

TEMUULEN ENEBISH



EDUCATION

2020
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2014



PhD. Candidate, Epidemiology

University of Southern California

📍 Los Angeles, CA

- Investigating the impact of air pollution on stillbirth and congenital anomalies in Ulaanbaatar, Mongolia

2014
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2012



M.P.H., Environmental Health Sciences

University of South Carolina

📍 Columbia, SC

- Practicum project: Utilization of EPA's Benefits Mapping and Analysis Program (BenMAP) in South Carolina multipollutant pilot project
- Fulbright Scholarship Grantee
- Presented about Mongolia in elementary and middle schools in Columbia as a "Thinking Globally" ambassador

2009
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2003



M.B.B.S.

Mongolian National University of Medical Sciences

📍 Ulaanbaatar, Mongolia

- Graduated as a general practitioner.
- Multiple awards from annual student research conferences
- "Zorig" Foundation and Swiss Development Agency scholarship



RESEARCH EXPERIENCE

2020
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2018



Research Assistant

PIs: Dr Jill Johnston and Dr Shohreh Farzan

📍 University of Southern California

- Independently analyzed the adverse effect of living near urban oil wells on lung function in environmental justice communities in Los Angeles.
- Scraped data from Los Angeles area PurpleAir sensors and conducted exploratory analyses in comparison to reference monitors of EPA and highway distance.
- Analyzed particulate matter speciation data from Salton Sea area using Positive Matrix Factorization to ascertain emission sources.

2015
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2014



Research Assistant

PI: Dr Rima Habre

📍 University of Southern California

- Assisted with data collection, entry, and analysis on a project investigating the short-term effect of ultrafine particles on lung function among asthmatics.

CONTACT

✉ temuulen@gmail.com

🐦 [TemuulenE](#)

🔗 github.com/temuulene

🔗 [temuulen.name](#)

in linkedin.com/in/temuulen1

LANGUAGE SKILLS



Made with the R package
[pagedown](#).

The source code is available at
github.com/temuulene/cv.

Last updated on 2020-03-17.

2013
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2012



Research Assistant

Rothenberg Laboratory

📍 University of South Carolina

- Analyzed the levels of total and methylmercury in rice samples from multiple countries to look at the effect of mercury levels in rice consumption on reproductive and child health outcomes.

2007
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2005



Undergraduate Researcher

Central Immunology Laboratory, National Veterinary Research Institute

📍 Ulaanbaatar, Mongolia

- Conducted comparative analyses of Brucella detection by immunoassays and PCR in human peripheral blood
- Analyzed the rate of Brucella infection among Mongolian Reindeer people using immunoassays and PCR



PROFESSIONAL EXPERIENCE

2012
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2007



Managing Editor

"Innovation" Medical Journal

📍 Ulaanbaatar, Mongolia

- Managed daily activities of article submissions, editor communications, design and publication of the journal as a medical student.
- Led the redesign effort of the journal in its transition from annual conference journal to quarterly scientific journal.
- Served on the board of the Association of Mongolian Medical Journals and contributed to the establishment of Mongolmed.mn, a free database of Mongolian medical journal articles.⁷

2012
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2009



Project Assistant

WHO Representative Office in Mongolia

📍 Ulaanbaatar, Mongolia

- Managed administrative and financial aspects of the Mongolian Field Epidemiology Training Programme based in the National Center for Communicable Diseases.
- Developed and published the semi-annual newsletter of the programme.
- Contributed to the WHO mission in Mongolia by managing the publication of WHO representative office annual report.



TEACHING EXPERIENCE

2019



Health Behavior Research Methods

USC Health Promotion, Disease Prevention and Global Health Programs

📍 Los Angeles, CA

- TA and led the lab and review sessions.
- Covered statistical methods required to conduct health behavior research from start to finish

- 2019 ● **Data Analysis**
 USC Department of Preventive Medicine  Los Angeles, CA
- TA and led the lab and review sessions.
 - Covered analysis of categorical data and introduction to Stata for statistics.
 - Graduate level class
- 2019 ● **Introduction to Epidemiology: Methods and Applications**
 USC Health Promotion, Disease Prevention and Global Health Programs  Los Angeles, CA
- TA and led the lab and review sessions.
 - Covered basic principles of epidemiology with regards to real life applications.
- 2018 ● **Principles of Epidemiology**
 USC Department of Preventive Medicine  Los Angeles, CA
- TA and led the lab and review sessions in both in-class and online courses.
 - Covered wide ranging topics in epidemiology and scientific critique
 - Graduate level class
- 2018 ● **Health Behavior Statistical Methods**
 USC Health Promotion, Disease Prevention and Global Health Programs  Los Angeles, CA
- TA and led the lab and review sessions.
 - Topics covered from descriptive stats to parametric and non-parametric statistical methods
- 2018 ● **Principles of Biostatistics**
 USC Department of Preventive Medicine  Los Angeles, CA
- TA and led the lab and review sessions in both in-class and online courses.
 - Covered introduction to SPSS for statistics applications
 - Graduate level class



SELECTED PUBLICATIONS AND POSTERS

- 2020 ● **Predicting ambient PM_{2.5} concentrations in Ulaanbaatar, Mongolia with machine learning approaches**
 Under-Review (copy available upon request.)
- Authored with Khang Chau, Batbayar Jadamba, and Meredith Franklin.
 - Evaluation of six different machine learning algorithms in predicting ambient fine particulate matter in Ulaanbaatar, Mongolia

- 2020 ● **Respiratory Outcomes in an Environmental Justice Near Urban Oil Drilling**
Under-Review for ISEE 2020 (abstract copy available upon request.)
• Authored with Jill Johnston and Sandrah Eckel.
- 2020 ● **Investigating the acute effects of fine particulate matter on stillbirth risk in Ulaanbaatar, Mongolia**
Under-Review for ISEE 2020 (abstract copy available upon request.)
• Authored with Rima Habre, Carrie V. Breton, Nomindelger Tuvshindorj, Gantuya Tumor, David Warburton, and Meredith Franklin.
- 2019 ● **Ulaanbaatar, Mongolia's coal-driven air pollution crisis and its role on adverse birth outcomes²**
AGU Fall Meeting Abstracts
• Authored with Meredith Franklin and Khang Chau.
- 2018 ● **Using Multi-Angle Imaging SpectroRadiometer Aerosol Mixture Properties for Air Quality Assessment in Mongolia³**
Remote Sensing
• Authored with Meredith Franklin, Khang Chau, Olga V Kalashnikova, Michael J Garay, and Meytar Sorek-Hamer.
- 2018 ● **Short-term effects of airport-associated ultrafine particle exposure on lung function and inflammation in adults with asthma⁴**
Environment International
• Authored with Rima Habre, Hui Zhou, Sandrah P Eckel, Scott Fruin, Theresa Bastain, Edward Rappaport, and Frank Gilliland.
- 2018 ● **Source-specific air pollution derived from speciated ground-and space-based observations, and its role on adverse birth outcomes in Ulaanbaatar, Mongolia⁵**
AGU Fall Meeting Abstracts
• Authored with Meredith Franklin, Khang Chau, Olga V Kalashnikova, Michael J Garay, and Meytar Sorek-Hamer.
- 2017 ● **Intrauterine device use and cervical cancer risk: a systematic review and meta-analysis⁶**
Obstetrics & Gynecology
• Authored with Victoria K Cortessis, Malcolm Barrett, Niquelle Brown Wade, Judith L Perrigo, Jessica Tobin, Charlie Zhong, Jennifer Zink, Vanessa Isiaka, Laila I Muderspach, Melissa Natavio, and Roberta McKean-Cowdin.

LINKS

- 1: <http://mongolmed.mn/>
2: <https://agu.confex.com/agu/fm19/meetingapp.cgi/Paper/630465>
3: <https://www.mdpi.com/2072-4292/10/8/1317/pdf>
4: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6368339/>

- 5: <https://ui.adsabs.harvard.edu/abs/2018AGUFMGH11A..02F/abstract>
- 6: <https://www.bonasavoir.ch/files/cancerP5.pdf>