

Zhang Rong (张蓉)

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General information

PhD candidate (Year 3), Healthy High Density Cities Lab, HKUrbanLab, Department of Urban Planning and Design, Faculty of Architecture.

Rm: 715, 7th floor, Knowles Building, The University of Hong Kong, Pokfulam Road, Hong Kong.

Education

2019/10-present	PhD candidate	The University of Hong Kong, HKSAR
2016/09-2019/07	Master of public health	Southern Medical University, Guangzhou, China
2012/09-2016/07	Bachelor of Biostatistics	Southern Medical University, Guangzhou, China

Academic positions

2019/07-2019/09	Research Assistant	Guangdong Provincial Institute of Public Health, Guangdong Provincial Center for Disease Control and Prevention, Guangzhou, China
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Certificates and skills

Technical skills: R language, ArcGIS, SAS, SPSS, Python and Matlab.

Language: IELTS/Chinese

Awards

2019	Postgraduate Scholarship in the University of Hong Kong
2018	National Scholarship for Postgraduate student in China
2018	Academic Scholarship in Southern Medical University
2017	Academic Scholarship in Southern Medical University
2015	National Encouragement Scholarship for Undergraduate Students in China
2015	Outstanding Student in Southern Medical University
2015	Second Prize in National Undergraduate Statistical Contest in Modeling
2014	National Encouragement Scholarship for Undergraduate Students in China

Teaching experience

Teaching assistant: **Health Statistics and SPSS** for undergraduates and college students, **SPSS Application** for postgraduates over 80 teaching hours in 2018.

Conference

Attended the 15th APRU(the Association of Pacific Rim Universities) Global Health Conference entitled Global Urban Health held on 16-18 November 2021.

Training:

2022/04: Reading and Writing for the literature review(GSW50001), Graduate School, the University of Hong Kong, HKSAR.

2020/04: Advanced Statistical Methods II(CMED 6040), School of Public Health, the University of

Hong Kong, HKSAR.

2020/03: Certificate in Teaching and Learning in Higher Education, Centre for the Enhancement of Teaching & Learning, the University of Hong Kong, HKSAR.

2020/01: Advanced Statistical Methods I (CMED 6020), School of Public Health, the University of Hong Kong, HKSAR.

2017/07: Workshop on the application of spatial information technology in the field of public Health, Shenzhen, China

2016/07: Data Management Training in Clinical Trail, Southern Medical University, Guangzhou, China.

Publications

(name with “___” represents the applicant and * represents corresponding author)

1. Chinmoy Sarkar*, Ka Yan Lai, Rong Zhang, Michael Y. Ni, and Chris Webster. "The association between workplace built environment and metabolic health: A systematic review and meta-analysis." *Health & Place*, 2022, 76:102829. <https://dx.doi.org/10.1016/j.healthplace.2022.102829>. [IF=4.078]
2. Rong Zhang, Ka Yan Lai, Wenhui Liu, Yanhui Liu, Jianyun Lu, Linwei Tian, Chris Webster, Lei Luo*, and Chinmoy Sarkar*. "Community-level ambient fine particulate matter and seasonal influenza among children in Guangzhou, China: A bayesian spatiotemporal analysis." *Sci Total Environ*, 2022, 826:154135. <https://dx.doi.org/10.1016/j.scitotenv.2022.154135>. [IF=7.963]
3. Zhao-Yue Chen, Jie-Qi Jin, Rong Zhang, Tian-Hao Zhang, Jin-Jian Chen, Jun Yang, Chun-Quan Ou*, and Yuming Guo. "Comparison of different missing-imputation methods for MAIAC (Multiangle Implementation of Atmospheric Correction) AOD in estimating daily PM_{2.5} levels." *Remote Sensing*, 2020,12. <https://dx.doi.org/10.3390/rs12183008>. [IF=4.848]
4. Rong Zhang, Zhao-Yue Chen, Li-Jun Xu, and Chun-Quan Ou*. "Meteorological drought forecasting based on a statistical model with machine learning techniques in Shaanxi province, China." *Science of The Total Environment*, 2019, 665: 338-46. <https://dx.doi.org/https://doi.org/10.1016/j.scitotenv.2019.01.431>. [IF=6.551]
5. Zhao-Yue Chen, Rong Zhang, Tian-Hao Zhang, Chun-Quan Ou*, and Yuming Guo. "A kriging-calibrated machine learning method for estimating daily ground-level NO₂ in mainland China." *Science of The Total Environment*, 2019, 690: 556-64. <https://dx.doi.org/https://doi.org/10.1016/j.scitotenv.2019.06.349>. [IF=6.551]
6. Zhao-Yue Chen, Tian-Hao Zhang, Rong Zhang, Zhong-Min Zhu, Jun Yang, Ping-Yan Chen, Chun-Quan Ou*, and Yuming Guo. "Extreme gradient boosting model to estimate PM_{2.5} concentrations with missing-filled satellite data in China." *Atmospheric Environment*, 2019, 202: 180-89. <https://dx.doi.org/https://doi.org/10.1016/j.atmosenv.2019.01.027>. [IF=4.039]
7. Zhao-Yue Chen, Tian-Hao Zhang, Rong Zhang, Zhong-Min Zhu, Chun-Quan Ou*, and Yuming Guo. "Estimating PM_{2.5} concentrations based on non-linear exposure-lag-response associations with aerosol optical depth and meteorological measures." *Atmospheric Environment*, 2018, 173: 30-37. <https://dx.doi.org/https://doi.org/10.1016/j.atmosenv.2017.10.055>. [IF=4.012]
8. Rong Zhang, Zhao-Yue Chen, Chun-Quan Ou*, and Yan Zhuang*. "Trends of heat waves and cold spells over 1951–2015 in Guangzhou, China." *Atmosphere*, 2017, 8. <https://dx.doi.org/10.3390/atmos8020037>. [IF=1.704]