

ARUN BALACHANDRAN

Department of Sociology

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EDUCATION

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| 2020 | PhD, Demography, The University of Groningen, The Netherlands |
| 2015 | Pre-doctoral Coursework, Institute for Social and Economic Change, Bengaluru, India |
| 2013 | MSc. Economics (Financial), Madras School of Economics, Chennai, India |
| 2011 | B.A. Economics, University of Kerala, Kerala, India |

PROFESSIONAL EXPERIENCE

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| January 2020- January 2021 | Programme Officer, Population Council, New Delhi |
| October 2019-January 2020 | Research Associate, Centre for Population, Health and Development, Tata Institute for Social Sciences, Mumbai |
| June 2019- September 2019 | Research Associate, Indian Council for Medical Research project, Institute for Social and Economic Change, Bengaluru |
| August 2013- July 2014 | Assistant Professor in Economics, School of Management, Lovely Professional University, India |
| June- August 2013 | Academic Author (Economics Wing), ANSR Source Pvt. Ltd., Chennai |

Teaching assignments:

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| October 2020 | Lecture on Global Health Challenges in the course Development themes and Challenges at University of Utrecht, The Netherlands |
| July 2020 | Course on Applied Time Series Econometrics for doctoral scholars at Centre for Economic and Social Studies, Hyderabad, India |
| September 2019 | Course on 'Analyzing longitudinal data in the field of Population Health' for Population Research Centre professionals across India at <i>Training Workshop on Data Management and Analysis</i> at Institute for Social and Economic Change, Bengaluru, |

August 2018	India Course on Applied Demography for post-graduate course at Institute for Health Management Research (IIHMR), Bengaluru, India
August 2017	3-day Workshop on Applied Econometrics using EViews and STATA at Government Arts College, Kottayam, India
November 2016	Lectures at University of Groningen, Netherlands in the courses: (i) Population and Development & (ii) Healthy Ageing

ACADEMIC ACHIEVEMENTS

2021	Visiting Fellowship at Department of Sociology, University of Maryland, USA
2019	Prof. K B Pathak Memorial Award for contributions to methodological innovation in Population and Health, by Indian Association for the Study of Population
2019	Best Paper Award at the 7 th Indian Health Economics and Policy Association Conference organized by Gulati Institute of Finance and Taxation (GIFT), United Nations Population Fund (UNFPA), Azim Premji University and International Institute of Population Studies at Thiruvananthapuram, Kerala, India
2017	Full Scholarship Grant to attend ADRI/IIASA Summer School "Demography, Human Capital and Economic Growth", organized by Asian Demographic Research Institute, Shanghai, China and International Institute for Applied Systems Analysis, Vienna, Austria at Shanghai, China
2015	<i>Ubbo Emmius</i> Fellowship for Doctoral programme at University of Groningen, The Netherlands
2014	Topped in Econometrics and Applied Econometrics in PhD course-work at Institute for Social and Economic Change, India
2014	Indian Council for Social Science Research (ICSSR) Doctoral fellowship for PhD at Institute for Social and Economic Change, India
2013	Passed National Eligibility Test (NET) for lectureship conducted by University Grants Commission, New Delhi
2011	Admission offer and partial scholarship offer from the London School of Economics and Political Science (LSE) for Master's programme

PUBLICATIONS

JOURNAL ARTICLES

Arun Balachandran, K. S James, Leo van Wissen, Samir KC and Fanny Janssen (2021). Can changes in education alter future population ageing in Asia and Europe? *Journal of Biosocial Science*. (Accepted)

Arun Balachandran, K. S James, Leo van Wissen, Samir KC and Fanny Janssen. Can changes in education alter future population ageing in Asia and Europe? *Working Paper 2020/03, Netherlands Interdisciplinary Research Institute (NIDI)*, The Hague. (2020). <https://publ.nidi.nl/output/papers/nidi-wp-2020-02.pdf>

Murray, C. J., Abbafati, C., Abbas, K. M., Abbasi, M., Abbasi-Kangevari, M., Abd-Allah, F.,... **Arun Balachandran**...& Nagaraja, S. B. (2020). Five insights from the global burden of disease study 2019. *The Lancet*, 396(10258), 1135-1159.

James, S. L., Castle, C. D., Dingels, Z. V.,...**Arun Balachandran**,...& Abdelalim, A. (2020). Global injury morbidity and mortality from 1990 to 2017: results from the Global Burden of Disease Study 2017. *Injury Prevention*.

Lozano, R., Fullman, N.,**Arun Balachandran**,.. & Abolhassani, H. (2020). Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*.

Arun Balachandran and K. S. James. A multi-dimensional perspective on the gender gap in health among older adults in India and China: Application of a new ageing measure. *Ageing & Society*, 1-21. doi:10.1017/S0144686X19001521

Arun Balachandran, Joop De Beer, K. S James, Leo Van Wissen, and Fanny Janssen (2019). Comparison of Population Aging in Europe and Asia Using a Time-Consistent and Comparative Aging Measure. *Journal of Aging and Health*, 0898264318824180.

Arun Balachandran and K. S. James (2019). A multi-dimensional measure of population ageing accounting for Quantum and Quality in life years: An application of selected countries in Europe and Asia. *SSM-population health*, 7, 100330.

George, Sobin, **Arun B Chandran**, P. Omkar Nadh, and Apurva KH. Is Drug Development in India Responsive to the Disease Burden? *Economic & Political Weekly* 53, no. 30 (2018): 51.

Arun Balachandran, Joop De Beer, K. S James, Leo Van Wissen, and Fanny Janssen. Comparison of ageing in Europe and Asia: Refining the prospective age approach with a cross-country perspective. *Working Paper 2017/01, Netherlands Interdisciplinary Research Institute (NIDI)*, The Hague. (2017). <https://www.nidi.nl/shared/content/output/papers/nidi-wp-2017-01.pdf>

BOOK CHAPTERS

K. S. James and **Arun Balachandran**. “Demographic Change and Political Implications in India, Bangladesh and Pakistan”. In “*Global Political Demography: The Politics of Population Change*”. Palgrave MacMillan, 2021 (Accepted)

Arun Balachandran. “Quantifying population ageing: Re-thinking Methodologies” in *Handbook of Population Ageing*. Springer, 2021 (Accepted)

Arun B Chandran, and Anushree, K. N. "Climate Change and Sugarcane Productivity in Karnataka." In *Climate Change Challenge (3C) and Social-Economic-Ecological Interface-Building*, pp. 389-399. Springer, Cham, 2016.

RESEARCH BRIEFS

Arun Balachandran, K G Santhya and N Haberland. 2020. “Exploring the digital divide Access to and use of mobile phones, the internet, and social media by adolescents and young adults in Uttar Pradesh”. Policy Brief. New Delhi: Population Council.

Arun Balachandran, K G Santhya and N Haberland. 2020. “Exploring the digital divide Access to and use of mobile phones, the internet, and social media by adolescents and young adults in Bihar”. Policy Brief. New Delhi: Population Council.

OPINION IN MEDIA

Arun Balachandran. ‘*Is Ayushman Bharat the answer to India’s healthcare woes?*’ *eSocialSciences.org* (National level social science blog), February 28, 2019.

Arun Balachandran. ‘*Finance Panel: Changing Priorities*’. Deccan Herald (National Newspaper), May 06, 2018.

MANUSCRIPTS IN PREPARATION/SUBMITTED FOR REVIEW ---

Arun Balachandran and K S James. “An Evaluation of the Economic Dependency in India” (under review)

Sobin George and **Arun Balachandran**. “The economic burden of anti-cancer medicines in India: Evidence from data on expenditure on medicine and drug prices” (under review)

Arun Balachandran and Satheesha B. “Labour force participation among the elderly in India: Choice or compulsion?” (in preparation)

CONFERENCE PRESENTATIONS ---

TALKS

Arun Balachandran. Re-defining population ageing in India using new ageing indicators. Talk presented at 40th Annual Conference on Population, Nutrition and Development, organized by

Indian Association for Study of Population at Thiruvananthapuram, India, 2019.

Arun Balachandran. Development in Kerala and Srilanka: An understanding through new measure of population ageing. Talk presented at Young Scholar's Initiative (YSI), Asia Convening, organized by Institute for New Economic Thinking (INET), New York at Hanoi, Vietnam, 2019.

Arun Balachandran and K S James. A new ageing measure for multidimensional perspective on Gender Gap among older adults: A case of India and China. Talk presented at International Conference on Ageing in Asia, organized by Institute for Social and Economic Change, Bengaluru; International Institute for Population Sciences, Mumbai; and Program on the Global Demography of Aging, Harvard T.H. Chan School of Public Health, Harvard University, Boston, USA, at Bengaluru, India, 2019.

Arun Balachandran. Re-conceptualizing population ageing in India as a Triumph of Public Health: A multi-dimensional analysis. Talk presented at International Conference on 'New Directions for Research on Ageing: Work, Care, and Mobility', organized by Public Health Evidence South Asia (PHESA), Manipal Academy of Higher Education, India, in collaboration with Center for Innovative Ageing, Swansea University, U.K, International Institute for Population Sciences, Mumbai and Department of Human Geography and Planning, Utrecht University, The Netherlands, at Manipal, India, 2019.

Arun Balachandran. Conceptualizing population ageing in India as a Triumph of Public Health: An analysis using new ageing indicator. Talk presented at 7th Indian Health Economics and Policy Association Conference organized by Gulati Institute of Finance and Taxation (GIFT), United Nations Population Fund (UNFPA), Azim Premji University and International Institute of Population Studies at Thiruvananthapuram, Kerala, India, 2019.

Arun Balachandran Epidemiological and Health Patterns in India and new policy responses. Talk presented at 3rd Law Economics Policy Conference on Health 2018, organized by National Institute of Public Finance and Policy, New Delhi and Institute for New Economic Thinking, New York at New Delhi, India, 2018.

Arun Balachandran and Anushree K N. Health among the Elderly in India and China: A Comparison of Subjective and Objective Health outcomes. Talk presented at the Asian Population Association (APA) Conference, Shanghai, China, 2018.

Arun Balachandran, Joop De Beer, K. S James, Leo van Wissen, and Fanny Janssen. Comparison of ageing in Europe and Asia: An analysis using mortality adjusted ageing measure. Talk presented at International Seminar on Mortality Analysis and Forecasting, jointly conducted by International Union for Scientific Study of Population (IUSSP), Max Planck Odense Center on the Biodemography of Aging (Denmark), Australian National University (Australia) and Jawaharlal Nehru University (India) at New Delhi, India, 2017.

Arun Balachandran, Joop De Beer, K. S James, Leo van Wissen, and Fanny Janssen. Comparing ageing in Europe and Asia: adjusting for life-expectancy and cross-country differences. Talk presented at European Population Conference, Mainz, Germany, 2016.

Arun Balachandran, Joop De Beer, K. S James, Leo van Wissen, and Fanny Janssen. Comparing ageing in Europe and Asia using a new mortality adjusted ageing indicator. Talk presented at Healthy Ageing, Population and Society (HAPS) Seminar organized by University of Groningen, Netherlands and Netherlands Interdisciplinary Demographic Institute (NIDI), Hague, Netherlands at Groningen, Netherlands, 2016.

Arun Balachandran, Joop De Beer, K. S James, Leo van Wissen, and Fanny Janssen. The need for Comparison of current and future ageing in Europe and Asia using new ageing Indicators. Talk presented at International Seminar on 'Ageing and Well-being: Cross-Cultural Perspectives on Health and Social Care' organized by *AgeGlobe*, a research team comprising of 5 Global Universities/Institutes working in the area of population ageing: Tata Institute of Social Sciences, Mumbai; Institute for Social and Economic Change, Bengaluru; Centre for Development Studies, Thiruvananthapuram; The University of Groningen, Netherlands, and University of Southampton, UK, at Bengaluru, India, 2016.

Arun B Chandran, and Anushree, K. N. Climate Change and Sugarcane Productivity in Karnataka. Talk presented at International Seminar on Climate Change and Food Security: The Global and Indian Contexts organized by Institute for Social and Economic Change, Bengaluru and The University of Sydney, Australia at Bengaluru, India, 2015.

POSTERS

Arun Balachandran, Joop De Beer, K. S James, Leo van Wissen, and Fanny Janssen. New ageing indicators in Europe and Asia: Needs and Insights. Poster presented public involvement programme at Municipality of Groningen called 'How to get to 100 - and enjoy it', organized by Healthy Ageing and Population Society (HAPS), University of Groningen, Netherlands, 2016

Arun Balachandran, Joop De Beer, K. S James, Leo van Wissen, and Fanny Janssen. Comparing ageing in Europe and Asia using new ageing Indicators: Few Insights. Poster presented at Dutch Demography Day organized by Dutch Demographic Society (NVD) at Utrecht, Netherlands, 2015

PARTICIPATION

- 2018 *"National Conference on Health Inequities in India: Transformative Research for Action"*, organized by Achutha Menon Centre for Health Science Studies, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Trivandrum, Kerala, India.
- 2016 28th REVES (Network on Health Expectancy) Conference on '*Determinants of Unusual and Differential Health Expectancy*' organized at Vienna University of Economics and Business, Vienna, Austria
- 2015 Seminar on New Directions in Health Economics, organized by Department of Economics, University of Groningen

WORKSHOP PARTICIPATION

- July 2020 Research training course on Data Visualization-the art/skill cocktail (in R software), organized by the International Advanced Studies in Demography Research Training Programme and the Max Planck Institute for Demographic Research, Rostock, Germany

- July 2019 5th International Growth Centre-Indian Statistical Institute (IGC-ISI) Summer School on Development Economics, directed by London School of Economics and University of Oxford, held at New Delhi, India
- June 2017 ADRI/IIASA Summer School on '*Demography, Human Capital and Economic Growth*' organized by Asian Demographic Research Institute, Shanghai, China and International Institute for Applied Systems Analysis, Vienna, Austria at Shanghai, China
- June 2017 Summer School on Health Economics and Policy organized by Indian Health Economics and Policy Association (IHEPA) and Azim Premji University, Bengaluru, India, at Bengaluru, India
- June 2016 Summer School programme on '*The Demography of Health and Education*' organized by Wittgenstein Centre (IIASA, VID/ÖWA, WU), Vienna, Austria, at Vienna, Austria
- May, 2015 Workshop on '*Participatory Research Approaches in the Field of Ageing*' organized by Tata Institute of Social Sciences, Mumbai in collaboration with Institute for Social and Economic Change, Bengaluru, Centre for Development Studies, Thiruvananthapuram, University of Groningen, Netherlands, and University of Southampton, UK, at Mumbai, India.

PROFESSIONAL AFFILIATIONS AND SERVICES

Journal Reviews for:

British Medical Journal Global Health, Vienna Yearbook of Population Research, SSM-Population Health, Social Indicators Research, Children and Youth Services Review, Ageing & Society, Archives of Gerontology and Geriatrics

Professional Organization Memberships

- Dutch Demographic Society (NVD)
- Asian Population Association (APA)
- International Union for Scientific Study of Population (IUSSP)
- Healthy Ageing and Population Society (HAPS), University of Groningen, Netherlands
- Indian Health Economics and Policy Association (IHEPA)

Other Professional Services

- Coordinator of the *South Asia Working Group* of Young Scholars' Initiative (YSI), an initiative by the Institute for New Economic Thinking (INET), New York, USA.
- Member of Early Career Task Force of International Union for the Scientific Study of Population (IUSSP)

- Contributed to the advisory report titled “Dare to Share”, prepared by the Dutch Government’s Advisory Council for Science, Technology and Innovation (AWTI), The Netherlands. The report was on open science, specifically open access and sharing of research data.
- Organizer of *Southern Demography*, a research group formed by young demographers and development economists from the Global South.

ACADEMIC PROJECTS

2013	Modelling Happiness among Youth (Masters Dissertation)
2012	Alternate Measures to Development: Happiness Index and Human Development Index (Research Internship report submitted at Centre for Development Studies, India)

LANGUAGE PROFICIENCY

Advanced: English, Hindi, Malayalam; Intermediate: Sanskrit and Tamil