

CURRICULUM VITAE

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Education

2010/09 – **Ph.D., Department of Bioenvironmental Systems Engineering**

2014/07 National Taiwan University

2006/09 – **B.S., Department of Health Risk Management**

2010/07 China Medical University

Experiences

2021/08– **Associate Professor**

present Institute of Food Safety and Health Risk Assessment
National Yang-Ming University

2017/08 – **Assistant Professor**

2021/07 Institute of Food Safety and Health Risk Assessment
National Yang-Ming University

2020/10 – **Director**

Present Taiwan Testing and Quality Association Society (TTQAS)

2019/08 – **Visiting Scholar**

2020/01 Institute of Computational Comparative Medicine,
Department of Anatomy and Physiology, College of Veterinary Medicine,
Kansas State University, USA

2017/10 – **Deputy Secretary-General**

2020/09 Taiwan Testing and Quality Association Society (TTQAS)

2017/01 – **Post-doctoral Fellow**

2017/07 Department of Bioenvironmental Systems Engineering
National Taiwan University, Taiwan

2015/08 – **Post-doctoral Fellow**

2016/12 National Institute of Environmental Health Sciences
National Health Research Institutes, Taiwan

2014/08 – **Post-doctoral Fellow**

2015/07 Environmental Biotechnology Laboratory
National Taiwan University, Taiwan

Publications

Journal articles

1. Cheng CJ, Kuo YT, Chen JW, Wei GJ, **Lin YJ***. Probabilistic risk and benefit assessment of nitrates and nitrites by integrating total diet study-based exogenous dietary exposure with endogenous nitrite formation using toxicokinetic modeling. *Environment International* 157: 106807. (107-2314-B-010-058-MY2; 109-2314-B-010-044-MY3)
2. **Lin YJ**, Lin Z*. 2020. *In vitro-in silico*-based probabilistic risk assessment of combined exposure to bisphenol A and its analogues by integrating ToxCast high-throughput in vitro assays with *in vitro* to *in vivo* extrapolation (IVIVE) via physiologically based pharmacokinetic (PBPK) modeling. *Journal of Hazardous Materials* 399: 122856. (109-2314-B-010-044-MY3)
3. **Lin YJ***, Cheng CJ, Chen JW, Lin Z*. 2020. Incorporating exogenous and endogenous exposures into dietary risk assessment of nitrate and nitrite in vegetables: a probabilistic integrated toxicokinetic modeling approach. *Journal of Agricultural and Food Chemistry* 68: 1079 – 1090. (107-2314-B-010-058-MY2)
4. **Lin YJ**, Hsiao JL, Hsu HT*. 2020. Integration of biomonitoring data and reverse dosimetry modeling to assess population risks of arsenic-induced chronic kidney disease and urinary cancer. *Ecotoxicology and Environmental Safety* 206, 111212.
5. **Lin YJ**, Lin HC, Yang YF, Chen CY, Lu TH, Liao CM*. 2020. Shorter antibiotic regimens impact the control efforts in high tuberculosis burden regions of Taiwan. *International Journal of Infectious Diseases* 97: 135 – 142.
6. Ling MP, Hsiao HA, Chen SC, Chen WY, Chou WC, **Lin YJ**, You SH, Yang YF, Lin HC, Chen CY, Lu TH, Liao CM*. 2020. Assessing dietary exposure risk to neonicotinoid residues among preschool children in region of Taiwan. *Environmental Science and Pollution Research* 27: 12112–12121.
7. **Lin YJ**, Lin P*. 2019. Probabilistic integrated human mixture risk assessment of multiple metals through seafood consumption. *Risk Analysis* 39: 426 – 438.
8. **Lin YJ**, Lin HC, Yang YF, Chen CY, Ling MP, Chen SC, Chen WY, You SH, Lu TH, Liao CM*. 2019. Association between ambient air pollution and elevated risk of tuberculosis development. *Infection and Drug Resistance* 12: 3835 – 3847.
9. Cheng YH, **Lin YJ**, Chen SC*, You SH, Chen WY, Hsieh NH, Yang YF, Liao CM*. 2018. Assessing health burden risk and control effort on dengue fever infection in southern region of Taiwan. *Infection and Drug Resistance* 11: 1423 – 1435.
10. Cheng YH, Chou WC, Yang YF, Huang CW, How CM, Chen SC, Chen WY, Hsieh NH, **Lin YJ**, You SH, Liao CM*. 2018. PBPK/PD assessment for Parkinson's disease risk posed by airborne pesticide paraquat exposure. *Environmental Science and Pollution Research* 25(6): 5359 – 5368.
11. **Lin YJ**, Ling MP*, Chen SC, Chen WY, Hsieh NH, Cheng YH, You SH, Chou WC, Lin MC, Liao CM*. 2017. Mixture risk assessment due to ingestion of

- arsenic, copper, and zinc from milkfish farmed in contaminated coastal areas. *Environmental Science and Pollution Research* 24(17): 14616 – 14626.
12. Yang YF, **Lin YJ**, Liao CM*. 2017. Toxicity-based toxicokinetic/toxicodynamic assessment for bioaccumulation and nanotoxicity of zero-valent iron nanoparticles in *Caenorhabditis elegans*. *International Journal of Nanomedicine* 12: 4607 – 4621.
 13. Hsieh NH, **Lin YJ**, Yang YF, Liao CM*. 2017. Assessing the oseltamivir-induced resistance risk and implications for influenza infection control strategies. *Infection and Drug Resistance* 10: 215 – 226.
 14. Cheng YH, You SH, **Lin YJ**, Chen SC*, Chen WY, Chou WC, Hsieh NH, Liao CM*. 2017. Mathematical modeling of postcoinfection with influenza A virus and *Streptococcus pneumoniae*, with implications for pneumonia and COPD-risk assessment. *International Journal of Chronic Obstructive Pulmonary Disease* 12: 1973 – 1988.
 15. Hsien NH, Chung SH, Chen SC, Chen WY, Cheng YH, **Lin YJ**, You SH, Liao CM*. 2017. Anemia risk in relation to lead exposure in lead-related manufacturing. *BMC Public Health* 17: 389.
 16. Cheng YH**, **Lin YJ****, You SH, Yang YF, How CM, Tseng YT, Lin CJ, Chen WY, Liao VHC, Liao CM*. 2016. Assessing exposure risks for freshwater tilapia species posed by mercury and methylmercury. *Ecotoxicology* 25(6): 1181 – 1193. (co-first authors)
 17. **Lin YJ**, You SH, Chou WC, Weng CY, Chang HH, Chan WC, Lin WH, Chiang HC*, Lin P*. 2016. A RISK21 matrix for assessing the potential health risk of DDT from flower tea in Taiwan. *Taiwan Public Health Association* 35(3): 332 – 341.
 18. **Lin YJ**, Liao CM*. 2015. Quantifying the impact of drug combination regimens on TB treatment efficacy and multidrug resistance probability. *Journal of Antimicrobial Chemotherapy* 70(12): 3273 – 3282.
 19. Liao CM*, Wu BC, Cheng YH, You SH, **Lin YJ**, Hsieh NH. 2015. Ceramics manufacturing contributes to ambient silica air pollution and burden of lung disease. *Environmental Science and Pollution Research* 27(19): 15067 – 15079.
 20. Liao CM*, Huang TL, **Lin YJ**, You SH, Cheng YH, Hsieh NH, Chen WY. 2015. Regional response of dengue fever epidemics to interannual variation and related climate variability. *Stochastic Environmental Research and Risk Assessment* 29(3): 947 – 958.
 21. **Lin YJ**, Liao CM*. 2014. Seasonal dynamics of tuberculosis epidemics and implications for multidrug-resistant infection risk assessment. *Epidemiology and Infection* 142(2): 358 – 370.
 22. Liao CM*, **Lin YJ**, Cheng YH. 2013. Modeling the impact of control measures on tuberculosis infection in senior care facilities. *Building and Environment* 59: 66 – 75.
 23. Liao CM*, **Lin YJ**. 2012. Assessing transmission risk of multidrug-resistant *Mycobacterium tuberculosis* epidemics in Taiwan region. *International Journal of Infectious Diseases* 16(10): e739 – e747.
 24. Liao CM*, Hsieh NH, Huang TL, Cheng YH, **Lin YJ**, Chio CP, Chen SC, Ling MP. 2012. Assessing trends and predictors of tuberculosis in Taiwan. *BMC Public Health* 12: 29.

25. Liao CM*, Cheng YH, **Lin YJ**, Hsieh NH, Huang TL, Chio CP, Chen SC, Ling MP. 2012. A probabilistic transmission and population dynamic model to assess tuberculosis infection risk. *Risk Analysis* 32(8): 1420 – 1432.
26. Ling MP, Chio CP, Chou WC, Chen WY, Hsieh NH, **Lin YJ**, Liao CM*. 2011. Assessing the potential exposure risk and control for airborne titanium dioxide and carbon black nanoparticles in the workplace. *Environmental Science and Pollution Research* 18: 877 – 889.

Conferences

1. **Lin YJ***, Cheng CJ, Kuo YT. 2021. Risk and benefit assessment of dietary nitrates and nitrites: an integrated approach of total diet study and population toxicokinetic modeling. 2021 Society of Toxicology Annual Meeting, USA.
2. Chen Y, **Lin YJ***. 2021. A physiologically based pharmacokinetic model for assessing lifetime cadmium dietary exposure with implications for risk assessment. 2021 Society of Toxicology Annual Meeting, USA.
3. Kuo KY, Lin P, **Lin YJ***. 2021. Probabilistic integrated mixture risk assessment of perfluorinated substances for adolescents based on global serum concentration data. 2021 Society of Toxicology Annual Meeting, USA.
4. Hsu CY, Wu PY, Chen YC, **Lin YJ***, Lin P*. 2021. An integrated strategy for identifying volatile organic compounds of high concern near petrochemical industrial parks in Taiwan. 2021 Society of Toxicology Annual Meeting, USA.
5. **Lin YJ***, Chenga CJ, Lin Z. 2020. An integrated approach of dietary exposure and physiologically-motivated toxicokinetic modeling for probabilistic risk assessment of nitrate and nitrite through vegetable consumption. 59th Society of Toxicology Annual Meeting, Anaheim, California.
6. Kuo TY, Yang DJ, **Lin YJ***. 2019. Determination of dimethylamine in commonly consumed fish in Taiwan and implications for dietary risk assessment of endogenous N-nitrosodimethylamine. 49th International Symposium on High Performance Liquid Phase Separations and Related Techniques, Kyoto, Japan.
7. **Lin YJ***, Hsiao JL. 2019. Risk-based prioritization of multiple metals in seafood among children and teenagers and implications for food safety management. 29th SETAC Europe Annual Meeting, Helsinki, Finland.
8. Wu PY, Yang CC, **Lin YJ***. 2019. Assessing health risk from exposure to ethanol and acetaldehyde through drinking alcoholic beverages. 29th SETAC Europe Annual Meeting, Helsinki, Finland.
9. Chang YT, Yang CC, **Lin YJ***. 2019. Probabilistic integrated PBPK model to assess health risk of dietary exposure to acrylamide. 29th SETAC Europe Annual Meeting, Helsinki, Finland.
10. Ting WT, Huang SH, Yang CC, Kang JJ, **Lin YJ***. 2019. Mixture risk assessment and prioritization of multiple aldehydes in fried foods. 29th SETAC Europe Annual Meeting, Helsinki, Finland.
11. **Lin YJ***, Lin P. 2018. Probabilistic integrated mixture risk assessment of human exposure to multiple heavy metals through seafood consumption. Society for Risk Analysis Asia Conference, Osaka, Japan.
12. **Lin YJ***, Lin P, You SH, Chou WC, Weng CY. 2016. Using RISK21 matrix to assess the potential human health risk of DDT exposure from flower tea. 26th SETAC Europe Annual Meeting, Nantes, France.

13. **Lin YJ***, Wu BC, Cheng YH, You SH, Hsieh NH, Liao CM. 2015. Environmental risk assessment for human exposed to airborne silica dust in ceramics manufacturing. 25th SETAC Europe Annual Meeting, Barcelona, Spain.
14. Cheng YH, **Lin YJ**, You SH, Yang YF, How CM, Tseng YT, Liao VHC, Liao CM. 2015. PBTK/TD model-based mortality risk assessment for tilapia species exposed to mercury/methylmercury. 25th SETAC Europe Annual Meeting, Barcelona, Spain.
15. **Lin YJ***, Liao CM, Lin MP. 2012. Assessing human health risk from farmed milkfish consumption: considering toxic interaction among arsenic, copper, and zinc mixture. 22nd SETAC Europe Annual Meeting, Berlin, Germany.