 | Research member, Technion Center for Excellence in Exposure Science and Environmental Health |
| 2012-2015 | Instructor, Hebrew University, Faculty of Medicine |

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| **Years** | **Advisory Board Membership** |
| 2012-2014 | Scientific Advisory Board, Israeli National Biomarker Study, Ministry of Health |
| 2012-2013 | Member, Health promotion in workplace advisory committee, Rambam Healthcare Campus |
| 2014-2015 | Advisory Board, Pesticide Regulation, Ministry of Health and Ministry of Agriculture |
| 2014- present | Occupational Medicine Advisor - State of California, Department of Industrial Accidents. |
| 2017- present | Scientific Advisory Member, National Knowledge Center for Disaster and Emergency Management |
| 2017- present | Scientific Council Member, National Occupational Health and Safety Advisory Committee, Israel Ministry of Labour |
| 2019- present | Editorial Board Member. *International Journal of Environmental Research and Public Health.* Basil, Switzerland.  IF 2018= 2.468, R 2018= Public, Environmental & Occupational Health: 67/185 (Q2) |
| \*2020 | Consultant in Occupational Health. World Health Organization. Western Pacific Region Headquarters. |
| \*2020-2022 | Consultant in Occupational Health. World Health Organization. International Headquarters.  *Developed public health guidance on COVID-19 and occupational health. Lead an international team on scientific technical briefs and policy briefs.* |

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| **Years** | **Reviewing for Referred Journals** |
| \*2013-present | * *American Journal of Industrial Medicine*   IF 2017= 1.729  R 2017= Public, Environmental & Occupational Health (SCIE): 100/181 (Q3)   * *International Journal of Environmental Health Research* * *International Journal Environmental Research and Public Health*   IF 2017= 2.145  R 2017*= Public, Environmental & Occupational Health* (SCIE): 73/181 (Q2); Environmental Sciences: 117/242 (Q2); Public, Environmental & Occupational Health (SSCI): 43/157 (Q2)   * *Journal of toxicology* * *Journal of Occupational Medicine and Toxicology*   IF 2021= 2.646   * *Environment Pollution*   IF 2017= 4.358  R 2017= *Environmental Sciences*: 40/242 (Q1)   * *Israel Journal for Health Policy*   IF 2017= 1.652  R 2017= Health Policy & Services: 44/79 (Q3); Public, Environmental & Occupational Health (SSCI): 74/157 (Q2) |
| \*2021- present | Associate Editor   * *Frontiers in Public Health*   IF 2021= 3.018 |

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| **Years** | **Clinical Leadership Positions** |
| 2010- 2015 | Per Diem Medical Director, U.S. Health Works. San Diego, USA |
| 2012-2013 | Occupational Medicine Physician, Institute for Occupational and Environmental Medicine. Rambam Medical Center |
| 2015- 2020 | Occupational Medicine Physician, Northern Region, Occupational Health Department, Meuhedet Health Services |

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| **Years** | **Educational Activity** |
| 2015 | Course director and designer. US CDC/ATSDR course in environmental medicine |
| 2021\* | Course director. WHO on-line course on COVID-19 and work <https://openwho.org/courses/COVID-19-and-work> |
| 2022\* | Course director. WHO on-line course on Healthy and Safe Telework <https://openwho.org/courses/telework> |

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|  | **6.Participation in Scholarly Conferences**  **a1. Active Participation- Held Abroad** | | | | |
| **Role** | **Subject of Lecture** | **Place of Conference** | **Name of Conference**  **Abroad** | **Date** |  |
| Poster | Case/control study of occupational and environmental etiologies of IPF. | San Francisco, USA | International Health Medical Education Conference | April 2005 | 1 |
| Lecture and Research Award | Respiratory Health and Heavy Metal Toxicity | Florida, USA | American College of Occupational Medicine Conference | May, 2010 | 2 |
| Lecture | Urine arsenic concentration and obstructive lung disease | Cyprus | Harvard-Cyprus Environmental Lung Conference | July 2010 | 3 |
| Poster | Climate change in the Eastern Mediterranean | Barcelona, Sprain | International Society for Env Epidemiology | October 2011 | 4 |
| Lecture (presented by co-author Dr. Keren Agay Shay) | Heavy Metal Composition of Ambient Particulate Matter and CVD Admissions, Cross-Sectional Study, Haifa Bay Metropolis Area, Israel. | Columbia, SC, USA | International Society for Env Epidemiology | August 2012 | 5 |
| Poster | Assessing health benefits of conversion to natural gas power production | Basel, Switzerland | International Society for Env Epidemiology | August 2013 | 6 |
| Lecture | 1) Occupational exposures and symptoms among firefighters and police responding to wildfire | Rome, Italy | International Society for Env Epidemiology | August 2016 | 7 |
| Poster | 2) Contribution of coal-fired power plant emissions on respiratory symptom and disease prevalence |  |  |  |  |
| Lecture | 1) Evaluation of Parkinsonism among Manganese Exposed Workers | Dublin, Ireland | International Congress Occupational Health | May 2018 | 8 |
| Lecture | 2) Low level Urine Arsenic Concentration and Obstructive Pulmonary Disease among U.S. Workers |  |  |  |  |
| Poster | 3)Occupational Exposures and Psychological Symptoms among Firefighters and Police during a major wildfire: The Carmel Cohort Study **Poster** |  |  |  |  |
| Sessions leader/facilitator | Protecting healthcare workers during COVID19 pandemic. Lessons learned from China | Bejing | WHO and China CDC | April 17, 2020 | \*9 |
| Lecture | Developing a joint WHO-ILO guideline on safe and healthy telework | Hybrid | 33rd International Congress on Occupational Health | February 6, 2022 | \*10 |

|  | **a2. Active Participation- In Israel** | | | | |
| --- | --- | --- | --- | --- | --- |
| **Role** | **Subject of Lecture** | **Place of Conference** | **Name of Conference**  **In Israel** | **Date** | **Nu** |
| Lecture | Climate change and human health. | Be’er Shevhaa | Desertification and drylands conference | November 2010 | 1 |
| Lecture | Toxicology of Urban Air Pollution | Haifa | Israel Tox Society | November 2010 | 2 |
| Lecture contributor | Cardiovascular disease and air pollution | Herzliya | Env Health Fund | November 2010 | 3 |
| Lecture | Building design and health of occupants | Haifa | Healthy places conference | February 2011 | 4 |
| **Invited Speaker** | Indoor air quality in Israel and potential health effects. | Jerusalem | Cutting Edge Research, Environmental Health Fund | February 2011 | 5 |
| Lecture | Exposures Assessment and Symptomatology Related to the Carmel Forest Fire: the Carmel  Cohort Study | Tel Aviv | Science to Policy- Environmental Health in Israel | December 2012 | 6 |
| Lecturer  (and Conference organizer) | Assessing toxicity of power plant emissions | Haifa | US-Israeli joint Toxicology Conference | April 2013 | 7 |
| Lecture | Adverse health effects from Orot Rabin power plant | Jerusalem | Israel Society of Ecology  and Environmental Sciences (ISEES) | October 2015 | 8 |
| **Invited Speaker** | Occupational risk assessment by job-exposure matrix | Jerusalem | MERC binational conference | February 2016 | **9** |
| Lecture | The impact of energy policy on morbidity and mortality in Israel | Jerusalem | Jerusalem conference health policy | May 2016 | 10 |
| Lecture | Occupational Exposure and NHL among Palestinians | Jerusalem | Jerusalem conference health policy | May 2016 | 11 |
| Lecture | Exposure to Power Plant pollution and respiratory health in Hadera | Tel Aviv | Israel Public Health Association Annual Meeting | June 2016 | 12 |
| Lecture | Developing a problem based curriculum in environmental and occupational medicine | Haifa | Annual Medical Education Association Conference | March 2017 | 13 |
| Lecture | Time series analyses of morbidity and mortality following transition from coal to natural gas energy production | Tel Aviv | Israel Public Health Association Annual Meeting | June 2017 | 14 |
| Lecture | Occupational justice: Socioeconomic challenges of the working poor | Jerusalem | New Poverties Conference | September 2019 | 15 |
| Lecture | Occupational health in times of COVID | Haifa | COVID and public health | October 2020 | \*16 |
| Keynote Lecture | Health promotion at work during COVID-19 | Tel Aviv | Israel Council on Health Promotion | September 2021 | \*17 |
| Lecture | Development of Global WHO/ILO guidelines on healthy telework | Haifa | Israel Society of Ergonomics Conference | March 2022 | \*18 |
| Keynote Lecture | Healthy and safe Telework | Tel Aviv | Israel Council on Health | November 2022 | \*19 |

**7. Invited Talks- Abroad**

| **Presentation/Comments** | **Name of Forum** | **Place of Lecture** | **Date** | **Num** |
| --- | --- | --- | --- | --- |
| Case studies in environmental medicine | Physicians for Social Responsibility Meeting | Sacramento, USA | October 2006 | 1 |
| Case presentation of arsenic poisoning | Noon-conference | Los Angeles, USA | March 2008 | 2 |
| Indoor air quality and health | Grand Rounds | Harvard University, USA | October 2010 | 3 |
| Environmental Epidemiology of Heavy Metal Exposure | Research seminar | Harvard University, USA | January 2010 | 4 |
| Mercury Toxicity | Grand Rounds | Harvard University, USA | February 2010 | 5 |
| Arsenic Toxicity | Grand Rounds | Harvard University, USA | April 2010 | 6 |
| Public health education in Israel | Hillel student forum | UCLA, USA | April 2017 | 7 |
| Coal power and air pollution in China | Biomedical conference | Shihezi, China | August 2018 | 8 |
| Protecting workers in time of COVID-19 | WHO COVID-19 technical forum | WHO headquarters, Geneva | November 2020 | 9\* |
| Mitigating the impact of COVID-19 on oil and gas workers | International Coalition of Oil and Gas Producers Health Forum | WHO headquarters, Geneva | March 2021 | 10\* |
| COVID-19 among hospitality workers | International Trade Union Confederation | Geneva, Switzerland | March 2021 | 11\* |
| The role of employers in preventing clusters of COVID-19 at work. | International Organization of Employers annual meeting | Geneva, Swritzerland | April 2021 | 12\* |
| Occupational health in the deployment of WHO ICD-12 | WHO International Classification of Disease training | International Webinar | September 2021 | 13\* |
| Health and Safe Telework | WHO Health World of Work Forum | Geneva, Switzerland | February 2022 | 14\* |
| Development of a joint WHO/ILO technical brief on telework. | ILO/WHO Webinar | International Webinar | March 2022 | 15\* |
| Promoting occupational health during the COVID-19 pandemic | Grand rounds | Harvard TH Chan School of Public Health | April 2022 | 16\* |

**In Israel**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Presentation/Comments** | **Name of Forum** | **Place of Lecture** | **Date** | **Num** |
| Introduction to environmental health | Research seminar | Ben Gurion University, Arava Institute | May 2007 | 2 |
| Research methods in environmental health | Research seminar | Ben Gurion University, Arava Institute | January 2008 | 3 |
| Case studies in Env Epi | Epi Seminar | Ben Gurion University | April 2011 | 4 |
| Health effects of forest fires | University conference | University of Haifa | March 2011 | 5 |
| Methods in Env Epi | Department Seminar | Hebrew University | May 2011 | 6 |
| Case studies in Env Epi | Epi Seminar | Ben Gurion University | April 2011 | 7 |
| Health effects of coal-powered energy production | Faculty Seminar | Hadassah, Jerusalem | October 2015 | 8 |
| Exposure assessment in occupational health | International program seminar | Hebrew University | February 2016 | 9 |
| Occupational toxicology | Annual physician training | Meuhedet HMO, Tel Aviv | September 2016 | 10 |
| Health consequences of indoor environment | Israel Green Building Council | Tel Aviv | March 2017 | 11 |
| Environmental quality and public health in Hadera | Society for Protection of Nature seminar | Hadera | May 2017 | 12 |
| Introduction to occupational medicine | Physician seminar | Meuhedet HMO, TLV | July 2017 | 13 |
| Preventing and mitigating COVID-19 at work | Alumni Forum | University of Haifa, School of Public Health | April 2021 | 14\* |
| Testimony to Knesset committee on health | Knesset committee | Israeli Knesset | June 2021 | 15\* |
| Introduction to occupational health promotion | Ministry of Health continuing medical education | Israeli Ministry of Health | June 2021 | 16\* |
| Public health impact of indoor air pollution in Israel. | Health committee meeting | Kenneset | May 2022 | 17\* |

**8.Colloquium talks**

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| --- | --- | --- | --- | --- | --- |
| **Num** | **Date** | **Place** | **Name of Forum** | **Presentation/Comments** | **Role** |
|  | February 2011 | Tel Aviv | EHF colloquium | Indoor air quality and the built environment  in Israel | Lecture |
| 1. \* | March 2021 | Boston | Harvard Occ Health Colloquium | Promoting occupational health throughout the COVID-19 pandemic | Keynote speaker |

**9.Research Grants**

**a. Grants Awarded**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Role** | **Other researcher (name and role)** | **Topic** | **Funding by** | **Total grant** | **Year** | **Publications** |
| Co-PI | Rafi Carel (co-PI) | Air pollution in Haifa Bay Area | Environmental Health Fund **(C)** | $10,000 | 2010-2011 | D6, D7, D9 |
| Co-PI | Rafi Carel, Shai Linn (co-PI) | Occupational health of firefighters following the Carmel forest fire | Environmental Health Fund **(C)** | $15,000 | 2011-2012 | D8, D11 |
| Co-PI | Gabriel Izbicki (co- PI) | PFT amongst Israeli firefighters | Friends of Sharei Tzedek | $10,000 | 2011-2012 | D8 |
| Co-PI | Rafi Carel (PI) | Air pollution in Haifa Bay Area | Pfizer | $10,000 | 2012 | D9 |
| PI |  | Case materials and interactive curriculum in environmental medicine | American College of Medical Toxicology | $30,000 | 2013-2015 | D6, D10 |
| \*Co-PI | Lizi Fireman (co-PI | The use of bio-monitoring to assess and protect workers exposed to nano-scale materials | Israeli Ministry of Science and Technology **(C)** | 1,200,000 NIS | 2020-2023 |  |

1. **Submission of Research Proposals – Pending**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Role in Research** | **Other researcher** | **Topic** | **Funding Agency** | **Date** |
| PI\* | David Christiani (Harvard School of Public Health) | Utility of personal air quality sensors in health promotion | BSF | November 2022 |

**C. Submission of Research Proposals – Not Funded**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Role in Research** | **Co researcher** | **Topic** | **Funding Agency** | **Date** |
| PI | Manfred Green (Co-PI) | Israeli energy policy and air pollution | EHF  **(C)** | 2012 |
| PI | Manfred Green | Child neurodevelopment and exposure to industrial pollution in Haifa | Ministry of Health  **(C)** | 2016 |
| PI | Marc Schenker (Co-PI),  UC Davis | Health of Migrant Workers in Israel | University of California **(C)** | 2017 |
| PI | Riley Shurack | Personal air pollution sensors among the aging population | Minerva Center on Intersectionality in Ageing | April 2022 |

**10. Scholarships, Awards and Prizes**

* + 2001 - Chancellors Award for Community-University Partnership. University of California, Berkeley
  + 2007 - Award for Excellence in Public Health Research. University of California, Davis. $1,000
  + 2009 - Zuckerman Scholarship for Public Leadership. Harvard University, Center for Public Leadership. $75,000
  + 2010 - Research Award in Occupational and Environmental Health. American College of Occupational and Environmental Medicine. $500
  + 2010 - National Institute of Occupational Safety & Health, Training Scholarship (T42OH009416) U.S. Centers for Disease Control & Prevention. 2010. $45,000
  + 2010 – 2012 - Fullbright Scholar. US State Department. Council for International Exchange of Scholars. $40,000 per year
  + 2019 - Outstanding Lecturer Award. School of Public Health. University of Haifa.
  + 2022- Excellence in Teaching Award. Faculty of Social Welfare and Health Sciences. University of Haifa.

**11.Teaching**

###### Courses Taught in Recent Years- University of Haifa

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| --- | --- | --- | --- | --- |
| **Number of students** | **Degree**  **B.A./M.A./M.Sc/Ph.D.** | **Type of Course**  **Lecture/Seminar/Workshop** | **Name of Course** | **Year** |
| 5 | MD | Seminar | Case studies in Occupational Medicine | 2011 |
| 15 | MPH | Course | Introduction to Toxicology | 2011 |
| 10 | MPH | Course | Introduction to Environment Health | 2011 |
| 12 | MPH | Course | Introduction to Environmental Health | 2012 |
| 14 | MPH | Course | Introduction to Environmental Health | 2013 |
| 6 | MPH | Course | Health Promotion in the Workplace | 2013 |
| 9 | MPH | Course | Introduction to Environmental Health | 2014 Fall |
| 3 | MPH | Course | Health Promotion in the Workplace | 2014 Spring |
| 3 | MPH | Course | Health Promotion in the Workplace | 2015 Spring |
| 7 | MPH | Course  International Program | Introduction to Environmental Health | 2015 Fall |
| 8 | MPH | Course  International Program | Intro to Epi Methods | 2015 Fall |
| 22 | MPH | Course | Introduction to Environmental Health | 2016 Spring |
| 28 | MPH | Course | Health Promotion in the Workplace | 2016 Spring |
| 4 | MPH | Course | Toxicology | 2016 Spring |
| 17 | MPH | Course  International Program | Introduction to Environmental Health | 2016 Fall |
| 17 | MPH | Course  International Program | Intro to Epi Methods | 2016 Fall |
| 17 | MPH | Course | Introduction to Environmental Health | 2016 Fall |
| 18 | MPH | Course | Health Promotion in the Workplace | 2017 Spring |
| 6 | MPH | Course | Toxicology | 2017 Spring |
| 13 | MPH | Course | Intro to Epi Methods (international) | 2017 Fall |
| 20 | MPH | Course | Health Promotion in the Workplace | 2018 Spring |
| 9 | MPH | Course | Toxicology | 2018 Spring |
| 13 | MPH | Course  International Program | Introduction to Environmental Health | 2018 Spring |
| 12 | MPH | Course | Intro to Epi Methods (international) | 2018 Fall |
| 16 | MPH | Course | Introduction to Occupation Health | 2018 Fall |
| 19 | MPH | Course | Health Promotion in the Workplace | 2019 Spring |
| 15 | MPH | Course | Toxicology | 2019 Spring |
| 18 | MPH | Course  International Program | Introduction to Environmental Health | 2019 Spring |
| 14 | MPH | Course  International Program | Intro to Epi Methods (international) | 2019 Fall |
| 13 | MPH | Course | Introduction to Occ/Env Health | 2019 Fall |
| 18 | MPH | Course  International Program | Intro to Epi Methods (international) | 2020 Fall |
| 18 | MPH | Course | Introduction to Occ/Env Health | 2020 Fall |
| 19 | MPH | Course | Health Promotion in the Workplace | 2021 Spring |
| 16 | MPH | Course | Toxicology | 2021 Spring |
| 18 | MPH | Course  International Program | Introduction to Environmental Health | 2021 Spring |
| 22 | MPH | Course  International Program | Intro to Epi Methods (international) | 2021 Fall |
| 10 | MPH | Course | Introduction to Occ/Env Health | 2021 Fall |
| 22 | MPH | Course  International Program | Introduction to Environmental Health | 2021 Fall |
| 10 | MPH | Course | Toxicology | 2022 Spring |
| 19 | MPH | Course | Health Promotion in the Workplace | 2022 Spring |
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###### Courses Taught in Recent Years - Other Universities

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| --- | --- | --- | --- | --- |
| 22 | MPH | Course International Program Hebrew University  Faculty Medicine | Introduction to Environmental Health | 2012 Spring |
| 28 | MPH | Course  Hebrew University  Faculty Medicine | Introduction to Environmental Health | 2012 Spring |
| 21 | MD | Course  Technion International Medical School | Physical Exam | 2012 Fall |
| 22 | MPH | Course International Program Hebrew University  Faculty Medicine | Introduction to Environmental Health | 2014  Spring |
| 31 | MPH | Course  Hebrew University  Faculty Medicine | Introduction to Environmental Health | 2014 Spring |
| 19 | MPH | Course International Program Hebrew University  Faculty Medicine | Introduction to Environmental Health | 2015  Spring |
| 38 | MPH | Course  Hebrew University Faculty Medicine | Introduction to Environmental Health | 2015 Spring |
| 14 | BA | Workshop  Ben Gurion University  Arava Institute | Introduction to Environmental Health | 2016 Spring |

1. **Supervision of Graduate Students**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year of Completion/**  **In Progress** | **Degree** | **Title of Thesis** | **Name of**  **Other Mentors** | **Name of Student /** |
| **MPH Students** | | | | |
| 2015 | MPH | Demographic and dietary predictors of urinary concentrations of phytoestrogents among adults in Israel |  | Andrew Bucu |
| 2016 | MPH | Public outdoor stairwell utilization throughout Haifa |  | Chelsea Beytas |
| 2021 | MPH | Manganese biomarkers and Parkinsonism |  | Sahara Elfaks |
| In Progress | MPH | Demographic distribution of IPF in Israel | Prof Lital Kinan-Boker | Saif Saleh |
| In Progress | MPH | Work stress among healthcare workers during the COVID-19 pandemic |  | Afno Heno |
| **Ph.D. Students** | | | | |
| 2015 | PhD | [An evaluation of the health benefits achieved at the time of an air quality intervention in three Israeli cities.](https://www.ncbi.nlm.nih.gov/pubmed/28237065) |  | Lital Yinon (NYU) |

**PUBLICATIONS**

**The order of the listed authors is according to their relative contribution (unless otherwise specified).**

1. **Dissertation**
2. **Scientific book Edited Books - Published**

None

1. **Monographs**

\*“Air Quality and Health in the Western Pacific Region”, World Health Organization, Western Pacific Region Monograph. 2020. (Technical editor)

**Published** (74 Citations- Scopus)

**Index:**

**I.F. = Impact Factor**

**R = Ranking**

**Q = Quartile**

**All impact factor and ranking from JCR, year of publication**

**# = Student**

1. **Articles in Refereed Journals**

|  |  |  |
| --- | --- | --- |
| **1** | **Amster E**. (2006). Surveying the Dying: Epidemiology and the terminally ill. *Annals of Internal Medicine.* 145(6):471-471  IF 2006= 14.780, R 2006= Medicine, General & Internal: 4/103 (Q1) | |
| **2** | Shenker M, **Amster E**, Tiwary A. (2007). Arsenic in Herbal Kelp Supplements. *Environmental Health Perspectives*. 115(12):A575-6 (equal contribution)  IF 2007= 5.636., R 2007= Environmental Sciences: 1/160 (Q1); Public, Environmental & Occupational Health: 2/100 (Q1) | |
| **3** | **Amster E**, Schenker M, Tiwary A. (2007), Potential arsenic toxicosis secondary to herbal kelp supplement". *Environmental Health Perspectives*. 115(4):606-608  IF 2007= 5.636, R 2007= Environmental Sciences: 1/160 (Q1); Public, Environmental & Occupational Health: 2/100 (Q1) | |
| 4  **5** | **Amster E,** Cho I,Christiani D. (2011). Obstructive pulmonary disease and arsenic exposure in the US population. *Journal of Toxicology and Environmental Health, Part A.* 74(11):716-727.  IF 2011= 2.706, R 2011= Environmental Sciences 86/205 (Q2); Public, Environmental & Occupational Health: 67/158 (Q2)  Grobman Y, **Amster E.** (2011). Implications of Green Building and Climate Change on Human Health in Israel. *Geography Research Forum.* 31: 32-49. (Equal contribution)  IF=N/A SJR 2011= 0.101, R 2011=  Earth-Surface Processes: 128/148 (Q4);  Geography, Planning and Development: 563/648 (Q4) | |
| **6** | **Amster E** (2012). Assessment of the Israeli occupational health system. *Journal of Occupational and Environmental Medicine*. 54(8): 903-904.  IF 2012= 1.845, R 2012=  Public, Environmental & Occupational Health: 66/161 (Q2) | |
| **7** | Agay-Shay, K., **Amster,** **E**., & Linn, S. (2012). E-004: Heavy Metal Composition of Ambient Particulate Matter and CVD Admissions, Cross-Sectional Study, Haifa Bay Metropolis Area, Israel. *Epidemiology*, *23*(5S).  IF 2012= 5.738, R 2012= 5/161 (Q1) | |
| **8** | **Amster E,** Carel R, Linn S (2013). [Occupational exposures and symptoms among firefighters and police during the Carmel forest fire: the Carmel cohort study.](http://www.ncbi.nlm.nih.gov/pubmed/23882893) *Israel Medical Association* *Journal*. 15:356-360.  IF 2013= 0.903, R 2013= Medicine, General & Internal: 93/156 (Q3) | |
| **9** | **Amster E**, Haim M, Dubnov J, Broday DM (2014). [Contribution of nitrogen oxide and sulfur dioxide exposure from power plant emissions on respiratory symptom and disease prevalence.](http://www.ncbi.nlm.nih.gov/pubmed/24361356) Environ Pollut. 186:20-8  IF 2014= 4.143, R 2014= Environmental Sciences: 17/223 (Q1) | |
| **10** | **Amster, E.** (2016). Mitigating pharmaceutical waste exposures: policy and program consideration. *Israel Journal of Health Policy Research.* 5:58-62  IF 2016= 1.362, R 2016= Health Policy & Services: 47/77 (Q3);  Public, Environmental & Occupational Health: 92/157 (Q3) | |
| **11** | Rinsky, L and **Amster, E.** (2019)“Socialized Occupational Medicine in Israel: Past, Present and Future". *Archives of Environmental and Occupational Health.* 74:1-11  IF 2017= 2.148, R 2017=  Public, Environmental & Occupational Health: 72/181 (Q2) | |
| **12** | **Amster, E.** and Levy, CL. (2019) “Impact of Coal-fired Power Plant Emissions on Children’s Health: A Systematic Review of the Epidemiological Literature“. *International Journal of Environmental Research and Public Health.* 16(11):1-11  IF 2018= 2.468, R 2018= Public, Environmental & Occupational Health: 67/185 (Q2) | |
|  |  | |
| **13** | **Amster, E.** (2019) "Public Health Impact of Coal-fired Power Plants". *International Journal of Environmental Health Research.* 16:1-23.  IF 2018= 1.465, R 2018= Public, Environmental & Occupational Health: 126/185 (Q3) | |
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E. **Articles or Chapters in Scientific Books**

**(Which are not Conference Proceedings)**

1. **Amster, E.** Christiani, D. “International Environmental Lung Disease”. Pg 783-795. Chapter in: **Environmental and Occupational Lung Disease.** Edited by Springer Science. 2012.
2. **Amster, E.** “Clinical epidemiology and terminally ill”. Chapter in: **On Being a Doctor 3.** Pg 164-165. Edited by Laine C and LaCombe M. American College of Physicians. 2007.

###### F. Articles in Conference Proceedings

**Amster, E**. Schenker, MB. A Case/Control Study of Occupational and Environmental Etiologies of IPF. IHMEC Conference. Pg 183-184. April, 2005. San Francisco, CA.

###### G. Entries in Encyclopedias

None

**H. Other Scientific Publications**

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| \*Brune Drisse, M.,… **Amster, E**… et al. (2021). “Children and digital dumpsites. E-waste exposure and child health”. *World Health Organization publications.* Pgs 1-110. June 16, 2021 |
| \*Al-Emam R., Allegranzi B., **Amster, Y**., et al. (2021) COVID-19: Occpational Health and safety for health workers. Interim Guidance“. *World Health Organization Publication.* 1-16. |
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| **\*Amster, Y.,** et al. (2021). Preventing and mitigating COVID-19 at work: Policy Brief”. *World Health Organization Publication.* |
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| **\*Amster, Y.,** et al. (2022). “Healthy and Safe Telework: Technical Brief”.  *World Health Organization Publication.*  \*Ivanov I., **Amster, Y.** et al. (2022) “Guide for the development and implementation of occupational health and safety programmes for health workers”.  *World Health Organization Publication.* Pgs. 1-124. February 21, 2022. |

* 1. **Other Publications**

**Publications in Newspapers and Magazines**

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| **Newspaper and magazines** | **Name of the article** | **Date** |
| The New Physician | The Quesadilla Diaries: Occupational Health in Mexico City | September, 2003 |
| Sacramento News | Respiratory Health and What You Drive | December, 2003 |
| The Voice | Healing the Soul: Spiritual Growth and Modern Medical Education | June, 2004 |
| The Next American City | Health by Design: City Planning and Public Health. | March, 2006 |
| Science Daily | High arsenic levels found in herbal kelp supplements | April, 2007 |
| Nutrition Action | Study reports arsenic in kelp supplements | April, 2007 |
| Yedidot | Health effects remain following the Carmel forest fire. | January, 2011 |
| Jerusalem Post | For rescuers, effect of Carmel Fire linger on. | December 2011 |
| Scientific American | Environmental health in Israel | May, 2011 |
| Jerusalem Post | Harvard to Haifa in Pursuit of Medicine | March 2013 |
| Jerusalem Post | Why did the ammonia leak occur? | November 2014 |
| Maariv | The ammonia tanks are still there | February 2016 |
| **Editorial** | **Name of the article** | **Date** |
| Jerusalem Post | Even after flames are out, public health risk remains. | December, 2010 |
| Maariv | Stairways of Haifa; Promoting Health | May, 2012 |
| Times of Israel | How to make Haifa a healthy place to liver every day | May, 2012 |
| nrg.com | How to prevent the next Ammonia disaster | November 2014 |
| Maariv | Workplace accidents: not an accident, a tragedy. | August 2016 |
| Globes | Three simple things to save lives at work. | June 2019 |
| **TV and radio** | **Topic** | **Date** |
| News, station 1 | What is poisoning you? | November, 2010 |
| Station 1 (TV): HaMabada | Health effects of Carmel forest fire. | January, 2011 |
| Galai Tzal | Health risks from Ammonia tanks | August 2016 |

* 1. **Submitted for Publication**

Blank Porat, D., **Amster, E.** (2022). “Biomonitoring of nanoparticle exposed workers". *Toxicology and Industrial Health.*

(IF=2.488) (9 pages)

**K. Summary of Activities and Future Plans**

Every year thousands of workers in Israel, millions worldwide, die or become fatally ill due to hazardous exposures and injury at work. I am passionate about researching the root causes of these illnesses, working with the government and the international community to prevent occupational illness, and educating the future generation of researchers and professionals. My work in academia has been focused on making change in occupational health by 1) leading the development of technical documents and public health interventions for the World Health Organization. 2) conducting epidemiological research on the association between industrial hazards and disease; 3) educating physicians and public health professionals on evidence based occupational health practice; 4) advocating for improved occupational and environmental health through involvement in governmental and non-governmental committees, media and professional conferences.

I teach my students the importance of making positive change on three levels: personal, local and global. On a personal level I find great satisfaction in running an occupational medicine clinic in the public health system where I get to treat and educate patients who are sick from exposures and injury at work. In clinic I train medical students and residents in evidence based occupational medicine. Finally, the one-on-one interaction I have with the students in our school, I believe will help to shape the practice of occupational health for years to come.

On a local level at our University, I lead the effort to expand the educational program in environmental and occupational health to students and occupational medicine residents. I am also involved in the establishment of the new international master’s program where I sit on the curriculum committee. Over the past five years as Head of the Department of Environmental and Occupational Health, I have dedicated my efforts to build the Department by increasing student registration over 600%, soliciting new funding, recruiting new faculty to the and increasing faculty research collaboration and publication. In 2017 I lead a successful effort to open a new training track in Industrial Hygiene in collaboration with the Ministry of Finance and Labor including 50% funding of student tuition for 20 students annually. Currently I have leading the effort to have our school of public health be recognized as an internationally recognized WHO collaborating centre in occupational health.

I am an active participant in a number of scientific advisory committees in environmental and occupational health nationally and internationally. I am the national secretary for Israel with the International Commission on Occupational Health (ICOH), the largest international professional organization in my field. I am advisor on the Prime Minister's advisory committee on occupational safety and health which sets the government's priorities and budget in the field. I advise the State of California on matters related to the improvement of health care for injured workers in the state. Finally, in 2020 I was on sabbatical as a consultant at the World Health Organization and have continued working with the WHO as a full-time consulting expert on COVID-19 and occupational and environmental health. I am currently leading the effort to establish a WHO collaborating centre at the University of Haifa.

My research has focused on the health effects related to chronic environmental and occupational exposures. In the past I have investigated heavy metal, pesticide and air pollution exposures. I have completed a two-year grant of developing educational materials on environmental exposure assessment for clinicians with the US Centers for Disease Control.

I am expanding my research interests to include new types of industrial exposures. I am currently involved in research with collaborators at Harvard and TAU to test screening technology for workers exposed to nanoparticles; assessing the contribution to public health of converting from coal-based power plants to natural gas power in Israel with collaborators from NYU; and analyzing big data to determine new health associations with industrial sources of heavy metal.

**Works in Preparation**

Riley Shurak (Univ Mass Amherst), Jeanette Garcia (Univ Central Florida), John Sirad (Univ Mass Amherst), Yonah Amster. “Utility of wearable air pollution monitors in predicting physical activity” In preparation for submission to *International Journal of Behavioral Nutrition and Physical Activity.* IF: 8.925