

XIANSHENG LIU

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EDUCATION

BS: Qufu Normal University, China **2010-2014**
Land Resources Management, Bachelor of Science (**B.Sc**)

MS: Nanjing Normal University, China **2014-2017**
Environmental Science, Master of Science (**M.Sc**)

Ph.D: Helmholtz Zentrum München (Rostock University) , Germany **2017-2022**
Environmental Chemistry, doctor rerum naturalium (**Dr. rer. nat**)

RESEARCH PROJECT EXPERIENCE

Member **2017-2020**
Smart Air Quality Network, Germany (NO. 19F2003B)

Member **2015-2018**
National Natural Science Foundation of China (NO. 41573061)

Member **2015-2018**
National Natural Youth Foundation of China (NO. 41603114)

RESEARCH AREAS

Analysis of atmospheric pollution sources Spatial distribution of pollution

Air pollution modelling Human pollution exposure evaluation.

Atmospheric Aerosols Particulate Matter Atmospheric Pollution Black Carbon

LANGUAGE

English (Speaking: good; Writing: good; Listening: good)

Chinese (Speaking: native; Writing: native; Listening: native)

PERSONALITIES

(1) High Motivation (2) Hard Work (3) Able Work in Team (4) Friendly (5) High Curiosity

CONFERENCES

Participant. 52nd German Society for Mass Spectrometry (DGMS2019), Germany 2019.

Oral Presenter. Analysis of mobile monitoring data from the microAeth® MA200 for measuring changes in black carbon on the roadside in Augsburg. **The 14th National Environmental Doctoral Student Conference.** 2020. China

RESEARCH AND PUBLICATION

1. **Liu, X.**, Zhang, X., Schnelle-Kreis, J., Jakobi, G., Cao, X., Cyrys, J., ... & Zimmermann, R. (2021). Spatiotemporal Characteristics and Driving Factors of Black Carbon in Augsburg, Germany: Combination of Mobile Monitoring and Street View Images. *Environmental Science & Technology*, 1,55, 160-168.
2. **Liu, X.**, Hadiatullah, H., Zhang, X., Hill, L. D., White, A. H. A., Schnelle-Kreis, J., Bendl, J., Jakobi, G., Schloter-Hai, B., and Zimmermann, R. (2021), Analysis of mobile monitoring data from the microAeth® MA200 for measuring changes in black carbon on the roadside in Augsburg, *Atmospheric Measurement Techniques*, 14, 5139–5151.
3. **Liu, X.**, Hadiatullah, H., Zhang, X., Schnelle-Kreis, J., Zhang, X., Lin, X., ... & Zimmermann, R. (2021). Combined land-use and street view image model for estimating black carbon concentrations in urban areas. *Atmospheric Environment*, 118719.
4. **Liu, X.**, Hadiatullah, H., Tai, P., Xu, Y., Zhang, X., Schnelle-Kreis, J., ... & Zimmermann, R. (2021). Air pollution in Germany: spatio-temporal variations and their driving factors based on continuous data from 2008 to 2018. *Environmental Pollution*, 116732.
5. **Liu, X.**, Schnelle-Kreis, J., Zhang, X., Bendl, J., Khedr, M., Jakobi, G., ... & Zimmermann, R. (2020). Integration of air pollution data collected by mobile measurement to derive a preliminary spatiotemporal air pollution profile from two neighboring German-Czech border villages. *Science of The Total Environment*, 722, 137632.
6. **Liu, X.**, Huang, H., Jiang, Y., Wang, T., Xu, Y., Abbaszade, G., ... & Zimmermann, R. (2020). Assessment of German population exposure levels to PM₁₀ based on multiple spatial-temporal data. *Environmental Science and Pollution Research*, 27(6), 6637-6648.
7. **Liu, X.**, Schnelle-Kreis, J., Schloter-Hai, B., Ma, L., Tai, P., Cao, X., ... & Zimmermann, R. (2019). Analysis of PAHs Associated with PM₁₀ and PM_{2.5} from Different Districts in Nanjing. *Aerosol and Air Quality Research*, 19, 2294-2307.
8. **Liu, X.**, Yu, C., Wang, G., & Hu, Y. (2018). Effects of Different Drying Methods on the Determination of Nitrogen in Sediment. *Fresenius Environmental Bulletin*, 27(5 A), 3506-3511.
9. **Liu, X.**, Shi, C., Xu, X., Li, X., Xu, Y., Huang, H., ... & Wang, G. (2017). Spatial distributions of β -cyclocitral and β -ionone in the sediment and overlying water of the west shore of Taihu Lake. *Science of the total environment*, 579, 430-438.
10. Khedr, M., **Liu, X.***, Hadiatullah, H., Orasche, J., Zhang, X., Cyrys, J., ... & Schnelle-Kreis, J. (2022). Influence of New Year's fireworks on air quality—A case study from 2010-2021 in Augsburg, Germany. *Atmospheric Pollution Research*, 101341.
11. Zhang, X., Zhang, B., Wan, Y., Xu Y., **Liu, X.***. (2022) Spatial and temporal variability of typical air pollutant concentrations in the urban area of QingDao, China. *Fresenius Environmental Bulletin*, 01(01A).
12. **Liu, X.** et al., Personal exposure to various size fractions of ambient particulate matter during the heating and non-heating periods using mobile monitoring approach: A case study in Augsburg, Germany. *Atmospheric Pollution Research*, 101483.