

Shuchen Wang

University of Chinese Academy of Sciences

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EDUCATION

University of Chinese Academy of Sciences

09/2019 – 01/2024

Master of Basic Medicine in Pathology and Pathophysiology

GPA: 3.51/4.00

Research Direction: Molecular Epidemiology and Nutritional Epidemiology

Relevant Modules: Biomedical Statistics, Molecular Pathology, Operations Research, etc.

Shandong University of Science and Technology

09/2015 – 07/2019

Bachelor of Bioengineering

GPA: 3.63/5.00

Relevant Modules: Food Nutrition and Hygiene, Biostatistics, Biochemistry, Molecular and Cell Biology, etc.

PUBLICATION

Jia K, **Wang S (co-first author)**, et al. Breast Milk Rubidium and Other Trace Elements are Associated with Neurocognitive Development in Infants at Age of 8 Months. J Nutr 2022; 152(6): 1507-14.

PREPRINTS AND MANUSCRIPTS

Wang S, Feng Y, et al. Human milk erucic acid and infant executive functions. (Food & Function, Under Review)

Bi Y, **Wang S**, et al. Odd- and Branched-Chain Fatty Acids in Breast Milk and Neurodevelopment in Early Infancy (Food Chemistry, Under Review)

Bi Y, **Wang S**, et al. Epidemiology and risk factors of hysterectomy in China: A national-wide study with over 9 million women. (In submission)

RESEARCH INTEREST

- Exploring the impact of nutrients and dietary patterns on cognitive performance across the life span;
- Analyzing the role of nutrients in influencing ageing-related diseases;
- Investigating a dietary strategy aimed at reducing age-related cognitive decline;

RESEARCH EXPERIENCE

Master's project: Fatty acids in breast milk and infant neurocognitive development

01/2020 – 09/2023

- Conducted literature review on the relationships of breast milk fatty acids with infant neurocognitive development;
- Developed a research proposal focusing on investigating the relationships between breast milk n-9 monounsaturated fatty acids and infant executive functions;
- Conducted statistical analysis of the data using R software, including linear regression, restrict cubic spline regression, stratified analysis, etc.;
- Wrote and submitted the research paper;

Micronutrient in breast milk and infant neurocognitive development

09/2020 – 02/2022

- Conducted statistical analysis on the associations between minerals, trace elements in breast milk and infant neurocognitive development indexes, using linear regression, restricted cubic spline regression, and stratified analysis;
- Revised and published the paper on *The Journal of Nutrition* (DOI: 10.1093/jn/nxac054).

Epidemiology and risk factor of hysterectomy in China

07/2020 – 08/2022

- Conducted literature review on the epidemiology of hysterectomy and related diseases;
- Developed a research proposal to investigate the prevalence, incidence and geographic distribution of hysterectomy in China;
- Wrote the research paper;

DHA intake during pregnancy and gestational diabetes mellitus

10/2019 – 05/2020

- Extracted and detected fatty acids of erythrocytes using gas chromatography-flame ionization detection;

PROFESSIONAL SKILL

Professional Software: Proficient in R software for data analysis; Endnote for paper management, etc.;

Experimental Expertise: Experienced in the extraction and detection of fatty acids from diverse sample types;

Statistical Analysis Competencies: Adept in statistical analysis, including linear regression; restricted cubic spline regression, stratification analysis, etc.;

Scientific Abilities: Conducting thorough literature reviews; Identifying appropriate study population; Developing research proposals and methodologies; Proficiency in science popularization and academic presentation;

Language: IELTS (Total:7, Listening: 7.5, Reading: 8.5, Writing: 6.5, Speaking: 6.0);

HONOR

Award of merit student, University of Chinese Academy of Sciences

2020 - 2021

Award of merit student, Shandong University of Science and Technology

2016 - 2018

Third Prize in Mathematics competition of Chinese College Students

2017

ACTIVITY

“The benefits of NMN” presentation for nicotinamide mononucleotide Industry Forum

06/2023

Popular science activities for primary and secondary school students

06/2023

Volunteered for fighting against with SARS-CoV-2

03/2022 – 05/2022