Associate Professor (Research) Qingbin Song

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Academic Qualification

Ph.D. in Civil and Environmental Engineering, University of Macau

MSc in School of Environmental and Biological Science, Dalian University of Technology

BSc in Department of Environment Science and Engineering, Hebei University of Science and Technology

Teaching Area

Solid Waste Management and Recycling

Environmental Impact Assessment

Special Topic of Environmental Science and Engineering

Research Area

Whole process management and recycling technology of solid waste (E-waste and Organinc waste);

Urban metabolism mechanism of resource and energy

Environmental impact and risk assessment (LCA and MFA method)

Urban GHG emissions and its reduction.

Environmental and energy-saving behavior and willingness analysis

Working Experience

2020.07-	Associate Professor, Department of Environmental Science and Engineering, FIE, MUST
2017.08-	Deputy secretary-general, Circular Economy Branch, Chinese Society of EnvironmentalScience
2016.01-2020.07	Assistant Professor, Macao Environmental Research Institute, MUST
2015.08-2015.12	Project director, Basel Convention Regional Centre for Asia and the Pacific (BCRC China)
2013.05-2015.08	Post doctorate, School of Environment, Tsinghua University

Research Grants

2021.03-2023.03 Research and demonstration on the environmentally sound recycling technology with high economic value of waste mobile phones; FDCT-GDST, **PI**

2022.06-2023.03 Monitoring of wild pland in Macao; Macau Municipal Affairs Bureau, **PI**

2020.04-2021.04 The whole process management and risk control mechanism of medical waste under new coronavirus pneumonia epidemic in Macau; FDCT, PI

2020.01-2020.12 Research on the mid- and long term pathway of energy transformation in Guangdong-Hong Kong- Macau Great Bay; Chinese academy of engineering, **PI** of sub-project 4.

2019.10-2022.09 Characterizing the influence mechanism of the use activities and its carbon emissions of urban household e-

8. Liang, Y., **Song, Q.***, Wu, N.*, Li, J., Zhong, Y., Zeng, W. (2021) Repercussions of COVID-19 pandemic on solid waste generation and management strategies. Front Environ Sci Eng 15, 115.

10. Cai, K., **Song, Q.*,** Yuan, W., Ruan, J., Duan, H., Li, Y., Li, J. (2020) Human exposure to PBDEs in e-waste areas:

28. Song Q.*, Li J., Duan H., Yu D., Wang Z.*, 2017. Towards to sustainable energy-efficient city: A case study of Macau. Renewable and Sustainable Energy Reviews, 75, 504-514.

29. Yu, D., Duan, H.*, **Song, Q.***, Liu, Y., Li, Y., Li, J., Shen, W., Luo, J., Wang, J., 2017. Characterization of brominated flame retardants from e-waste components in China. Waste Management, 68, 498-507.

30. Yu, D., **Song, Q.***, Wang, Z., Li, J., Duan, H.*, Wang, J., Wang, C., Wang, X., 2017. Quantifying the potential export flows of used electronic products in Macau: a case study of PCs. Environmental science and pollution research international 24, 28197-28204.

31. Mao, R., Duan, H*., Dong, D., Zuo, J., **Song, Q.***, Liu, G., Hu, M., Zhu, J., Dong, B., 2017. Quantification of carbon footprint of urban roads via life cycle assessment: Case study of a megacity- Shenzhen, China. Journal of Cleaner Production, 166, 40-48.

32. Song, Q., Wang, Z., Li, J., 2016. Exploring attitudes and willingness to pay for solid waste management in Macau. Environmental Science and Pollution Research, 23, 16456-16462.

33. Song Q., Li J., Liu L., et al, 2016. Measuring the generation and management status of waste

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