

Curriculum Vitae

JIE ZHANG

Married with two children; Citizenship: Australian, Canadian

Professor, Department of Economics, National University of Singapore, Singapore 117570;
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Education:

Ph.D (Economics), University of Western Ontario, London, Ontario, Canada, 1989-1993, Supervisor Professor Stephen Williamson

MA (Economics), University of Western Ontario, 1988-1989

MA (Economics), Nankai University, Tianjin, 1985-1988

Certificate of Achievement (the A.E.A. Graduate Economics Training Program sponsored for Ford Foundation), People's University, Beijing, 1986-1987

BA (Economics), Sichuan University, Chengdu, 1980-1984

Employment History:

Professor May 2008-; *Associate Professor*, 2004-05, National University of Singapore

Professor in Public Economics January 2006-April 2008; *Reader/Associate Professor; Senior Lecturer*, July 2001-December 2003, University of Queensland, Australia

Visiting Scholar, Hong Kong University of Science & Technology, Jan-June 2003

Reader/Associate Professor; Senior Lecturer; Lecturer, 1995-2001, Victoria University of Wellington, New Zealand

Research Fellow, Chinese University of Hong Kong, January-April 2001

Visiting Professor, University of Western Ontario, Canada, January-April 2000

Assistant Professor, University of Victoria, Canada, 1994-1995

Assistant Professor, University of Windsor, Canada, 1993-1994

Policy Analyst, Committee of Economic Reform, Chongqing, China, 1984-1985

Publications:

1. "Poverty, Prosperity, and Fiscal Policies in a Two-Sector Model with Human Capital Externalities" (with Shao Lei), accepted and forthcoming in *Oxford Economic Papers* 2018 (in press)
2. "Health spending, savings, and fertility in a lifecycle-dynastic model with longevity externalities" (with Siew Ling Yew) *Canadian Journal of Economics* 51(1), 186-215 (February 2018)
3. "Money and growth through innovation cycles with leisure" (with Jing Wan) *Economics Letters* 148, 23-26 (November 2016)
4. "Efficient education subsidization and the pay-as-you-use principle" (with Li Bei) *Journal of Public Economics* 129, 41-50 (September 2015)
5. "Subsidies and growth through endogenous cycles" (with Li Bei) *Macroeconomic Dynamics* 18, 1351-1382 (September 2014)
6. "Patents and price regulation in an R&D growth model." (with Jinli Zeng and Michael K Fung), *Macroeconomic Dynamics* 18, 1-22 (January 2014)
7. "Differential Fertility, Inequality and Intergenerational Mobility under Private versus Public Education" (with S. Fan) *Journal of Population Economics* 26, 907-941 (2013)
8. "Socially optimal social security and education subsidization in a dynastic model with human capital externalities, fertility and endogenous growth." (with Siew Ling Yew) *Journal of Economic Dynamics and Control* 37, 154-175 (January 2013)
9. "Income inequality and economic growth with altruistic bequests and human capital investment." (with S. McDonald) *Macroeconomic Dynamics* 16, Supplement No. 3 (2012)
10. "Macroeconomic effects of demography in a world of heterogeneous economic openness and sizes" (with Michael Graff, Kam Ki Tang) *Global Economic Journal* 12 (4), 4.1-4.26 (December 2012)
11. "Urban-rural income disparities and development in a panel data set of China for the period from 1978 to 2006." (with Hong-wei Zhang and Wei-guo Chen) *Applied Economics* 44, 2717-2728 (July 2012)
12. "Time-consistent taxation in a dynastic family model with human and physical capital and a balanced government budget." (with James Davies and Jinli Zeng), *Canadian Journal of Economics* 42(3), 1023-1049 (August 2009)
13. "On high fertility rates in developing countries: birth limits, birth taxes or education subsidies?" (with Yuhua Shi), *Journal of Population Economics* 22, 603-640 (2009)
14. "Longevity, retirement, and capital accumulation in a recursive model with an application to mandatory retirement." (with Junsen Zhang), *Macroeconomic Dynamics* 13, 327-348 (2009)
15. "Optimal social security in a dynastic model with human capital externalities, fertility and endogenous growth." (with Yew Siew Ling), *Journal of Public Economics* 93, 605-619 (April 2009)
16. "Donations in a recursive dynamic model." (with Haoming Liu), *Canadian Journal of Economics* 41(2), 564-582 (May 2008)
17. "Optimal taxation in a growth model with public consumption and home production." (with James B. Davies, Jinli Zeng and Stuart McDonald), *Journal of Public Economics* 92, 885-896 (April 2008)
18. "Optimal Social Security in a Dynastic Model with Investment Externalities and Endogenous fertility." (with Junsen Zhang), *Journal of Economic Dynamics and Control* 31, 3545-3567 (November 2007)

19. "Health, Education and Life-Cycle Saving in the Development Process." (with Kam-Ki Tang), *Economic Inquiry* 45, 615-630 (July 2007).
20. "Effects of longevity and dependent rates on saving and growth: evidence from a panel of cross countries." (with Hongbin Li and Jensen Zhang), *Journal of Development Economics* 84, 138-154 (September 2007).
21. "Subsidies in an R&D growth model with elastic labor." (with Jinli Zeng), *Journal of Economic Dynamics and Control* 31, 861-886 (March 2007).
22. "Inflation Taxation and Welfare with Externalities and Leisure." (with Wai-Ming Ho and Jinli Zeng) *Journal of Money, Credit and Banking* 39, 105-131 (February 2007).
23. "Health Investment, Saving, and Public Policy." (with Michael Leung and Junsen Zhang) *Canadian Journal of Economics* 39, 68-93 (February 2006).
24. "Second Best Debt with Human Capital Externalities." *Journal of Economic Dynamics & Control* 30, 347-360 (February 2006).
25. "Intergenerational Mobility under Private vs. Public Education." (with James Davies and Jinli Zeng), *Scandinavian Journal of Economics* 107, 399-417 (September 2005).
26. "Why Many Eligible Individuals Choose Not to Go on Welfare?" (with Pak Wai Liu and Junsen Zhang), *Economic Inquiry* 43, 385-400 (April 2005).
27. "The Effect of Life Expectancy on Fertility, Saving, Schooling and Economic Growth: Theory and Evidence." (with Junsen Zhang), *Scandinavian Journal of Economics* 107, 45-66 (March 2005).
28. "Income ranking and convergence with physical and human capital and income inequality." *Journal of Economic Dynamics & Control* 29, 547-566 (March 2005).
29. "An Economic Analysis of Life Expectancy with an Application in the United States." (with Michael Leung and Junsen Zhang), *Journal of Health Economics* 23, 737-759 (July 2004).
30. "How Does Social Security Affect Economic Growth: Evidence from Cross-Country Data." (with Junsen Zhang), *Journal of Population Economics* 17, 473-500 (August 2004).
31. "Long-Run Effects of Unfunded Social Security with Earnings-Dependent Benefits." (with Junsen Zhang) *Journal of Economic Dynamics and Control* 28, 617-641 (December 2003)
32. "Optimal Debt, Endogenous Fertility, and Human Capital Externalities in a Model with Altruistic Bequests." *Journal of Public Economics* 87, 1825-1835 (August 2003)
33. "Optimal Price Regulation in a Growth Model with Monopolistic Suppliers of Intermediate Goods." (with Lewis Evans and Neil Quigley) *Canadian Journal of Economics* 36, 463-474 (May 2003)
34. "Rising Longevity, Unintended Bequests, and Endogenous Growth." (with Ronald Lee and Junsen Zhang) *Journal of Development Economics* 70, 83-101 (February 2003)
35. "Comparing Social Security Programs with Leisure and Bequests." *Economics Letters* 78, 59-66 (January 2003)
36. "Long-Run Growth Effects of Taxation in a Non-Scale Growth Model with Innovation." (with Jinli Zeng) *Economics Letters* 75, 391-403 (May 2002)
37. "Urbanization, Population Transition, and Growth." *Oxford Economic Papers* 54, 91-117 (January 2002)
38. "Longevity and Economic Growth in a Dynastic Family Model with an Annuity Market." (with Junsen Zhang) *Economics Letters* 72, 269-277 (August 2001)
39. "Mortality Decline and Long-Run Economic Growth." (with Junsen Zhang and Ronald Lee) *Journal of Public Economics* 80, 485-507 (June 2001)
40. "Long-run Implications of Social Security Taxation for Growth and Fertility." *Southern Economic Journal* 67, 713-724 (January 2001)

41. "Consumption vs. Income Taxes When Private Human Capital Investments Are Imperfectly Observable." (with James Davies and Jinli Zeng) *Journal of Public Economics* 77, 1-28 (July 2000)
42. "Gender Bias and Economic Development in an Endogenous Growth Model." (with Junsen Zhang and Tianyu Li) *Journal of Development Economics* 59, 497-525 (August 1999)
43. "Transition to Market Economies in an Endogenous Growth Model with Altruistic Agents." *Scandinavian Journal of Economics* 101, 11-31 (March 1999)
44. "Fertility, Growth, and Flat-Rate Taxation for Education Subsidies." (with Richard Casagrande) *Economics Letters* 60, 209-216 (August 1998)
45. "Fertility, Growth, and Public Investments in Children." *Canadian Journal of Economics* 30, 835-843 (November 1997)
46. "Government Debt, Human Capital, and Endogenous Growth." *Southern Economic Journal* 64, 281-292 (July 1997)
47. "Fertility and Wage Rates in an Overlapping Generations General Equilibrium Model." (with Junsen Zhang) *Canadian Journal of Economics* 30, 224-234 (February 1997)
48. "Optimal Public Investments in Education and Endogenous Growth." *Scandinavian Journal of Economics* 98, 387-404 (1996)
49. "Social Security and Endogenous Growth." *Journal of Public Economics* 58, 185-213 (October 1995)

Working Papers in Progress:

1. "Fiscal policy and the cyclicalities of savings and innovation" (with Wan Jing)
2. "Optimal fiscal policy in a model of growth through cycles" (with Wan Jing)
3. "Optimal Government Debt with Endogenous Fertility and Elastic Leisure" (with Li Bei),
4. "Pareto optimal taxation and subsidization in an endogenous growth model"
5. "Capital accumulation, population, and taxation in an intergenerational model with Millian optimality"
6. "Intergenerational mobility, social security, and retirement wealth with two-sided intergenerational transfers" (with Lei Shao)
7. "Social Optimality and Government Policy with Increasing Returns in Production and Education Congestion" (with Jinli Zeng)
8. "School enrollment, fertility differential, and development: theory and evidence" (with Haoming Liu)
9. "Elastic labor with growth through cycles and applications to public finance" (with Li Bei)

Research Grants :

Hong Kong RGC Grant on Population Aging (Co-Investigator, with Junsen Zhang): 1998-2001, HKD 480,000

National University of Singapore Research Grant on Fertility, Aging and Growth (Sole Investigator): 2004-07, SGD 25,000

National University of Singapore Research Grant on R&D Growth Models and Government Policy (Co-Investigator, with Jinli Zeng): 2005-2008, SGD 24,000

Australia ARC Discovery Project Grant on Health Investment, Savings, Growth and Government Policy (First Chief Investigator, with Kam Ki Tang): 2008-2010, AUD 230,000+.

National University of Singapore Research Grant on Optimal Taxation (Sole Investigator): 2008-2010, SGD 15,750

National University of Singapore Research Grant on Government Policies in Models with Growth through Cycles (Sole Investigator): 2012-2015, SGD 39,148

Professional Services:

Refereeing for journals: American Economic Review, Applied Economics, Canadian Journal of Economics, China Economic Review, Contemporary Economic Policy, Economic Bulletin, Economic Inquiry, Economic Journal, Economica, Economics Letters, German Economic Review, International tax and Public Finance, Journal of Development Economics, Journal of Economics (Zeitschrift FUR), Journal of Economic Behavior and Organization, Journal of Economic Dynamics and Control, Journal of Human Capital, Journal of Macroeconomics, Journal of Population Economics, Journal of Public Economics, Journal of Public Economic Theory, Journal of Urban Economics, New Zealand Economic Papers, Oxford Economic Papers, Papers in Regional Science, Quarterly Journal of Economics, Scandinavian Journal of Economics, Singapore Economic Review