

Professor Han-Bin Huang



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Education & Training

- Doctor of Philosophy, Institute of Life Sciences, National Defense Medical Center, Taipei, Taiwan, R.O.C. (9/2008- 6/2012)
- Master of Science, Division of Epidemiology, Institute of Public Health, National Defense Medical Center (NDMC), Taipei, Taiwan, R.O.C. (8/2001- 7/2003)
- Bachelor of Science in Public Health, Department of Public Health, National Defense Medical Center, Taipei, Taiwan, R.O.C. (8/1994- 7/1998)

Current & Previous Appointments

- Professor, School of Public Health, NDMC, Taipei, Taiwan, R.O.C. (12/2022-present)
- Associate Professor, School of Public Health, NDMC, Taipei, Taiwan, R.O.C. (08/2019- 11/2022)
- Assistant Professor, School of Public Health, NDMC, Taipei, Taiwan, R.O.C. (08/2013- 07/2019)

Research Interests

Endocrine-disrupting chemicals (EDCs), such as phthalates and bisphenol A.
Risk assessment for life cycle.
Mediation analysis.
Mixture analysis.
Climate change.
Environmental health data analytics

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Selected Research Grant Principle Investigator

- Relationships of exposure to phthalates, oxidative stress, DNA methylation and metabolic effects: mixtures analysis and multiple mediation assessment (2/2) (PI, MOST, 2022/08- 2023/07)
- Relationships of exposure to phthalates, oxidative stress, DNA methylation and metabolic effects: mixtures analysis and multiple mediation assessment (1/2) (PI, MOST, 2021/08-2022/07)
- Investigation of exposure to phthalates with metabolic effects and renal function in young adults: Mediation analysis (PI, MOST, 2020/08- 2021/07)

Selected Publications

- Hsia TI, Huang PC, Chen HC, Lo Y. TY, Chang WT, Jou YY, **Huang HB***. (2022) Relationships among phthalate exposure, oxidative stress, and insulin resistance in young military soldiers: A cumulative risk assessment and mediation approach. *Environment International* 165: 107316
- **Huang HB**, Cheng PK, Siao CY, Lo C.YT , Chou WC, Huang PC. (2022) Mediation effects of thyroid function in the associations between phthalate exposure and lipid metabolism in adults. *Environmental Health* 2022; 21:61.
- Wang KC, Lo YTC, Liao CC, Jou YY and **Huang HB***. (2022) Associations Between Symptoms of Depression and Air Pollutant Exposure Among Older Adults: Results From the Taiwan Longitudinal Study on Aging (TLSA). *Front. Public Health* 9:779192.
- **Huang HB**, Siao CY, Lo C.YT , Shih SF, Lu CH, Huang PC. (2021) Mediation Effects of Thyroid Function in the Associations between Phthalate Exposure and Glucose Metabolism in Adults. *Environmental Pollution* 278:116799