

# PAHRIYA ASHRAP (PAHELIYA AIXILAFU)

Email: pahriya@umich.edu • Address: SPH 6611 Cube 2 1415 Washington Heights Ann Arbor, MI 48109

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## EDUCATION

University of Michigan School of Public Health – Ann Arbor, MI

*Expected 2021*

*Doctor of Philosophy (Ph.D.) in Environmental Health Sciences*

Harvard T.H. Chan School of Public Health – Boston, MA

*Master of Science (M.S.) in Environmental Health*

*Aug 2015 – May 2017*

- Cumulative GPA: 3.94/4.0
- Program: Environmental Exposure, Epidemiology & Risk Assessment

College of Urban and Environmental Sciences, Peking University(PKU) – Beijing, China

*Sep 2011 – July 2015*

*Bachelor of Science in Environmental Science*

- Cumulative GPA: 3.5/4.0
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## RESEARCH EXPERIENCE

Graduate Research Assistant –University of Michigan School of Public Health – Ann Arbor

*Sept 2017 – present*

PI: Prof. John Meeker

- Conducted independent project: “In Utero and Peripubertal Metals Exposure in Relation to Reproductive Hormones and Sexual Maturation”

Graduate Research Assistant – Harvard T.H. Chan School of Public Health, Boston

*May 2016 – May 2017*

PI: Prof. Elsie Sunderland

- Conducted independent project: “the Analysis of Nutritional Modifiers of Methylmercury Uptake”
  - Compared dietary data and biomarkers of all frequent-fish consumers across multiple cohorts, including Nurse’s Health Study I
  - Used Hg isotope signatures of biomarkers to evaluate potential dietary recall
  - Conducted statistical analysis to elucidate potential food modifiers for reducing MeHg absorption

Graduate Research Assistant – Harvard T.H. Chan School of Public Health, Boston

*July 2016 – Sept 2016*

PI: Prof. Joel Schwartz

- Co-investigated “Meta-Analysis of the association between exposure to air pollution from traffic sources and cognition”
  - Compiled studies for meta-analysis from databases (Pubmed, Embase, Environmental Index, Web of Science) that met inclusion criteria.
  - Systematically reviewed selected articles and extracted data for the analysis

Undergraduate Research Assistant –Key Laboratory for Earth Surface Processes, Peking University *Jan 2013 – June 2015*

PI: Prof. Yi Wan

- Published paper: “Pathway Discovery of a Widespread Metabolic Pathway within and among Phenolic Xenobiotics”
  - Established methods for in vitro metabolism of Triclosan(TCS) in various species, including humans
  - Developed simultaneous analytical method for TCS and its metabolites on GC-MS and UPLC-QTOF-MS.

- Identified the biotransformation products of TCS responsible for the CAR activities and subsequent liver toxicities.

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## PUBLICATION SUBMISSION

**Ashrap, P., Zheng, G., Wan, Y., Li, T., Hu, W., Li, W., Zhang, H., Zhang, Z. and Hu, J., 2017. Discovery of a widespread metabolic pathway within and among phenolic xenobiotics. *Proceedings of the National Academy of Sciences*, p.201700558.**

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## WORK EXPERIENCE

**Instructor** – Ijtihat Education, Urumqi, China *May 2017 – July 2017*

- Taught Chinese high school mathematics on Ijtihat online education: <http://ijtihat.com/>

**Lecturer**– Qarluq Education Department at Qarluq Media Tech Co.,Ltd, , Urumqi, China *July 2017 – August 2017*

- Gave lectures on the application of Computer Science and Biostatistics in Public Health

**President**- Western Region's Culture Communication Association, Peking University, Beijing *Mar 2013- Sept 2014*

- Created PKU Minority (Uyghur) Mother-tongue Learning Group, taught Uyghur in weekly corner
- Organized lectures and film screenings about western region's culture
- Founded the first and second "Peking University Minority Ethnic Culture Festival" (2013, 2014)
- **Awarded top 10 Student Association at Peking University**

**Volunteer Teacher**- Volunteer Team of Peking University, Beijing *Mar - July 2012*

- Taught English and handwork classes in a school for children of migrant workers

**Volunteer and Journalist**- Xinjiang Yarp Anti-Drug and AIDS Prevention Network, Beijing *Sept 2008 – present*

- Participated in anti-drug and AIDS prevention campaigns and investigations
  - Translated anti-drug and AIDS prevention articles from Chinese to Uyghur and uploaded for bilingual website
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## MENTORING EXPERIENCE

**Yvonne Wu** Junior Student, University of Michigan School of Public Health

**Nuha Mahmood** Junior Student, University of Michigan School of Public Health

**Halimat Olaniyan** Junior Student, University of Michigan School of Public Health

**Kofoworola Onagbola** Master in Public Health, Harvard T.H.Chan School of Public Health *Aug 2017 – May 2017*

**Qianxin Gu** Master of Science, Harvard T.H.Chan School of Public Health *Aug 2017 – May 2017*

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## MEMBERSHIPS

Student Ambassador, University of Michigan School of Public Health *Sept 2017 – present*

Public Health Sustainability Initiative *Aug 2017 – present*

Michigan Women in Health Leadership *Aug 2017 – present*

Women in Leadership Organization in Harvard T.H. Chan School of Public Health *Sept 2015 – June 2016*

Harvard Chinese Students and Scholars Association (HCSSA)

*Sept 2015 – Mar 2016*

“Forest Song” Environmental Group in Peking University  
*Sept 2014*

*Mar 2012-*

Volunteer team of Peking University, Beijing

*Mar - June 2012*

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## HONORS & AWARDS

Victor and William Fung Fellowship, Harvard University

*June 2016*

Leslie Silverman Fund, Harvard T.H. Chan School of Public Health

*July 2016*

First Prize Winner in 2014 Annual Undergraduate Research, Peking University (Top 1)

*Oct 2014*

Tie Han Scholarship, Peking University (top 4%)

*Sept 2014*

Wusi Fellowship, Peking University (top 4%)

*Sept 2013*

First Prize Scholarship, Peking University



*Dec 2011*

Outstanding Volunteer, Xinjiang Yarp Anti-Drug and AIDS Prevention Network

*Aug 2011*

Ranked 1st in 2011 National Higher Education Entrance Examination, Xinjiang China

*Jun 2011*

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## SKILLS

**Languages:** Fluent in English, Uyghur (native), and Chinese (native). Basic knowledge of Turkish, Arabic

**Lab:** Solid-phase extraction, Column Chromatography, *In vitro* Metabolism, GC-MS, LC-MS, UPLC-QTOF-MS, DNA/RNA Extraction and Purification, PCR, RT-PCR, DNA Electrophoresis, Microbial Cultivation, Fish Dissection, DMA

**Computer:** R, SAS, STATA, SPSS, Graphpad Prism, Primer Premier, MarkerLynx, Masslynx, Unix/Linux, Microsoft Office, BMDS, Origin, Analytica

**Interests:** Table Tennis, Salsa, Zumba, Swimming, Yoga, Piano