|  |  |
| --- | --- |
| **Name: Jonathan Dubnov** | **Date: ­­­­­­­­­­­­­­­­­­Tuesday, November 15, 2022** |
| **ID: 308663137** |

# PART A: CURRICULUM VITAE

## Personal Details

|  |  |
| --- | --- |
| **Office Telephone Number:** | **+97248632916** |
| **Cellular Phone:** | **+972506242506** |
| **E-mail Address:** | jonathan.dubnov@lbhaifa.health.gov.il |
| **Personal Webpage:**  |  |

## Summary of my Scientific and Other Contributions and Future Plans

**a. Contributions to Science:**

**Contribution 1**: "**The awareness of the negative impacts of coal fired power plants and the development of alternative energy sources in Israel**"

Our scientific group "Health Monitoring on Hadera Power Plant Effects” (where I served as the head and further as main collaborator) completed several cohort studies related to influence of air pollution on children pulmonary functions and adult respiratory health. The results of these studies served policy decision makers in discussions concerning future of power plants and development of alternative sources of energy in Israel, incl. the renovation of the main power plant "Orot Rabin" and establishing of newest power plants working on alternative (natural gas) sources.

**Relevant publications:**

**Dubnov** **J**., Barchana M., Rishpon S., Leventhal A., Segal I., Carel R., Portnov B. A. 2007. Estimating the effect of air pollution from a coal-fired power station on the development of children's pulmonary function. ***Environmental Research***; 103: 87– 98

**Dubnov** **J**., Portnov B.A. and Barchana M. "Air pollution and development of children’s pulmonary function". In "***Encyclopedia of Environmental Health***", Vol. 1, Five-Volume Set, Jerome Nriagu (editor in chief), First edition, Elsevier, 2011, 17– 25 pp

Yogev-Baggio T., Bibi H., **Dubnov** **J**.**,** Barchana M., Or-Chen K., Carel R. and Portnov B. A. 2010. Who is affected More by Air Pollution – Sick or Healthy? Some Evidence from a Health Survey of Schoolchildren Living in the Vicinity of a Coal-Fired Power Plant in Northern Israel. ***Health and Place***. 16 (2): 399-408

Amster E.D., Haim M., **Dubnov** **J.**, Broday D.M. 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) ***Environmental Pollution***. Mar;186:20-8

**Contribution 2**: "**The establishing of epidemiological monitoring in Haifa's Bay Area"**

As the leader/main collaborator of this project, we performed several environmental health studies and established principal framework for the future studies in Haifa's Bay Area. In 2017 this project was transformed to the newest scientific collaboration with 6 current studies occurring in Haifa's Bay Area, The former and ongoing epidemiological studies about the influence of air pollution on health, especially the petrochemical industry in this area, allowed us (as the representatives in the "Inter-Ministerial Committee for the Promotion and Development of Haifa Bay") to formulate clear evidence base recommendations which were included in the final report of this Committee and adopted by Israel Government in March 2022.

**Relevant publications:**

Eitan O., Yuval, Barchana M., **Dubnov J.,** Linn S., Carmel Y., Broday D.M.2010. [Spatial analysis of air pollution and cancer incidence rates in Haifa Bay, Israel.](http://www.ncbi.nlm.nih.gov/pubmed/20630566) ***Science of the Total Environment***; 408(20):4429-39.

Portnov B.A., Reiser B., Karkabi K., Cohen-Kastel O., **Dubnov** **J**. 2012. [High prevalence of childhood asthma in Northern Israel is linked to air pollution by particulate matter: evidence from GIS analysis and Bayesian Model Averaging.](http://www.ncbi.nlm.nih.gov/pubmed/22077820) ***International Journal of Environmental Health Research***. Jun;22(3):249-69

Zusman M., **Dubnov** **J**., Barchana M., Portnov B.A. 2012. Residential Proximity to Petroleum Storage Tanks and Associated Cancer Risks: Double Kernel Density Approach vs. Zonal Estimates.***Science of the Total Environment***. Nov; 441:265-276

Svechkina A., **Dubnov** **J**., Portnov B.A. 2018. Environmental Risk Factors Associated with Low Birth Weight: The Case Study of the Haifa Bay Area in Israel. ***Environmental******Research*** . 2018. 165; 337-348

**b. Contribution to Society:**

Such as the member and currently as the head of the "Advisory Committee of Environmental Epidemiology" of the Ministry of Health, my main role is to disseminate to policy decision makers, incl. Knesset (parliament), the recent evidences and the scientific recommendations for the prevention of harmful influence of environmental pollution on human health in different environmental health aspects: the updating of the Israeli Air and Water Quality National standards, the National Programme of improving of air quality, traffic air pollution exposure in metropolitan areas, phosphate mining and its health effects, prevention of asbestos uses, etc.

**c. Plans for future research programs (my academic vision):**

Since 2013, when I've been served as senior professional advisor for WHO European Center of Environment and Health, I work extensively with WHO on many environmental epidemiological projects and public health activities and represent the Israeli Ministry of Health on the WHO Task Force on, “Health Effects of Long-Range Transboundary Air Pollution,” which monitors and models the health impacts of ambient and indoor pollution.

Currently, together with my colleagues in School of Public Health we on the final stage of the establishing of the University of Haifa WHO Collaborating Center for the occupational and environmental health. WHO Collaborating Center will support WHO’s coordination of the technical work of the global network of WHO collaborating centers for occupational health, will assist WHO in promoting healthier, safer and more resilient (incl. climate change influence) workplaces, and to contribute to WHO’s work on advancing health promoting workplaces globally.

## Higher Education

### Undergraduate and Graduate Studies

|  |  |  |
| --- | --- | --- |
| **Degree** | **Name of Institution****and Department** | **Period of Study**(month/year – month/year) |
| MD | Ural State Medical University (former Sverdlovsk State Medical Institute, USSR), Yekaterinburg (Sverdlovsk), Russian Federation | 9/1976 – 6/1982 |
| MPH | School of Public Health, Hebrew University of Jerusalem, Jerusalem | 10/1993 – 6/1996 |

### Post-Doctoral Studies

None

## Academic Ranks and Tenure in Institutes of Higher Education

|  |  |  |
| --- | --- | --- |
| **Rank/Position** **Percent part time** | **Name of Institution and Department** | **Period**(month/year – month/year) |
| Fellow Lecturer | University of Haifa, Faculty of Social Welfare and Health Sciences, School of Public Health | 10/2004 **–** 9**/**2009 |
| Lecturer)Specialist Track) | University of Haifa, Faculty of Social Welfare and Health Sciences, School of Public Health | Since 9/2009 |

## Offices in Academic Administration

|  |  |  |
| --- | --- | --- |
| **Role** | **Name of Institution and Department** | **Years** |
| Head of the Environmental and Occupational Health study program | Faculty of Social Welfare and Health Sciences, School of Public Health, University of Haifa  | 10/2013**–** 9/2015 |

## Scholarly Positions and Activities outside the University

|  |  |  |
| --- | --- | --- |
| **Position** | **Memberships in Academic/Professional Associations** | **Years** |
| Active member | The Israel Medical Association | Since 1992 |
| Board Certified Specialist | The Public Health specialization, Israel Medical Association | Since 1996 |
| Active Member | The Israel Association of Public Heath Physicians, Israel Medical Association | Since 2000 |
| Board Certified Specialist | The Medical Health Administration specialization, Israel Medical Association | Since 2017 |
|  |  |  |
| **Position** | **Other Relevant Positions and Activities on National Level** | **Years** |
| Scientific Manager | The study group of “Health Monitoring on Hadera Power Plant Effects”, Ministry of Health and Ministry of the Environmental Protection | 2001– 2006 |
| Board Member | The steering committee of “Recommendation for Israeli General Population at Extreme Air Pollution/Weather Events, Ministry of Health and Ministry of Environmental Protection  | 2003–2007 |
| Board Member | The advisory committee of "Air Pollution and Traffic", Prime Minister's Office | 2004–2007 |
| Board Member | The advisory committee of "Air Pollution in Haifa's Bay Area", Israel Institute of Technology (Technion, Shmuel Neamann Institute), Ministry of Health and Ministry of Environmental Protection | 2006–2008 |
| Board Member | The Steering committee of "Moving of Haifa's Bay Area Enterprises", Ministry of National Infrastructures and Prime Minister's Office | 2007–2008 |
| Chairman | The Steering committee of the establishment of environmental health monitoring in Haifa Bay Area, Ministry of Health, Ministry of Environmental Protection, School of Public Health University of Haifa, and Coalition for Public Health (NGO).  | 2009 –2012 |
| Board Member | The Steering Committee of "Air Clean Act”, Ministry of Health. | Since 2010 |
| Board Member | The Steering Committee of "Health Impact Assessment of Phosphate Mining on Arad's Population”, Ministry of Health and Ministry of Environmental Protection  | 2012 –2015  |
| Chairman | The scientific steering committee of environmental health studies in Haifa's sub-district. Ministry of Health and Ministry of Environmental Protection  | 2013 –2016 |
| Board Member | The Steering Committee on updating of National regulations on water safety, Ministry of Health, Ministry of Environmental Protection, The Hebrew University of Jerusalem,  | Since 2014 |
| Chairman | The Advisory Committee of "Environmental Epidemiology”, Public Health Services, Ministry of Health  | Since 2018 |
| Board Member | The Inter-Ministerial Committee for the Promotion and Development of Haifa Bay, chaired by the National Economic Council (Government approval of the decision-makers' proposal, 9/2020) | \*Since 2020 |
|  |  |  |
| **Position** | **Other Relevant Positions and Activities on International Level**  | **Years** |
| The nominated representative of the Ministry of Health  | The member of WHO Task Force on Health Effects of Long-range Transboundary Air Pollution”, World Health Organization, European Centre of Environmental Health , WHO Europe, Bonn, Germany | Since 2014 |

## Conferences / Invited Lectures / Seminars(**last 10 years or more**)

### Participation in International Conferences

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Role** | **Subject of Lecture/Discussion** | **Place of Conference** | **Name of Conference** | **Date** |
| Plenary Moderator National Asbestos profiles session  | Multiple exposures and environmental risks factors | WHO European Center for Environment and Health, Bonn, Germany | The World Health Organization (WHO Euro) workshop "Multiple exposures and risks: evidence review, knowledge transfer and policy implication" | October 2013 |
| Panel member  | Experts discussion | Dortmund,Germany | WHO Euro meeting of the Collaborating Centers for Occupational Health | October 2013 |
| Panel member  | Experts discussion | ECEH WHO, Bonn, Germany | The meeting of the Guideline Development Group: “WHO Community Noise Guidelines for European Region” | November 2013 |
| **Oral presentation (invited speaker)** | Oral presentation “Monitoring and modelling of air pollution and health in Israel” | ECEH WHO, Bonn, Germany | The World Health Organization (WHO, Euro), 17th Meeting of the “Task Force on the Health Aspects of Air Pollution” | May 2014 |
| Panel member  | Health Impacts of Particulate Matter and Ozone; Communication and Public Health Messages for Air Pollution | ECEH WHO, Bonn, Germany | The World Health Organization (WHO, Euro), 18th Meeting of the “Task Force on the Health Aspects of Air Pollution” | April 2015 |
| **Oral presentation (invited speaker)** | Soil contamination by sVOC from Industrial Waste Sites and Potential Health Risks | ECEH WHO, Bonn, Germany | The World Health Organization (WHO, Euro), European Environment and Health Task Force, “Waste and human health: evidence and needs” | November 2015 |
| Panel member  | International policies and processes on air quality and health; Review of the progress in research of health impacts of air pollution; AirQ+ software training | ECEH WHO, Bonn, Germany | The World Health Organization (WHO, Euro), 19th Meeting of the “Task Force on the Health Aspects of Air Pollution” | May 2016 |
| **Key Note speaker** | Organization of National Cancer Registry in Low and Middle Income Countries  | UNFPA Ashgabat, Turkmenistan | United Nations Population Fund (UNFPA)  | September 2016 |
| **Co-chair** | European Air quality guidelines update, global burden of diseases estimation process, communication strategies on air quality in Europe  | ECEH WHO, Bonn, Germany | The World Health Organization (WHO, Euro), 20th Meeting of the “Task Force on the Health Aspects of Air Pollution” | May 2017 |
| Panel member  | National /international policies/ on air quality and health, Global Air quality guidelines update, communication strategies on air quality  | ECEH WHO, Bonn, Germany | The World Health Organization (WHO, Euro), 22nd Meeting of the “Task Force on the Health Aspects of Air Pollution” | \*May 2019 |
| Panel member  | Global Air quality guidelines update, communication strategies on air quality, national strategics on improving of air quality  | ECEH WHO, Bonn, Germany(video conference) | The World Health Organization (WHO, Euro), 23rd Meeting of the “Task Force on the Health Aspects of Air Pollution” | \*May 2020 |

### Participation in Local Conferences

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  **Role** | **Subject of Lecture/Discussion** | **Place of Conference** | **Name of Conference** | **Date** |
| Oral presentation | Effect of environmental pollution on cancer morbidity | Kfar Maccabiah, Ramat Gan, Israel | The Israel Center for Disease Control (ICDC) Annual Conference: "Cancer in Israel, Exposures and Prevention” | December 2003 |
| Oral presentation and Panel member | Health Monitoring on Hadera Power Plant Effects. Results 1996 – 2005 | Barzilai Medical Center, Ashkelon, Israel | The Scientific Conference of Ministry of Health and Ministry of the Environmental Protection "Energy creation, Air Pollution and Health” | May 2008 |
| Oral presentation and Panel member | High Prevalence of Childhood Asthma in Northern Israel is linked to Air Pollution and Obesity  | Hadassah Hebrew University, Jerusalem, Israel | The Israeli Public Heath Physicians Annual Conference "Disease without Borders, Global and Regional Aspects of Health” | February 2010 |
| Oral presentation and Panel member | The Effect of Air Pollution on Cardiovascular Disease. Developing a Research Agenda in Israel | Herzliya, Israel | The Israeli Environmental Health Fund international conference "Air Pollution and Cardiovascular Diseases” | November 2010 |
| Plenary session member | Progress in the implementation of the Parma Declaration on Environment and Health; Strategic partnerships for the European Environment and Health Process | Haifa, Israel | The High Level mid-Term Review Meeting of World Health Organization (WHO, Euro), “European Environment and Health Task Force" | April 2015 |

## Invited Scholarly Lectures (other than in conferences)

### c.1. Abroad

None

### c.2. In Israel

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Role** | **Subject of Lecture/Discussion** | **Place of Lecture** | **Name of Forum** | **Date** |
| **Oral presentation (invited speaker)** | "Environmental Health Studies in Haifa Great Metropolitan Area (HGMA) and future challenges"  | Haifa, Israel | Coalition of Public Health, Environment and Health Fund of Israel | February 2011 |

## Colloquium or Seminar Talks

None

### Organization of Conferences or Sessions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Role** | **Subject of Conference** | **Place of Conference** | **Name of Conference** | **Date** |
| **Member of the organizing committee/session** "National Asbestos profiles" | Multiple exposures and environmental risks factors | WHO European Center for Environment and Health ECEH WHO, Bonn, Germany | The World Health Organization (WHO Euro) workshop "Multiple exposures and risks: evidence review, knowledge transfer and policy implication" | October 2013 |
| **Member of the organizing committee** | Occupational Health Services in Europe  | The German Federal Institute for Occupational Safety and Health (BAuA), Dortmund, Germany | The World Health Organization, (WHO Euro) meeting of the Collaborating Centers for Occupational Health | October 2013 |
| **Member of the steering** **committee**/ **organization of session** "Scoping paper"  | Updating process of Community Noise Guidelines for European Region | WHO European Center for Environment and Health ECEH WHO, Bonn, Germany | The World Health Organization, (WHO Euro) meeting of the Guideline Development Group: “WHO Community Noise Guidelines for European Region”  | November 2013 |
| **The organization of posters** **session**  | Epidemiological and environmental studies in Israel  | Kfar Maccabiah Convention Center, Ramat Gan, Israel | The Annual Conference of the Association of Public Health Physicians and Schools of Public Health in Israel “Health Knows No Borders” | June 2015 |
| **Member of the organizing committee and Keynote lecturer**: The organization of national cancer registry in Turkmenistan"  | Cervical cancer and organization of National Cancer Registry in Turkmenistan  | UNFPA Ashgabat, Turkmenistan | United Nations Population Fund (UNFPA)  | September 2016 |
| **Member of the organizing committee** | In practice – community studies performed by Schools of Public Health and Ministry of Health  | University of Haifa, Ministry of Health, Haifa, Israel | The Theory meets practice. The conference of Schools of Public Health and Public Health Services of ministry of Health | \*March 2020Postponed to 2/2023 |

## Research Grants

### Grants Awarded

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  **Relevant Publications** | **Amount** | **Funded by**  | **Title**  | **Other Researchers****(Name & Role)** | **Role in Research** **(PI, Co-PI, CI)** | **Years** |
| Presented onThe World Health Organization conference “Waste and human health: evidence and needs”, Bonn, Germany, 2015 | 200,000 NIS(100,000)NIS | Ministry of Health | "Feasibility study on soil contaminant for evaluation and of population's exposure to airborne contaminants in Ramat Hovav area". | PI- Prof. M. Barchana,PI - Prof. B. Portnov | Co-PI | 2008 |
| The study is canceled by MoH steering committee | 1,300,000(130,000) NIS | Ministry of the Environmental Protection | Individual biomonitoring of exposure to environmental contaminants in Jewish and Arab schoolchildren in Haifa Bay area | PI -Prof. Y. Finkelstain,PI - Prof. S. Ben-ShabatPI- Prof. A. Sintov | Co-PI | 2018 |

### Submission of Research Proposals - Pending

None

### Submission of Research Proposals – Not funded

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  **Years** | **Funds requested from** | **Title**  | **Other Researchers****(Name & Role)** | **Role in Research** |
| 2009 | National Institute of Health Policy and Health Services Research, Israel (NIHP) | "Evaluation of the economic burden of pediatric asthma in Haifa sub-district according to local air pollution levels and socioeconomic state" | PI- Prof. B. Portnov Prof.,Co-PI - Dr. Khaled Karkabi | Co-PI |
| 2015 | European Commission, Horizon 2020 - Research and Innovation Framework Programme | “PATHwayS to health for populations in or close to contaminated sites: integrated action to promote health and prevent disease” | Co-PI – Prof. B. Portnov; and 14 different European academic and research institutions | Co-PI |
| 2021 | European Commission, Horizon Europe - HTLH-2021- ENVHTLH-02 Proposal 101057697 — STUDIA | STUDIA Project (**STUD**ying **I**ndoor **A**ir pollutant behavior for enhanced regulation and establishment of IoT-based mitigation strategies towards toxic-free indoor environments); Lead role in WP5: "Quantitative assessment of the relationship between IAQ and the health of building occupants on the basis of a clinical study with 140-150 participants, based on biological tests of hair" | PI – Prof. Konstantin Kovler, Technion, Haifa and 12 different European academic and research institutions | \* Co-PILead role in WP5 |

## Scholarships, Awards and Prizes

None

## Teaching

### Courses Taught

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number of Students** | **Level** | **Type of Course****Lecture/Seminar/****Workshop/ Online Course/ Introduction Course (Mandatory)** | **Name of Course** | **Years** |
| **90** | **M.P.H**.  | Lectures (mandatory) | Environmental Health | 2005 – 2009 |
| **10 - 12** | **M.P.H and M.A.**  | Seminar (selective) | Use of Geographic Information Systems (GIS) in the Analysis of Health Data | 2008 – 2009 |
| **30** | **M.P.H.**  | Seminar (mandatory) | Analyzing epidemiological data | 2009 – 2016 |
| **14 - 20** | **M.P.H and M.A.**  | Lectures (mandatory for occupational and environmental program) | Environmental Epidemiology and GIS methods | Since 2009 |

### Supervision of Graduate Students (for Full Professor – only last 10 years)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of Student** | **Name of Other Mentors** | **Title of Thesis** | **Degree** | **Year of Completion /****in Progress** | **Student’s Achievements** |
| **Master’s Students** |
| Carmit Shmueli | Prof. S. Linn Dr. M. Barchana | The effect of passive smoking on lung function in school children living near Hadera power station | MPH, Faculty of Social Welfare and Health Sciences, School of Public Health, University of Haifa | 2006  |  |
| Lani Ofri | Prof. M. Barchana, Prof. O. Baron Epel | Living near main roads and the effects on respiratory functions in children | MPH, Faculty of Social Welfare and Health Sciences, School of Public Health, University of Haifa | 2007 |  |
| Tamar Yogev-Baggio | Prof. B. Portnov, Prof. R. CarelProf. M. Barchana | Evaluation of the Effects of Air-Pollutants on Respiratory Diseases in Israel Using Individual Exposure Estimates | MA, Faculty of Management, Department of Natural Resource & Environmental Management, University of Haifa | 2008 | Publication # 10 |
| Hanna Akons | Prof. S. Rishpon,Prof. M. Barchana,Prof. B. Portnov | The Relationship between Exposure to Traffic Air Pollution During Pregnancy and Growth Indices of Newborns in Haifa sub-district, 2007-2009 | MPH, Faculty of Social Welfare and Health Sciences, School of Public Health, University of Haifa | 2011 |  |
| Dikla Ofir | Prof. O. Baron Epel,Prof. R. Endvelt | The relationship between school environment and childhood obesity in Haifa | MPH, Faculty of Social Welfare and Health Sciences, School of Public Health, University of Haifa | 2013 | Publication # 19 |
| Hitam Dalashe | Prof. B.Portnov | Assessment of Potential Health Hazards from the Asphalt Facility in the Buaina village, North Israel  | MA, Faculty of Management, Department of Natural Resource & Environmental Management, University of Haifa | 2017 |  |
| Hila Yitzhak | Prof Shai Linn, Dr. Ilana Koren | The possible association between air pollution and the incidence of type 1 diabetes mellitus in children under 18 - from 2012 to 2016 in Israel | MPH, Faculty of Social Welfare and Health Sciences, School of Public Health, University of Haifa | 2019 |  |
| **Ph.D. Students** |
| Marina Zusman | Prof. B. Portnov, Prof. M. Barchana | Estimating cancer risk attributed to living in proximity to large petroleum storage tanks | PhD, Faculty of Management, Department of Natural Resource & Environmental Management, University of Haifa | 2013 | Publications # 14 ; 18Post-doctoral study in University of Washington, Seattle, USA |
| \*Alina L. Svechkina  | Prof. B. Portnov, | Spatial identification of environmental hazards associated with adverse health outcomes: A systematic areal search approach | PhD, Faculty of Management, Department of Natural Resource & Environmental Management, University of Haifa | 2019 | Publication # 20 |
| **Post-Doctoral Fellows** |
|  |  |  |  |  |  |

## Miscellaneous

**Professional Experience**

|  |  |  |
| --- | --- | --- |
| **Years** | **Name of Institution** | **Position** |
| 1983 – 1988 | Public Health Services, Yekaterinburg (form. Sverdlovsk), Russia | Epidemiologist |
| 1989 – 1991 | Department of Epidemiology, Public Health Services, Nizhniy Tagil, Russia | Director |
| 1992 – 1996 | Haifa District Health Office, Ministry of Health, Haifa, Israel | Resident in Public Health |
| 1996 – 2000 | Haifa District Health Office, Ministry of Health, Haifa, Israel | Senior Public Health Physician |
| Since 2000 | Haifa District Health Office, Ministry of Health, Haifa, Israel | Deputy District Health Officer |
| 2013 | Environmental Exposures and Risk Program, World Health Organization, European Center for Environment and Health, Bonn, Germany | Technical Officer (Senior Professional Adviser) |
| 2014 – 2017  | Ministry of Health, Jerusalem | Resident in Medical Administration |
| \*2020 – 2022 | Haifa District Health Office, Ministry of Health, Haifa, Israel | **Leading role in epidemiological investigations, decision making process in implementation of preventive measures, dissemination of information and recommendations on district level during COVID-19 pandemic** |

**Membership in Governmental and International Delegations**

|  |  |  |
| --- | --- | --- |
| **Years** | **Name and Place of Committee/Delegation** | **Position** |
| January 2005  | The Israeli governmental delegation "Assistance for tsunami disaster". Ministry of Foreign Affairs. Krabi, Thailand | The Medical/Public Health Adviser |
| May 2006 | The Israeli governmental delegation "Israel's Day in Russia". Ministry of Immigrant Absorption / Jewish Agency for Israel. Ekaterinburg, Russian Federation | The Representative of the Ministry of Health |
| September 2006 | The World Health Organization delegation (Strategy for Strengthening and Reforming Public Health Services in Kyrgyz Republic); Bishkek, Kyrgyz Republic.  | The Representative of the Ministry of Health, Member of WHO Europe Working Delegation |
| September 2014 | The Israeli governmental delegation “Warm Heart”: Assistance for population affected for flood disasters in North Bulgaria. Ministry of Foreign Affairs. Bulgaria | The Representative of the Ministry of Health |

**Part 2 - List of Publications: instructions**

* Begin this part on a new page.
* Make sure that each publication is accurately reported under the appropriate heading.
* Complete bibliographical details should be entered including the name of the article as it appears on the publication, the complete title of the journal or publication (do not use abbreviations), volume, pages and year.
* The names of all the authors of the publication must be stated in the order in which they appear in the publication. Highlight your name in bold font for all publications listed.
* If one of the co-authors is/was your student, indicate by adding # next to his / her name (for example: #Cohen, M.).
* In order for a book or scientific article to be considered as accepted for publication it must fulfill the following conditions:
	+ The complete manuscript has been approved for publication in its current form and does not require any additional changes.
	+ The editor or publisher has provided a letter unequivocally confirming that the manuscript has been accepted for publication in its current version.
* The publications in each section should be numbered and listed in ascending chronological order (from earliest to latest). Publications that have been "accepted" should be numbered sequentially among the "published publications".
* The following data should be provided for each listed article[[1]](#footnote-1):
	+ Citation index accepted by the department and approved by the Rector (e.g. Impact Factor (IF) according to the ISI (JCR), MCQ according to the MathSciNet, etc.) for the relevant year of publication in fields where it is commonly accepted.
	+ Journal ranking in the field[[2]](#footnote-2) (R) (e.g., 3/54) and the quartile or ranking (Q) (e.g., Q1, Q2) during the year in which the article was published and in accordance with the source accepted by your department and approved by the Rector (e.g., JCR, SJR, MathSciNet, W&L LJR, etc.). When no other indices are available, indicate “V” if the journal appears in the Council for Higher Education listings.
	+ You may include any other rating/index relevant to your area of study.
* If a publication is not written in English, specify the language in parentheses following the details of the publication.
* When a publication appears in different publication platforms or editions or in a different language, list it as a sub-item of the original publication (e.g., 8a, 8b, 8c), which should be inserted slightly to the right.
* When an article is also published as a chapter in a book, note this in both sections and write in parentheses: "See also ..." or "appears also as...".
* When an article in a peer-reviewed journal is based on a previously published conference paper, note and refer to this in both sections.

# PART B: PUBLICATIONS

Indicate your H-index and Citation index (without self-citations). In the absence of citations in the ISI (JCR), preference is given to Scopus (SJR) and/or Google Scholar. In disciplines in which a different citation index (e.g. MathSciNet) is internationally accepted, the number of citations from this index should be noted.

Specify the sources you have used.

|  |  |  |
| --- | --- | --- |
| **H-index:**  | **10** | **Source:** Scopus |
| **Citation index:** | 17.4 | **Source:** ISI |
| **ORCID number:** | 0000-0003-4538-9403 |
| **Google Scholar link:** |  |

## Ph.D. Dissertation

None

**Notes for the following chapters**

**For joint publications:**

1. The order of the listed authors is according to their relative contribution (unless otherwise specified).
2. The authors contributed equally (unless otherwise specified).
3. First author is the main contributor, last author is usually the group head; the rest appear according to their relative contribution (unless otherwise specified).

**Abbreviations:**

I.F. = Impact Factor (Add name of source & Year article published).

R = Ranking (Add name of source & Year article published in most relevant field)

Q = Quartile (Add name of source & Year article published in most relevant field).

V = Vatat List (The Council for Higher Education) – when no other indices are available.

# = Student under my supervision.

## = A student (not under my direct supervision).

## Scientific Books (Refereed)

### Authored Books

None

### Monographs

None

### Edited Books and Special Journal Issues

None

## Articles in Refereed Journals

1. **Dubnov** **J**., Rubin L., Rishpon S. 2004. Is there an Association between Shigellosis Incidence and Socioeconomic status in Metropolitan Haifa. ***American Journal of Infection Control***; 32(5):274– 277. (**IF (2004)= 2.554; R = 167/489 in Public, Environmental & Occupational Health (Q1); cited by SCOPUS =1 (2022)**)
2. Guttman-Yassky E., Kra-Oz Z., **Dubnov** **J**., Friedman-Birnbaum R., Segal I., Zaltzman N., Roth T., Schwartz F., Linn S., Rozenman D., David M., Silbermann M., Barchana M., Bergman R., Sarid R. 2005. Infection With Kaposi’s Sarcoma–Associated Herpesvirus Among Families of Patients With Classic Kaposi’s Sarcoma**.** ***JAMA Dermatology*** (form. ***Archives of Dermatology)***; 141(11):1429 – 1434. (**IF (2005) = 4.163; Rank (2018) = 25/128 in Dermatology, (Q1); cited by SCOPUS =18 (2022**))
3. Guttman-Yassky E., **Dubnov** **J**., Kra-Oz Z., Friedman-Birnbaum R., Silbermann M., Barchana M., Bergman R., Sarid R. Classic Kaposi sarcoma. 2006. Which KSHV-seropositive individuals are at risk? ***Cancer***; 106(2):413 – 419. (**IF (2006) = 5.309; Rank = 44/320 in Oncology (Q1); cited by SCOPUS =25 (2022**))
4. **Dubnov** **J**., Barchana M., Rishpon S., Leventhal A., Segal I., Carel R., Portnov B. A. 2007. Estimating the effect of air pollution from a coal-fired power station on the development of children's pulmonary function. ***Environmental Research***; 103: 87– 98. (**IF (2007) = 3.224 , Rank = 11/192 in General Environmental Science (Q1); cited by SCOPUS = 36 (2022**))
5. **Dubnov** **J**., Hefer E., Rubin L., and Rishpon S. 2007. A Change in Rabies Postexposure Treatment Guidelines after Decision Analysis in Israel. ***European Journal of Public Health***; 17(1): 92–97. (**IF (2007) = 1.918, Rank = 94/489 in Public, Environmental & Occupational Health (Q2); cited by SCOPUS = 6 (2022**))
6. Portnov B.A., **Dubnov** **J**., Barchana M. 2007. On Ecological Fallacy, Assessment Errors Stemming from Misguided Variable Selection, and the Effect of Aggregation on the Outcome of Epidemiological Study. ***Journal of Exposure Science and Environmental Epidemiology***; 17(1): 106–121. (**IF (2007) = 3.185, Rank = 53/489 in Public, Environmental & Occupational Health (Q1); cited by SCOPUS = 55 (2022**))
7. Rubin L., Hefer E., **Dubnov** **J**., and Rishpon S. 2007. An Evaluation of the Efficacy of the National Immunization Program for Hepatitis B. ***Public Health***, Jul; 121(7):529–533. (**IF (2007) = 1.189, Rank = 176/489 in Public, Environmental & Occupational Health (Q2); cited by SCOPUS = 5 (2022**)).
8. Portnov B.A., Barchana M., **Dubnov** **J**. 2009. Exploratory Analysis of Potential Risk Factors of a Rare Disease: Spatial Distribution of Adrenocortical Carcinoma in Israel as a Case Study. ***Science of the Total Environment***; 407: 1738–1743. (**IF (2009) = 3.143 , Rank = 5/118 in Environmental Engeneering (Q1); cited by SCOPUS = 1 (2022**))
9. Portnov B.A., **Dubnov** **J**., Barchana M. 2009. Studying the Association between Air-Pollution and Lung Cancer Incidence in a Large Metropolitan Area Using a Kernel Density Function. ***Socio-Economic Planning Sciences***. 43 (209): 141–150 (**IF (2009)= 1.528, Rank = 70/629 in Geography, Planning and Development (Q1); cited by SCOPUS = 38 (2022**))
10. **(#)** Yogev-Baggio T., Bibi H., **Dubnov** **J**.**,** Barchana M., Or-Chen K., Carel R. and Portnov B. A. 2010. Who is affected More by Air Pollution – Sick or Healthy? Some Evidence from a Health Survey of Schoolchildren Living in the Vicinity of a Coal-Fired Power Plant in Northern Israel. ***Health and Place***. 16 (2): 399-408. (**IF (2010) = 3.44, Rank = 7/247 in Social Science (Health) (Q1); cited by SCOPUS = 25 (2022**))
11. **Dubnov** **J** ., Kassabri W., Bishara B., Rishpon S. 2010. Influenza vaccination coverage determinants among employees of the Nazareth Hospital, Israel. ***Israel Medical Assosiation Journal***, 12: June: 338-341. (**IF (2010) = 1.239** **, Rank = 180/549 in General Medicine (Q3); cited by SCOPUS = 8 (2022**))
12. Eitan O., Yuval, Barchana M., **Dubnov J.,** Linn S., Carmel Y., Broday D.M.2010. [Spatial analysis of air pollution and cancer incidence rates in Haifa Bay, Israel.](http://www.ncbi.nlm.nih.gov/pubmed/20630566) ***Science of the Total Environment***; 408(20):4429-39 (**IF (2010) = 3.471, Rank = 5/118 in Environmental Engeneering (Q1); cited by SCOPUS = 45 (2022**))
13. Portnov B.A., Reiser B., Karkabi K., Cohen-Kastel O., **Dubnov** **J**. 2012. [High prevalence of childhood asthma in Northern Israel is linked to air pollution by particulate matter: evidence from GIS analysis and Bayesian Model Averaging.](http://www.ncbi.nlm.nih.gov/pubmed/22077820) ***International Journal of Environmental Health* *Researc****h*. Jun;22(3):249-69. (**IF (2012) = 2.563, Rank = 164/489 in Public, Environmental & Occupational Health (Q2); cited by SCOPUS = 33 (2022**))
14. **(#)** Zusman M., **Dubnov** **J**., Barchana M., Portnov B.A. 2012. Residential Proximity to Petroleum Storage Tanks and Associated Cancer Risks: Double Kernel Density Approach vs. Zonal Estimates.***Science of the Total Environment***. Nov; 441:265-276 (**IF (2012) = 3.861, Rank = 5/118 in Environmental Engeneering (Q1); cited by SCOPUS = 26 (2022**))
15. Amster E.D., (##)Haim M., **Dubnov** **J.**, Broday D.M. 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) ***Environmental Pollution***. Mar;186:20-8 (**IF (2014) = 4.863, Rank = 10/116 in Environmental Sciences (Health, Toxicology and Mutagenesis) (Q1); cited by SCOPUS = 31 (2022**))
16. Wagman S., Rishpon S., Kagan G., **Dubnov** **J**., Habib S. 2014 Variables Correlated with Elderly Referral from Nursing Homes to General Hospitals. ***Israel Journal of Health Policy Research***. Jan 23;3(1):2 (**IF (2014)= 1.408, Rank = 133/224 in Health Policy (Q3); cited by SCOPUS = 2 (2022**))
17. German A., Livshits G., Peter I., Malkin I., **Dubnov** **J**., Akons H., Shmoish M, Hochberg Z. 2015. Environmental rather than genetic factors determine the variation in the age of the infancy to childhood transition: a twins study. ***Journal of Pediatrics***, 2015 Mar;166(3):731-5, (**IF (2015) =** **3.075, Rank = 42/276 in Pediatrics, Perinatology and child Health (Q1); cited by SCOPUS = 9 (2022**))
18. (##) Davarashvili S., Zusman M., Lital Keinan-Boker, Kaufman Z., Silverman B.G, **Dubnov** **J**., Linn S. and Portnov B.A. Application of the double kernel density approach to the analysis of cancer incidence in a major metropolitan area. ***Environmental******Research,*** 2016 Oct;150:269-81 . (**IF (2016) = 4.17 , Rank = 11/192 in General Environmental Science (Q1); cited by SCOPUS = 5 (2022**))
19. **(#)** Ofir-Birman D., **Dubnov** **J**., Endevelt R., Baron-Epel O. The built environment and chilhood obesity in Haifa***. Horizons in Geography***, University of Haifa, 2016; The Built Environment, volume num. 89; 84-95 [in Hebrew] (IF=n/a, Rank=n/a; **V**).
20. **\*(#)** Svechkina A., **Dubnov** **J**., Portnov B.A. 2018. Environmental Risk Factors Associated with Low Birth Weight: The Case Study of the Haifa Bay Area in Israel. ***Environmental******Research*** . 2018. 165; 337-348. (**IF (2018) = 4.994; Rank = 11/192 in General Environmental Science (Q1); cited by SCOPUS = 10 (2022**))
21. \*(##) Flugelman A.A., **Dubnov** **J**., Jacob L., Stein N., Habib S., Rishpon S. 2019. [Epidemiologic Surveillance in Israel of Cryptosporidium, a Unique Waterborne Notifiable Pathogen, and Public Health Policy.](https://www.ncbi.nlm.nih.gov/pubmed/31542902) ***Israel Medical Assocciation Journal***. 2019 Sep;21(9):589-594. (**IF (2018) = 0.942** **, Rank = 180/549 in General Medicine (Q3); cited by SCOPUS = 3 (2022**))
22. \*(##) Greenberg N., Carel R.S., , **Dubnov J**., Derazne E., and Portnov B.A. Prevalence of Asthma Among Young Men Residing in Urban Areas with Different Sources of Air Pollution. ***Israel Medical Assosiation Journal***, 2019. Dec;12 (21):785-789. (**IF (2018) = 0.942** **, Rank = 180/549 in General Medicine (Q3); cited by SCOPUS = 3 (2022**))
23. \*(##) Raz-Steinkrycer L.S., **Dubnov** **J**., Gelberg S., Jia P., Portnov B.A. ELF-MF Exposure, Actual and Perceived, and Associated Health Symptoms: A Case Study of an Office Building in Tel Aviv-Yafo, Israel. ***Sustainability*** 2022, 14(17), 11065. (**IF (2022) = 3.889** **, Rank = 124/274 in Environmental Sciences (Q2), cited by SCOPUS = 0 (2022**))

##  Articles or Chapters in Scientific Books (Refereed)

1. Portnov B.A., **Dubnov** **J**., Barchana M. "On Ecological Fallacy, Assessment Errors Stemming from Misguided Variable Selection, and the Effect of Aggregation on the Outcome of Epidemiological Study", Chapter 10, In "**Air Pollution Research Advances**", Corin G. Bodine  (editor), Nova Science Publishers Inc., 2007, 221 – 245 pp.
2. **Dubnov J**., "Introduction in Modern Public Health" (chapter 1), "Noncommunicable diseases prevention" (chapter 3), "Environmental Health" (chapter 4), and "Surveillance prevention and control" (chapter 6) in "**Manual of Public Health**", Kasimov O., and Abdukarimov S. (editors.), Ministry of Health, Kyrgyz Republic, 2012, 274 pp, [in Russian].

##  Articles in Conference Proceedings

1. Broday D.M., Carmel Y., Eitan O., Linn S., Barchana M. **Dubnov** **J**. "Industrial emissions and excess cancer incidence in the Haifa bay region". Proceeding of the EUROHEIS/SAHSU Conference (A European Health and Environment Information System for Disease and Exposure Mapping and Risk Assessment/Small Area Health Statistics Unit), March 2003, Östersund, Sweden, page 86.
2. Rubin L.P., Hefer E., **Dubnov** **J**., Rishpon S. "An Evaluation of the Efficacy of the National Immunization Program for Hepatitis B". Proceeding of the 23rd Annual Meeting of European Society for Pediatric Infectious Diseases (ESPID), May 2005,Valencia, Spain.
3. **Dubnov** **J**., Hefer E., Rubin L., and Rishpon S. "A Change in Rabies Postexposure Treatment Guidelines after Decision Analysis in Israel". Proceeding of the 13th Congress of the Israeli Society for Quality in Health Care, 165 pp, June 2006, Tel-Aviv, Israel, page 22.
4. PortnovB.A., **Dubnov J** and M. Barchana. On Ecological Fallacy and Assessment Errors Stemming from Misguided Variable Selection: Implications for Regional Analysis. Proceeding of the International Workshop on Economy and Society in Space, Bar Ilan University, Israel, May 2006, pp. 32.
5. Portnov B.A., **Dubnov** **J**., Barchana M. "On Ecological Fallacy and Assessment Errors Stemming from Misguided Variable Selection: Investigating the Effect of Data Aggregation on the Outcome of Epidemiological Study". Proceeding of the 46th Congress of the European Regional Science Association (ERSA), August 2006, Volos, Greece.
6. **Dubnov** **J**., Karkabi K., Cohen-Kastel O., Barchana M., and Portnov B. A. "High Prevalence of Childhood Asthma in Northern Israel is linked to Air Pollution and Obesity". Proceeding of the Israeli Public Heath Physicians Annual Conference "Disease without Borders, Global and Regional Aspects of Health”, Hadassah Hebrew University Hospital, Februar 2010, Jerusalem, Israel.
7. Karkabi K., Cohen-Kastel O., **Dubnov** **J**., Barchana M., and Portnov B. A. "Air pollution and obesity - factors associated with a high prevalence rate of asthma in children in the region of Haifa". Proceeding of the Israeli Association of Family Physicians Annual Conference, March 2010, Beer Sheba, Israel. Abstract 3, Available at [http://www.medicalmedia.co.il/congresses /SummaryDetails.aspx](http://www.medicalmedia.co.il/congresses%20/SummaryDetails.aspx)? sumid=2843&congress\_id=104.
8. Green M., Carel R., Shohat T., Kabaha A., **Dubnov J**., Amster E., Weinstein N. "The Effect of Air Pollution on Cardiovascular Disease. Developing a Research Agenda in Israel". Proceeding of the Israeli Environmental Health Fund "Air Pollution and Cardiovascular Diseases", November 2010, Herzliya, Israel.
9. Zusman M., Barchana M., **Dubnov** **J**., Portnov . "Estimating Cancer Risk Attributed to Living in Proximity to the Haifa Bay Industrial Area: Double Kernel Density Approach vs. ASR Calculation". Proceeding of the 23rd International Society for Environmental Epidemiology (ISEE) conference, September 2011, Barselona, Spain, page 353.
10. Amster E.D., Haim M., **Dubnov** **J.**, Broday D.M. 2012. “[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)” Proceeding of the 23rd International Society for Environmental Epidemiology (ISEE) conference, August 26-30, 2012, Columbia, SC. Epidemiology, September, 23(5S), ISEE 2012 Conference Abstracts, E-050, S 49.
11. Paunovic E., Ivanov I., **Dubnov** **J**. 2013. “WHO priorities for workers’ health in Europe: Overview of the WHO Colaboration Centres meeting of the European region”. WHO Global Occupational Health Network (e-GOHNET), , November 2013 Edition., Newsletter 22, page 5. Available at <http://www.who.int/entity/occupational_health/publications/newsletter/GOHNET_Newsletter22_Nov2013.pdf>
12. Zastenskaya I., Braubach M., **Dubnov** **J**., Héroux ME., Paunovic E. “Endocrine Disraptors as Chemicals of the Public Health Concerns“ Proceeding of the Plenum of Ministry of Health of the Russian Federation and Scientific Council on Human Ecology and Environmental Health “Priorities for the public health and the sustainable development of the society: current status and ways forward”, December 2013, Moscow, Russia, page 7.
13. **Dubnov** **J**. “Radiation Safety in Health Care Settings, Israel Case Study”. Proceeding of the World Health Organization Euro (WHO Euro) Capacity building workshop for public health decision makers from EEC (Eastern European Countries), December 2013, Kyiv, Ukraine, page 5.
14. **Dubnov** **J**., Karakis I., Rishpon S., Grotto I. “Monitoring and modelling of air pollution and health in Israel”. Proceeding of the 17th Meeting of the Task Force on the Health Aspects of Air Pollution, the World Health Organization WHO, Euro meeting, May 2014, Bonn, Germany, (presentation num. 18)
15. **Dubnov** **J**. and Portnov B.A, “Soil Contamination by sVOC from Industrial Waste Sites and Potential Health Risks”. Proceeding of the meeting of experts of World Health Organization, (WHO Euro), “Waste and human health: evidence and needs”, November 2015, Bonn, Germany (presentation num. 15)

##  Entries in Encyclopedias **(reviewed)**

**Dubnov J**., Portnov B.A. and Barchana M. "Air pollution and development of children’s pulmonary function". In "**Encyclopedia of Environmental Health**", Vol. 1, Five-Volume Set, Jerome Nriagu (editor in chief), First edition, Elsevier, 2011, 17– 25 pp

##  Other Scientific Publications

1. Barchana M., **Dubnov** **J**., Segal I. "Respiratory conditions among schoolchildren in the vicinity of a coal-fired power plant in Hadera sub district in 1999". Research Report. Ministry of Health and Ministry of the Environment, Israel, February 2003. [In Hebrew].
2. **Dubnov** **J**., Rishpon S. "West Nile Fever in Haifa District in 2002 – 2003". Research Report, Haifa District Health Office, Ministry of Health, Israel, September 2004. [In Hebrew].
3. **Dubnov** **J**., Rishpon S. "Acute Gastrointestinal Diseases in Haifa District in 2003 – 2004". Research Report, Haifa District Health Office, Ministry of Health, Israel, August 2005. [In Hebrew].
4. Barchana M., **Dubnov** **J**., Koren N., Segal I. "Respiratory health symptoms and diseases among adults in Hadera sub district". Research report. Ministry of Health and Ministry of the Environment, Israel, December 2006. [In Hebrew].
5. Green M. S., Carel R., Shohat T., Kabaha A., **Dubnov** **J**., Weinstein N. "The Association of Air Pollution with Cardiovascular Disease & Asthma. Developing a Research Agenda in Israel". Scientific Report. School of Public Health, University of Haifa and Israel Center for Disease Control, Ministry of Health, June 2011.
6. Karakis I., **Dubnov** **J**., Berman T., Gdalevich M., Grotto I. 2011. "Link between air pollution and health findings. Review of current knowledge in Israel". Ministry of Health, Jerusalem, December 2011. [In Hebrew].
7. **Dubnov** **J**., Rishpon S. "West Nile Fever in Haifa District in 2001 – 2011". Research Report, Haifa District Health Office, Ministry of Health, Israel, July 2012. [In Hebrew].
8. **Dubnov J**. and Barchana M. “Sde Barir phosphate mining project - update review of health impact assesment”. Scientific Report, Ministry of Health, May 2013, Israel. [In Hebrew].
9. **Dubnov J**., Grotto I., Rishpon S., Karakis I. “Cancer morbidity in Haifa Bay Area”. Presented at the meeting of Ministry of Environmental Protection, Ministry of Health, and Municipality of Haifa “Environmental and health information and publications on Haifa Bay Area ”, January 2015, Haifa, Israel. [In Hebrew].

##  Other Works and Publications

1. **Dubnov** **J**. "Let breath quietly". Environment and Health bulleten 2011, November 2011. Environment and Health Fund, Jerusalem, Israel. [In Hebrew].
2. **Dubnov J**. “Environmental Health Studies in Haifa Bay Area: past, present, future”. Review report. Presented at the meeting of Ministry of Environmental Protection, Ministry of Health, Haifa District Municipal Association for Environmental Protection “Health and Environment: national vision, deal locally”, September 2012, Haifa, Israel. [In Hebrew].

##  Submitted for Publication

### Books

None

### Articles

None

### Chapters in Scientific collections/books

None

##  Publications in Preparation

### Articles

The role of social inequality - different pattern of morbidity and vaccination intake in Haifa district during 4 waves of COVID-19 pandemic.

1. If needed, the library provides assistance in retrieving these data. For further information, contact Ms. Orna Rosh (orna@univ.haifa.ac.il). [↑](#footnote-ref-1)
2. The general ranking for your discipline should be reported (e.g., 4/200). In the case of available sub-categories, you may also report these rankings (e.g., 4/20). [↑](#footnote-ref-2)