

Hong Mi, PhD

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ACADEMIC POSITION

- 2014-** Executive Director of China Population Association
- 2011-** Consultant of the Bureau of Human Resource and Social Security, Zhejiang Province
- 2010-** Consultant of GIS application examination, the Ministry of Industry and Information Technology, China
- 2009-** Consultant of Development and Reform Commission, Zhejiang Province
- 2007-** Consultant of the Bureau of Human Resource and Social Security, China

CURRENT PROFESSIONAL MEMBERSHIP

- Professor, Department of Social Security and Risk Management, School of Public Affairs, Zhejiang University
- Director of the Laboratory for Population Big Data & Policy Simulation, Zhejiang University
- Executive Director of Center for Non-Traditional Security & Peaceful Development Studies (NTS-PD), Zhejiang University
- Board member of International Network on Health Expectancies and the Disablement Process (REVES)
- Core member of China Ageing Finance Forum (CAFF 50)

WORKING EXPERIENCE

- 1996-2007** Dean of *Population, Resource, Environment and Geographic Information System Research Center*. The chief of *Model-recognition and Intelligence Institute of Xiamen University*
- 1996-2006** Research Center of Population, Resource, Environment and Geography Information System of Xiamen University, Director

1997-2006 Municipal Government of Fujian Province, consultant of population policy

1990-1996 Got the master's degree of *System Engineering and Management Engineering in Population and Economy Research Institute*, Management College of Xi'an Jiaotong University in 1993 and the doctor degree of the same major in 1996. Got the allied diploma of DBA of Albert University-Xi'an Jiaotong University, after the allied education of China and Canada from January 1994 to December 1995.

MAIN RESEARCH ORIENTATION

- Applied Mathematical Demography
- Social Security and Actuarial Science
- Long-term care and policy design
- Population, resource, environment and economy
- Model-recognition and intelligence system
- Data analysis and data mining

PUBLISHED PAPERS

- 1) **Hong MI**, Qiyini MA. 2021. The Efficient Governance and High-Quality Development of Social Security in Jiaxing City, in *Essay Anthology of the 100th Anniversary of the Founding of The Communist Party of China*, The Insurance Institute of China, 137-141.
- 2) **Hong MI**, Xiaodong FAN, et al. Preparing for population ageing: Estimating the cost of formal aged care in China. *Journal of the Economics of Ageing. The Journal of the Economics of Ageing*, 2020, Vol. 17.
- 3) **Hong MI**, Yue LIU, Guanggang FENG. Study on Identification and Determinants of Transition in Health Status of Aging Population in China: Based on Panel Data SSAPUR 2015-2016. *Population Journal*, 2020, 42(4): 42-55.
- 4) **Hong MI**, Qiyini MA. 2020. Social Security Access Challenges for Chinese Farmers Migrating to Urban Settings. *Innovation in Aging*, Volume 4, Issue Supplement 1, 564. <https://doi.org/10.1093/geroni/igaa057.1860>.
- 5) **Hong MI**, Yuxin ZHENG. Analysis and Prediction of Long-term Care Needs of the Elderly in Multiple Health States: A Case Study of Zhejiang Province. *China Health Insurance*, 2020, No. 6, p. 16-21.

- 6) **Hong MI**, Ziqi YU. Influencing Factors of Elder Fraud and Its Counter Measures: Based on Survey Data of Four Counties in Weifang. *Scientific Research on Aging*, 2020, 8(10): 12-21.
- 7) **Hong MI**, Haiyang ZHU, Qiyini MA. China's Third-pillar Pension Insurance: Policy Simulation of the Population Coverage and Insurance Scale. *Price: Theory & Practice*, 2020, No. 4, p. 25-30+163.
- 8) **Hong MI**, Guanggang FENG, Yajuan ZHANG. Analysis and Enlightenment of Qingdao Long-term Care Insurance System. *Public Governance Review*, 2018, No. 1, p. 111-120.
- 9) **Hong MI**, et al. Preparing for Population Ageing: Estimating the Cost of Formal Aged Care in China. *Journal of the Economics of Ageing*, 14 December, 2018, 100183.
- 10) **Hong MI**, Yue LIU. Parameter Adjustment and Structural Transformation: The History and Optimization of Rural Social Pension System after 40 Years of Reform and Opening Up. *Governance Studies*, 2018, No. 6, 17-27.
- 11) **Hong Mi**, Ning Jia, Wei Zhou. Policy Simulation and Amelioration of the 'New Style Rural Old-age Insurance' [J]. *Journal of Northwest A&F University (Social Science Edition)*, 2016(7).
- 12) **Hong Mi**, Mingxu Yang. Reassessment of the Under—reported Rate of the Total Fertility Rate and Sex Ratio at Birth—Based on the National Census and 1% Sample Survey Data during 1982-2010[J]. *Population & Development*, 2016, No. 2, p. 97-106.
- 13) **Hong Mi**, Hua Li. Re-examining Population Security: From a Safety-based Perspective [J]. *Journal of Zhejiang University(Humanities and Social Sciences)*, 2016(2)
- 14) **Hong Mi**, Ning Jia. An Assessment of Abnormal Deaths during the Great Leap Forward Using a Modified Lee-Carter Model [J]. *Population Research*, 2016(1)
- 15) **Hong Mi**, Zhenzhen Yang. The Establishment of Dynamic Linkage Mechanism Between the Generalized Basic Pension Scheme and Per Capital GDP[J]. *China Social Security*, 2014(4)
- 16) **Hong Mi**, Zhenzhen Yang. The Reform of the Civil Servants' Pension Scheme and Its Simulation. *China Social Security*, 2014(5)

- 17) **Hong Mi**, Zhenzhen Yang. The Establishment of Dynamic Linkage Mechanism between the Generalized Basic Pension Scheme and Per Capital GDP. *China Social Security*, 2014(4):38-39.
- 18) **Hong Mi**. Simulation Research of China's Social Old-age Insurance System Based on System Dynamics, XXV Annual Conference of the European Society for Population Economics, June, 2011.
- 19) **Hong Mi**, Dianguo Zhao, Chunxiao Niu, Zhenzhen Yang, Juan Han. The Evaluation of New Rural Social Old-age Insurance Pilot Policy Implementation-Based on the survey on 103 villages of 10 pilot counties, The Gerontological Society of America 64th Annual Scientific Meeting, Boston, November, 2011.
- 20) **Hong Mi**, Zhenzhen Yang. Research on Future Demand for Long Term Care Services in China: Based on Households with Elders. The Gerontological Society of America 64th Annual Scientific Meeting, Boston, November, 2011.
- 21) **Hong Mi**, Zhenzhen Yang, Tiantian Zhang. Factors influencing Chinese long-term care. *International Journal of Public Policy*, 2012(8), 31-42.
- 22) **Hong Mi**, Wei Zhou, Wenxuan Zhang. Research on China's sub-regional carbon emissions intensity and economic development, 12th IAEE European Energy Conference, September 9-12, 2012 in Venice, Italy.
- 23) **Hong Mi**, Wei Zhou. International responsibility of China in Carbon Mitigation. International Symposium 2010, Post-Kyoto Climate Change Policies Current Status and Perspective, Nihon University Mishima Campus. November 26, 2010.
- 24) **Hong Mi**, Wei Zhou. A Simulation Research on Chinese Urbanization and Energy Consumption (2010-2040). Proceeding of the 10th IAEE European Conference: Energy, Policies and Technologies for Sustainable Economies, 2009, 9.
- 25) **Hong Mi**. Series Reports: Population planning and social security planning of Suzhou, Jiaxing, Qingdao, Yangzhou, Ningbo, Xiamen.
- 26) **Hong Mi**. Report in press: The State Council of China and Department of Human Resource and Social Security authorized Project: Top-level design of deepening of the reform of endowment insurance in China, 2013.
- 27) **Hong Mi**, Wei Zhou, Yu Xiaofeng, Feng Ning. Synergetic Abatement of Carbon Emissions and Air Pollution in China. *Advanced Materials Research*, 2013, 734-737 :1942-1947. EI: 20134016818662
- 28) **Hong Mi**. The System Simulation of China's Grain, Fresh Water and Energy Demand in the Next 30 Years. *Population & Economics*, 2010(1).

- 29) **Hong Mi**. Modification and Application of the Gravity Model of Population Migration. *Population Research*, 4, 2009.
- 30) **Hong Mi**. International Comparison and Implications of Liberal, Coordinated and Government-led Vocational Education and Training System. *Research in Educational Development*, 2010, No. 23.
- 31) **Hong Mi**, Xiaowa Li. Public Welfare: Realistic Choice of Private University Development: Concurrently discussing the industrial attribute of private higher education. *Journal of Shanxi University (Philosophy & Social Science)*, 2009, 3.
- 32) **Hong Mi**, Jing Li. The Influence of the Population Cultural Quality on Population Quantity and Population Structure. *Population Journal*, 2009, 5.
- 33) **Hong Mi**. Empirical Study of Benefit Adjustment of New Rural Old-aged insurance. *China Social Security*, 2012(11):44-45.
- 34) **Hong Mi**. China's New Rural Social Old-aged Insurance System Optimization and Long-term Equilibrium: from the Perspective of 'Benefit Adjustment' (2012). *Statistics and Information Forum*, 2012(11).
- 35) **Hong Mi**, Zhenzhen Yang, Rumin Zhao, Yan Liu. *Mode Innovation and Empirical Research of Aging and Elder Service Subsidy, Social Security: Integration, Coordination and Sustainable Development*. Hangzhou: Zhejiang University Press, 2012.
- 36) **Hong Mi**, Saixian Ye, Keqin Zhao. Composition formula of floating population and permanent population and its application based on connection numbers in set pair analysis (2011). *Mathematics in Practice and Theory*, 2011(16):85-90.
- 37) **Hong Mi**, Zhenzhen Yang. An Innovation & Empirical Analysis on Home-based Care Fiscal Subsidy system for the Old Disabled. *Disability Research Journal*, 2011(2):17-21.
- 38) **Hong Mi**, Peng Wang. The pattern of New Rural Old-age Insurance and Empirical Research on Its Fiscal Input System. *China Social Security*, 6(2010).
- 39) **Hong Mi**. Problems and Suggestions in the Promotion of China's New Rural Old-age Insurance System. *Journal of Zhejiang Provincial Party School*, 2009(5).
- 40) Qiyini MA, Haiyang Zhu, Shichao Qi & **Hong Mi** (2021). Research on the Default Selection Strategy of Pension Target Fund. *Price: Theory & Practice* (05),28-33.
- 41) Cheng Li & **Hong Mi** (2022). Estimation of Death Underreporting in Population Censuses and Sample Surveys of China since 1982. *Population Research* (01),19-36.

- 42) Qiyini Ma, **Hong Mi** (corresponding author). System Simulation and Policy Response: Long-Term Care Needs of the Elderly with Disabilities in China (2021-2050). *Open Journal of Social Sciences*, 2021, Vol. 9, No.5, 553-561. DOI: 10.4236/jss.2021.95030.
- 43) Xinhao LIN, Wei ZHOU, **Hong MI** (corresponding author). Estimation on Chinese families who lost their only child and the fiscal sustainability of the social assistance system. *Journal of Chinese Governance*, 2021(3):1-14. (SSCI)
- 44) Chao WU, Guolong WANG, Simon HU, Yue LIU, **Hong MI**. A data driven methodology for social science research with left-behind children as a case study. *PLOS ONE*, November 20, 2020. <https://doi.org/10.1371/journal.pone.0242483>.
- 45) Yilin ZHAO, **Hong MI**. Talent scale structure and policy simulation under the background of Yangtze River Delta Integration: a case study of Zhejiang Province during the 14th five-year Period. *Journal of Shanxi Institute of Energy*, 2021, 34(3): 65-67.
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- 48) Riaz Ahmad, **Hong MI** (corresponding author), Lloyd W. Fernald. Revisiting the Potential Security Threats Linked with the China-Pakistan Economic Corridor (CPEC). *Journal of the International Council for Small Business*. 2020, Vol. 1, No. 1, p. 64-80.
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- 50) Bei LU, **Hong MI**, Gaoyun YANA, Jonathan K.H. Limc, Guanggang FENG. Substitutional Effect of Long-term Care to Hospital Inpatient Care? *China Economic Review*, Volume 62, August 2020, 101466. (SSCI)

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- 52) Mengdi GUO, Zheng ZHU, Tingyue DONG, **Hong MI** (corresponding author). Provincial and Age Disparity on Chronic Disease Education Among Migrants in China: The Migrants Population Dynamic Monitoring Survey. *Inquiry-the Journal of Health Care Organization Provision and Financing*, 2019, Volume 56, 1-10.
- 53) Qiyini MA, **Hong MI** (corresponding author). The Establishment and Policy Simulation of China's Sovereign Pension Fund. *China Social Security*, 2019, No.7, p. 41-43.
- 54) Qiyini MA, Jing WEN, **Hong MI** (corresponding author). Analysis on Mobility and Citizenry Willingness of Migrant Workers in the Nine Cities of Greater Bay Area. *China Labor*, 2019, No. 7, p. 51-63.
- 55) Jin FAN, Jing WEN, **Hong MI** (corresponding author). Policy Optimization and Simulation of Zero-pillar Pension System in China's rural Areas: from the Perspective of Inclusive Treatment Adjustment. *China Social Security*, 2019, No. 8, p. 30-32.
- 56) Guanggang FENG, **Hong MI** (corresponding author). Exploration and Optimization of Qingdao Long-term Care Insurance System. *China Social Security*, 2018, No. 12, p. 43-45.
- 57) Nan Li, **Hong MI** (corresponding author), Patrick Gerland. Using Child, Adult, and Old-age Mortality to Establish a Developing Countries Mortality Database (DCMD). *Demography and Health Issues: Population Aging, Mortality and Data Analysis*. Springer, 2018, p. 51-62.
- 58) Riaz AHMAD, **Hong MI**, Amin ULLAH, Keyao REN, Khalid KHAN. On the Challenges Confronting Women Micro-entrepreneurs in Pakistan: The Way They Harmonize Life and Work. *Journal of Suzhou Vocational University*, 2018, No.4, p. 9-13+29.
- 59) Nan Li, **Hong Mi** (corresponding author), Patrick Gerland. Using Child Adult, and Old-age Mortality to Establish a Developing Countries Mortality Database (DMD). The 17th Applied Stochastic Models and Data Analysis International Conference with Demographics Workshop. ASMDA 2017, p. 645-655.
- 60) Riaz Ahmad, **Hong Mi** (corresponding author). China-Pakistan Economic Corridor and Its Social Implication on Pakistan: How Will CPEC Boost Pakistan's

Infrastructures and Overcome the Challenges? *Arts and Social Sciences Journal*, 2017, April.

- 61) Wang, F., Fan, J., Reisner, A., **Mi, H.** (corresponding author). Health Consciousness, Smog Consciousness and Chinese Elderly Migrant Workers' Preferred Retirement Place. *Sustainability*, 2017, Vol. 9, No. 11.
- 62) Wei Zhou, **Hong Mi**, Xiaofeng Yu, Ning Feng. Urban Building Energy Consumption under Demographic Structure Change. *China Environmental Science*, 2013, 33(10): 1904-1910. EI: 20135217140695.
- 63) Wei Zhou, **Hong Mi**. China's Carbon Emission: International Comparison and Mitigation Strategies, *Resources Science*, 2010,32(8): 1570- 1577.
- 64) Wei Zhou, **Hong Mi**. Quantitive Estimate of One-Child Death Family and Discussion of Their Social Support Level, *Chinese Journal of Population Science*, 2013;33(5):2-9.
- 65) Zhenzhen Yang, **Hong Mi**. Specific Unhealthy State Contribution Rate to the Change of Chinese Elders' Unhealthy Life Expectancy. *South China Population*, 2013(5): 47-52
- 66) Pengyuan Ma, **Hong Mi**. An Empirical Study on the Relationship Evolution of Higher Education Scale and Economic Growth in China(2012). *Education & Economy*, 2012(2):17-21
- 67) Pengyuan Ma, **Hong Mi**. Quantitative Analysis on Coordinated Development of Higher Education-Population-Economy System(2012). *China Higher Education Research*, 2012(7): 1-6.
- 68) Pengyuan Ma, **Hong Mi**. Ecological Balance: The Vision of Sustainable Development of Higher Education: Thought of Ecological Theory of Higher Education. *Meitan Higher Education*. 2012, 30(2): 32-34.
- 69) Wei Zhou, Feng Ning , **Hong Mi**. Optimum Population and Urbanization in Zhejiang Province under the Restriction of Energy. *Advanced Materials Research*. 2012,Vol. 524-527, 2819-2826. EI: 20122315085554.
- 70) Ying Hu, **Hong Mi**, Weixin Chen. Lower Management in Post-tax Era: Logic and Approach. *Probe*, 2012(5), p. 158-162.
- 71) Ying Hu, **Hong Mi**. Handling Process and Mangement Mode and Improvement Prposal of New Rural Old-aged Insurance, *The World of Survey and Research*, 2012(8): 52-56.

- 72) Juan Han, **Hong Mi**. Characteristics for Vocational Education and Training's Double Dualisms in China, *Research in Educational Development. Academic Forum*, 2011(7).
- 73) Xiantao Cheng, **Hong Mi**. The Optimization Strategies and Policy Evaluation in the Promotion of the New Rural Old-age Insurance: A Case Study of Jimo. *China Social Security*, 2011(2): 34-35.
- 74) Lan Ye, **Hong Mi**. Model Innovation and Empirical Study on the Rural Minimum Living Security Standard of China, *Zhejiang Social Sciences*, 5, 2010.
- 75) Wei Zhou, **Hong Mi**. Systems Dynamics of Future Urbanization and Energy-related CO₂ Emissions in China. *WSEAS transactions on systems*. 2009, 10:1145-1154. (EI index: 20100212628601)
- 76) Fan Yang, Huazhen Wang, **Hong Mi**. Support Vector Machine-Recursive Feature Elimination for localized feature selection . *Computer Engineering and Applications*, 2009, No. 28, p. 1-5.
- 77) Keji Ma, **Hong Mi**. Study on the Financial Guarantee Mechanism of the Social Security for the People with Disabilities in China, *Reformation and Strategy*, 2009, No. 10.
- 78) Saixian Ye, **Hong Mi**, Keqin Zhao. Identical Degree Analysis of the mortality and fertility based on Set Pair Theory (2011), *Chinese Journal of Health Statistics*, 2011(5): 594-595.
- 79) Zhenzhen Yang, Liying Chen, Wenzhao Shi, **Hong Mi**. Empirical analysis of the crowding-out effect on employment of delaying legal retirement age in China, *First Resource*, 2010(3).

MONOGRAPHS PUBLISHED

- 1) **Hong MI**, Yuan LI, Qiyini MA. 2021. "The Belt and Road" International Migration of Asia: Research on Multilateral Population Security. London: Routledge. <https://doi.org/10.4324/9781003189473>. (in English)
- 2) **Hong MI**, Qiyini MA. 2022. An Early Identification of Public Health Emergencies and the Case Studies of Zhejiang Governance: An International Comparative Perspective (bilingual edition in Chinese and English), Beijing: Hualing Press.

- 3) Qiyini Ma, Rong YAN, **Hong MI**. "South Africa Population and Development Report", in Reports on Population Development in the Belt and Road Countries, China Population and Development Research Center (ed.), anticipated 2021.
- 4) **Hong MI**, Qiyini MA. "Chapter 10: The Demographic Crisis: Is Humanity heading for Extinction" in An Introduction to Non-Traditional Security (Volume 2), Xiaofeng YU (ed.), the 3rd edition, 2020. Beijing: Peking University Press.
- 5) **Hong MI**, Min JI, Weiguo LIU. *Research on Long-term Care Insurance in Qingdao, China* (China/English). Peking: China Human Resource & Social Security Publishing Group Co., Ltd, 2019.
- 6) **Hong MI**, Chunxiao Niu. *Evaluation and Optimization of the New Rural Social Pension Policy*. China Press Group, 2015.
- 7) **Hong MI**. *System Design and Policy Simulation of the Social Security System covering both Urban and Rural Residents*. Peking: Hualing Press, 2015.
- 8) **Hong MI**, Yunchang Bai, Yiming Wei, Wei Zhou. *Research Progress on Energy and Carbon Emissions across the Taiwan Strait*. Zhejiang University Press, 2014.
- 9) **Hong MI**, Wei Zhou, Pengyuan Ma. *Climate Change and Population Security*. Peking: China Social Science Press, 2012.
- 10) **Hong MI**, Dianguo Zhao, Zhenzhen Yang. *Rural Social Insurance Theory and Practical Research across the Taiwan Strait*. Peking: Hualing Press, 2011.
- 11) **Hong MI**, Fang Ye. *Research on Population Development restrained by Population, Resources and Environment: A Case Study of Jia Xing City*. Hangzhou: Zhejiang University Press, 2011.
- 12) **Hong MI**, Keqin Zhao. *Non-Traditional Security & Set Pair Analysis*. Intellectual Property Publishing House, 2011.
- 13) Zhenghua Jiang, **Hong MI**. *Population Security*. Zhejiang University Press, 2008.
- 14) **Hong Mi**. *Mode Selection Technology and Policy Simulation of Rural Old Care Insurance*. Peking: Hualing Press, 2006.