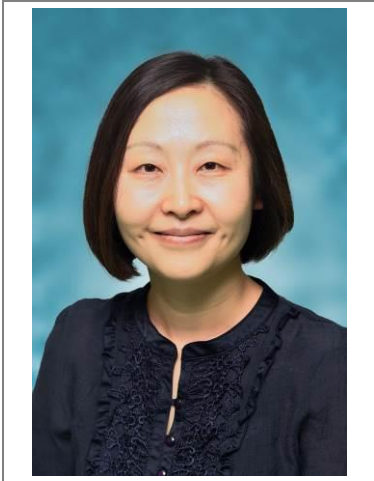


# 盛 妮



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**教研领域** 教授课程包括统计学、决策方法、营运管理、计量学等；研究方向是基于环境计算模拟的环境管理与决策建模分析

## 学历

2006 - 2007 美国加州大学柏克利分校 / 博士后  
2002 - 2005 香港大学 / 博士  
1998 - 2000 新加坡南洋理工大学 / 硕士  
1991 - 1995 浙江大学 / 土木工程 / 学士

## 工作经验

2022 - 现在 澳门科技大学 / 商学院 / 院长  
2020 - 2022 澳门科技大学 / 商学院 / 执行副院长  
2018 - 2020 澳门科技大学 / 商学院 / 副院长  
2013 - 2018 澳门科技大学 / 商学院 / 助理院长  
2007 - 现在 澳门科技大学 / 助理教授, 副教授, 教授  
2005 - 2006 香港大学 / 研究助理  
2000 - 2002 新加坡国立大学, 数据存储研究所 / 研发工程师

## 近期获奖

2019 第五届澳门人文社会科学研究优秀成果奖 - 论文类优异奖 (澳门基金会)  
2016 2016 年度澳门科学技术奖励 - 科技进步奖三等奖 (唯一完成人) (澳门特别行政区)  
2014 中银学术研究优秀奖 (澳门科技大学)

## 主要学术成果

1. Hsiao YL, **Sheng N**, Fu SZ, Wei XY. Evaluation of contagious effects of China's wind power industrial policies. *Energy*, 2022, 238: 121760.
2. Cai KH, Xie YF, Song QB, **Sheng N**, Wen ZG. Identifying the status and differences between urban and rural residents' behaviors and attitudes toward express packaging waste management in Guangdong Province, China. *Science of the Total Environment*, 2021, 797: 148996.
3. Wan YY, **Sheng N**. Clarifying the relationship among green investment, clean energy consumption, carbon emissions, and economic growth: a provincial panel analysis of China. *Environmental Science and Pollution Research*, 2021, Early Access.
4. Hsiao YL, Wei XY, **Sheng N**, Shao CW. A joint test of policy contagion with application to the solar sector. *Renewable & Sustainable Energy Reviews*, 2021, 141:110762.
5. Chen C, Yao Z, Wen ZG, **Sheng N**. Impact of city characteristics on its phosphorus metabolism in the bay area: A comparative analysis of cities in the Greater Bay Area of China. *Journal of Cleaner Production*, 2021, 286:124925.
6. Hsiao YL, Ai D, Wei XY, **Sheng N**. The contagious effect of China's energy policy on stock markets: The case of the solar photovoltaic industry. *Renewable Energy*, 2021, 164:74-86.
7. Hsiao YL, Ou YL, **Sheng N**, Wei XY. Measuring contagion effects of nuclear energy policies and events. *International Journal of Energy Research*, 2021, 45:11510-11525.
8. Chen H, Li XY, Lu XR, **Sheng N**, Zhou W, Geng HP, Yu SW. A multi-objective optimization approach for the selection of overseas oil projects. *Computers & Industrial Engineering*, 2021, 151:106977.
9. Dai BL, **Sheng N**, Zhao W, Mu FH, He LY. Evaluation of urban inland waterway traffic noise using a modified Nord 2000 prediction model. *Environmental Research*, 2020, 185: 109437.
10. Wei XY, Che HY, **Sheng N**, Hsiao CYL, Tong Q, Yan GY. Research on the development status of China's renewable energy industry - The impact of capital structure on company performance. *Frontiers in Energy Research*, 2020, 8: 71.
11. Hsiao CYL, Lin WS, Wei XY, Yan GY, Li SQ, **Sheng N**. The impact of international oil prices on the stock price fluctuations of China's renewable energy enterprises. *Energies*, 2019, 12: 4630.
12. Dai BL, **Sheng N**, He YL, Mu FH, Xu JM, Zhu AF. Development of an inland waterway traffic noise prediction model considering water surface adsorption and embankment shielding influences. *International Journal of Environmental Science and Technology*, 2019, 16: 5927-5936.
13. Zhu LC, Song QB, **Sheng N**, Zhou X. Exploring the determinants of consumers' WTB and WTP for electric motorcycles using CVM method in Macau. *Energy Policy*, 2019, 127: 64-72.
14. **Sheng N**, Tang UW, Grydehoj A. Urban morphology and urban fragmentation in Macau, China: island city development in the Pearl River Delta megacity region. *Island Studies Journal*, 2017, 12: 199-212.

15. **Sheng N**, Zhou X, Zhou Y. Environmental impact of electric motorcycles: Evidence from traffic noise assessment by a building-based data mining technique. *Science of the Total Environment*, 2016, 554: 73-82.
16. **Sheng N**, Tang UW. The first official city ranking by air quality in China - A review and analysis. *Cities*, 2016, 51: 139-149.
17. Dai BL, **Sheng N**, He YL, Xu JM, Zhu AF. An inland waterway traffic noise prediction model for environmental assessment in China. *International Journal of Environmental Science and Technology*, 2016, 13: 1235-1244.
18. Choy KL, **Sheng N**, Lam HY, Lai IKW, Chow KH, Ho GTS. Assess the effects of different operations policies on warehousing reliability. *International Journal of Production Research*, 2014, 52: 662-678.
19. **Sheng N**, Tang UW. Zhuhai. *Cities*, 2013, 32: 70-79.
20. **Sheng N**, Tang UW. Risk assessment of traffic-related air pollution in a world heritage city. *International Journal of Environmental Science and Technology*, 2013, 10: 11-18.
21. **Sheng N**, Tang UW. A building-based data capture and data mining technique for air quality assessment. *Frontiers of Environmental Science & Engineering*, 2011, 5: 543-551.
22. **Sheng N**, Tang UW. Spatial analysis of urban form and pedestrian exposure to traffic noise. *International Journal of Environmental Research and Public Health*, 2011, 8: 1977-1990.
23. **Sheng N**, Li SF. A multi-scale non-equilibrium molecular dynamics algorithm and its applications. *International Journal of Applied Mechanics*, 2009, 1: 405-420.
24. Tang UW, **Sheng N**. Macao. *Cities*, 2009, 24: 220-231.
25. Li SF, **Sheng N**. On multiscale non-equilibrium molecular dynamics simulations. *International Journal for Numerical Methods in Engineering*, 2010, 83(8-9): 998-1038.
26. Wu D, Lo SH, **Sheng N**, Sze KY. Universal three-dimensional connection hexahedral elements based on hybrid-stress theory for solid structures. *International Journal for Numerical Methods in Engineering*, 2010, 81(3): 307-334.
27. **Sheng N**, Li SF. A non-equilibrium multiscale simulation of shock wave propagation. *Mechanics Research Communications*, 2008, 35: 10-16.
28. Li SF, **Sheng N**, Liu XH. A non-equilibrium multiscale simulation paradigm. *Chemical Physics Letters*, 2008, 451: 293-300.
29. Liu XH, Li SF, **Sheng N**. A cohesive finite element for quasi-continua. *Computational Mechanics*, 2007, 42: 543-553.
30. **Sheng N**, Sze KY, Cheung YK. Trefftz solutions for piezoelectricity by Lekhnitskii's formalism and boundary-collocation method. *International Journal for Numerical Methods in Engineering*, 2006, 65: 2113-2138.
31. **Sheng N**, Sze KY. Multi-region Trefftz boundary element method for fracture analysis in plane piezoelectricity. *Computational Mechanics*, 2006, 37: 381-393.
32. Sze KY, **Sheng N**. Polygonal finite element method for nonlinear constitutive modeling of polycrystalline ferroelectrics. *Finite Elements in Analysis & Design*, 2005, 42: 107-129.

33. Jin WG, **Sheng N**, Sze KY, Li J. Trefftz indirect methods for plane piezoelectricity. *International Journal for Numerical Methods in Engineering*, 2005, 63: 139-158.

## 研究项目

- |             |                                       |
|-------------|---------------------------------------|
| 2013 - 2015 | 建立高精度的澳门半岛交通噪音图 (澳门科学技术发展基金资助, 项目负责人) |
| 2014 - 2015 | 构建澳门道路交通噪音模型 (澳门科学大学研究基金资助, 项目负责人)    |
| 2012 - 2013 | 澳门城市环境质量对住宅价格的影响 (澳门基金会资助, 项目负责人)     |
| 2012 - 2013 | 高楼街区居民现状调查研究 (澳门特区政府土地工务运输局委托项目)      |
| 2010 - 2011 | 妈阁街区居民现状调查研究 (澳门特区政府土地工务运输局委托项目)      |
| 2010 - 2011 | 澳门公众环境意识调查 (澳门特区政府环境保护局委托项目)          |
| 2009 - 2010 | 下环街区居民现状调查研究 (澳门特区政府土地工务运输局委托项目)      |
| 2009 - 2010 | 澳门首二期轻轨环境经济效益评估 (澳门特区政府运输基建办公室委托项目)   |