

Abdul A Erumban
Curriculum Vitae

March 2023

Current position

Assistant Professor, Faculty of Economics & Business; Associate Fellow, Faculty of Economics & Business Research Institute, University of Groningen
Senior Fellow (honorary), The Conference Board
Academic member (honorary), The Productivity Institute, Alliance Manchester Business School, The University of Manchester

Personal

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Citations (as of March 2023) and research interests

Google scholar citation:	4,043
h-index	21
i10-index	32

Research interests: productivity, technological change, structural change, impact of digital transformation, ICT, and intangibles on growth and productivity, globalization, global value chain, and international comparisons of economic development (with a special interest in issues in developing economies, particularly India, China, and the Middle East economies)

Most recent publications

- with van Ark, B., and de Vries, K (2022) *Are Intangibles Running out of Steam?* paper presented at the 7th World KLEMS Conference, Manchester, October 2022
- with Krishna, K.L., Goldar, B., Das, D.K, Aggarwal, S., and Das, P.C (2022), [India Productivity Report](#), Reserve Bank of India
- with Krishna, K.L., Goldar, B., Das, P.C., and Aggarwal, S. (2022), Sources of India's Post-reform Economic Growth: An Analysis based on India KLEMS Database, [Economic and Political Weekly](#), 57(3), 36-41
- with de Vries, G (2021) Industrialization in developing countries: is it related to poverty reduction?, [UNU WIDER Working Paper 172/2021](#)
- with van Ark, B., and de Vries, K (2021). Productivity and the Pandemic: Short-Term Disruptions and Long-Term Implications, [International Economics and Economic Policy](#), 1-30
- with van Ark, B., and de Vries, K (2021). [How to not miss a productivity revival once again?](#) *National Institute Economic Review*, 255.
- with Das, D.K., Mallick, J (2019), [Economic growth in India during 1950–2015:](#)

[Nehruvian socialism to market capitalism](#), *Journal of Economic Surveys*, December 2019.

- with Das, D.K., Aggarwal, S, and Das, P (2019), [Structural Change and Economic Growth in India](#), *Structural Change and Economic Dynamics*, 51, 186-202.

Professional Qualifications

- 2011: *Training in University Teaching (Basis Kwalificatie Onderwijs, BKO)*. University of Groningen, Groningen, the Netherlands.
- 2008: *Ph.D. in Economics*. University of Groningen, Groningen, the Netherlands.
- 2000: *M.Phil. in Applied Economics*. Centre for Development Studies, Trivandrum (Jawaharlal Nehru University, New Delhi), India
- 1997: *M.A. in Development Economics*. Dr. John Matthai Centre, Trichur (Department of Economics, University of Calicut, Calicut), India
- 1995: *B.A. in Economics*. University of Calicut, Calicut, India

Professional Experience

- 2020- (1fte¹): Asst. Professor, University of Groningen
- 2013 – 2020 (1fte): Senior Economist, The Conference Board
- 2013 – 2019 (0.2fte): Assistant Professor, University of Groningen
- 2010 – 2013 (1fte): Assistant Professor, University of Groningen
- 2008 – 2010 (1fte): Post-doc, University of Groningen
- 2003 – 2008 (1fte): Ph.D., University of Groningen
- 1999 – 2003 (1fte): University Grants Commission - Junior Research Fellow, Centre for Development Studies, Trivandrum, India

Teaching and supervision

- 2021 - present: *Empirical Research Project, Research Paper for Economics and Business Economics*, University of Groningen.
- 2020: *Global Political Economy, International Business Environment, Empirical Research Project* University of Groningen.
- 2017: Guest lecture: *Socio-Economic Development in India*, Global Development Studies, University of Groningen, December 2017
- 2013 – present: *Comparative Country Studies*, University of Groningen (course coordinator).
- 2011 – 2013: *Research Methods I*, University of Groningen.
- 2010 – 2012: *International Economics 2b*, University of Groningen.
- 2009 – 2013: *Statistics 2*, University of Groningen.
- 2009 – 2013: *Mathematics & Data Analysis*, University of Groningen.
- 2005 – 2008: *International Monetary Economics*, University of Groningen.
- 1999 – 2000: *Production functions: Theory and Estimation*, Centre for

¹ Fte=fulltime equivalent.

Development Studies, Trivandrum, India.

- 2013-present: Master thesis and bachelor thesis supervision (both in economics and international business streams)

Other activities

- Consultant: International Labour Organization
- Technical advisor, Asia KLEMS project
- Researcher, India KLEMS project, Reserve Bank of India
- Senior Fellow, the Conference Board
- Academic member, the Productivity Institute at the Alliance Manchester Business School
- Advisory board member, Groningen Indian Students Association, University of Groningen
- A regular (invited) contributor to [ifo World Economic Survey](#)
- **Referee:** Review of Income and Wealth, Structural Change & Economic Dynamics, Economics Systems Research, Telecommunication Policy, Applied Economics, World Development, Quarterly Review of Economics and Finance, etc.

Select Fellowships/ research grants / awards

- 2021: International Labour Organization: research project on “Productivity and diversification in Arab economies.”
- 2020: Fellowship, Kuwait Foundation for the Advancement of Sciences: for the project "Labor market dynamics in the GCC economies."
- 2018: European Commission Fellowship Initiative 2018-2019 "Productivity and Innovation Competencies in the Midst of the Digital Transformation Age: An EU-US Comparison", together with Bart van Ark and Klaas de Vries
- 2017: Passion for excellence award, The Conference Board
- 2016: Sloan foundation financial support to study the wage-productivity gap in the United States, compared with the European countries
- 2016: One of the staff members chosen to ring the [closing bell of the New York Stock exchange](#), on the occasion of the centenary celebration of the Conference Board, July 12.
- 2010: Best poster award for the paper “*Formal-informal linkages and informal sector dynamics: evidence from India*” at the 31st General Conference of The International Association for Research in Income and Wealth St. Gallen, Switzerland, August 22-28, 2010 (coauthored with Janneke Pieters, Ana I. Moreno-Monroy)
- 2003: Best paper award for the paper “*Cross Country differences in ICT adoption: A consequence of culture*” in SOM competition-2003, University of Groningen, Groningen, the Netherlands (coauthored with Simon de Jong)
- 1999: Junior Research Fellowship by the University Grants Commission, India.

Select Publications (Journal Articles/Book Chapters)

- with Krishna, K.L., Goldar, B., Das, D.K., Aggarwal, S., and Das, P.C (2022), Sources of India's Post-reform Economic Growth: An Analysis based on India KLEMS Database, [Economic and Political Weekly](#), 57(3), 36-41
- with Al-Mejren, A (2022), Expatriate Jobs and Productivity: Evidence from GCC Economies, Available at SSRN: <https://ssrn.com/abstract=4243381> or <http://dx.doi.org/10.2139/ssrn.4243381>, under review, *Structural Change and Economic Dynamics*
- with de Vries, G (2021) Industrialization in developing countries: is it related to poverty reduction?, [UNU WIDER Working Paper 172/2021](#), under review, *Review of Income and Wealth*.
- with van Ark, B., and de Vries, K (2021). Productivity and the Pandemic: Short-Term Disruptions and Long-Term Implications, [International Economics and Economic Policy](#), 1-30
- with van Ark, B., and de Vries, K (2021). [How to not miss a productivity revival once again?](#) *National Institute Economic Review*, 255.
- (2020), [An Analysis of Global Value Chain Incomes in Indian Industries](#), In S. Aggarwal., D.K. Das., and R. Banga (eds.) *Accelerators of India's Growth—Industry, Trade and Employment*, Springer.
- with Das, D.K (2020), [ICT investment and economic growth in India: An industry perspective](#), In D. Maiti, F. Castellacci and A. Melchior (eds.), *Digitalisation and Development: Issues for India and Beyond*, Springer.
- (2019), with Das, D. K., Aggarwal, S., and Das, P. C, [What is new about India's economic growth? An industry level productivity perspective](#). *Indian Growth and Development Review*, 13(1),11-36.
- with Das, D.K., Mallick, J (2019), [Economic growth in India during 1950–2015: Nehruvian socialism to market capitalism](#), *Journal of Economic Surveys*, December 2019.
- with Das, D.K., Aggarwal, S, and Das, P (2019), [Structural Change and Economic Growth in India](#), *Structural Change and Economic Dynamics*, 51, 186-202.
- with van Ark, B (2019) [Consumentenvertrouwen wereldwijd op hoog niveau](#) (original in Dutch; English translation: Consumer confidence at a high level worldwide), *Economisch Statistische Berichten*, 9 May.
- with Krishna, K.L., Goldar, B.N., Das, D.K., Aggarwal, S., and Das, P.C (2019), [Manufacturing Productivity in India: The Role of Foreign Sourcing of Inputs and Domestic Capacity Building](#), In Fraumeni, B (ed.), *Measuring Economic Growth and Productivity: Foundations, KLEMS Production Models, and Extensions*, Elsevier.
- (2019), with Bart van Ark and Klaas de Vries, [Productivity and Innovation Competencies in the Midst of the Digital Transformation Age: An EU-US Comparison](#), *European Commission discussion paper 119*, European Commission Fellowship Initiative 2018-2019

- with van Ark, B (2018), [Productivity in the global economy](#), In Das, D.K (eds.), *Productivity Dynamics in Emerging and Industrialized Countries*, Routledge.
- with, Inklaar, R.C., and de Vries K (2018), [Global Growth Accounting: The Role of Shifting Investment Patterns](#), In Das, D.K (ed.) *Productivity Dynamics in Emerging and Industrialized Countries*, Routledge.
- with Goldar, B.N., Krishna, K.L, Aggarwal, S.C., Das, D.K, and Das, P.C (2017), [Productivity growth in India since the 1980s: the KLEMS approach](#), *Indian Economic Review*.
- with Das, D.K., Aggarwal, S., & Sengupta, S. (2016). [Productivity Growth in India Under Different Policy Regimes](#). In D.W. Jorgenson., K. Fukao, K., & M.P.Timmer (Eds.), *The World Economy: Growth or Stagnation?* Cambridge University Press
- with Das, D. K. (2016). [Information and Communication Technology and Economic Growth in India](#). *Telecommunications Policy*, 40 (5), 412–431
- with de Vries, G., Timmer, M., Voskoboynikov, I., & Wu, H. X. (2015). [Deconstructing the BRIC: Structural Transformation and Aggregate Productivity Growth](#). In W. Naudé, A. Szirmai, & N. Haraguchi (Eds.), *Structural Change and Industrial Development in the BRICS*. Oxford University Press (pp. 66-90). Journal version in: [Journal of Comparative Economics](#), 40(2), 211-227, 2012.
- with Moreno-Monroy, A. I., Pieters , J. (2014). [Formal sector subcontracting and informal sector employment in Indian manufacturing](#), *IZA Journal of Labor & Development*, 3(22), 1-17.
- with Timmer, M. P, Los, B., Stehrer, R., & de Vries, G. J. (2014). [Slicing Up Global Value Chains](#). *Journal of Economic Perspectives*,28(2), 99-118.
- with Timmer, M. P. (2012). [The dark side of creative destruction: innovation and retirement of capital](#). *Industrial and Corporate Change*, 21(5), 1149-1174.
- with van Ark, H. H., Gupta, A. (2011). Measuring the contribution of ICT to economic growth. In B. Ark (Ed.), [The linked world: How ICT is transforming societies, cultures, and economies](#). (pp. 9 - 35). Madrid: Fundación Telefónica.
- with van Ark, H. H, Chen, V., & Kumar, U. (2010). [The cost competitiveness of manufacturing in China and India: An industry and regional perspective](#). In B. Eichengreen, P. Gupta, & R. Kumar (Eds.), *Emerging giants: China and India in the world economy*. Oxford: Oxford University Press.
- (2009). [Productivity and Unit Labor Cost in Indian Manufacturing: A Comparative Perspective](#), *Economic and Political Weekly*, 44 (15), 39-48
- (2008). [Rental prices, rates of return, capital aggregation and productivity: Evidence from EU and US](#). *CESifo Economic Studies*, 54(3), 499-533.
- (2008). [Lifetimes of machinery and equipment: evidence from Dutch manufacturing](#). *Review of Income and Wealth*, 54(2), 237-268.
- with Dougherty, S. M., Herd, R., Chalaux, T. (2008). [India's growth pattern and obstacles to higher growth](#). (623 ed.) Paris: OECD.
- with de Jong (Simon), S. (2006). [Cross-country differences in ICT adoption: A consequence of culture?](#) *Journal of World Business*, 41(4), 302-314.

- (2005). [Domestic capacity utilisation and import of capital goods: Substitutes or complementary evidence from Indian capital goods sector](#). In D. Tendulkar, A. Mitra, K. Narayanan, & D. Kusum Das (Eds.), *India: Industrialisation in a reforming economy - Essays for K.L. Krishna*. 141-156
- (2001), [Utilisation of Optimal Capacity in Indian manufacturing](#), 1974-96, *Applied Economics Letters*, 8, 623-28

Select Blogs / Media

- (2020) with Addisu Lashitew, Could services drive globalization in the post-COVID-19 world? [Brookings Future Development Series](#), June 17, 2020,
- (2020) Intelligent Lockdown to Combat COVID-19: The Dutch Way, Azim Premji University, Bangalore, [University-Practice Connect series](#).
- (2020) Which tech companies could get hit by COVID-19, and what should they watch out for?, Protocol's Braintrust editor Kevin McAllister interviews economists, [Protocol](#), March 10, 2020
- (2019) with Bart van Ark, Global Economic Outlook 2019: Emerging Asia slower and riskier, but still ahead of the pack, [Asian Link](#), Issue 32 2019
- (2018) with Erik Lundh, Is the Trade Resurgence Sustainable? op-ed, [Wharton@Knowledge](#).
- (2019) Media comment on Consumer Confidence, [Arab Times](#) (July 5-6, p.15).
- (2018) with Bart van Ark, Economic Outlook 2018 Is the Global Growth Glass Half Full or Half Empty? [Asian Link](#), Issue 28 2018
- (2017) with Ataman Ozyildirim, What's in Store for Emerging Markets? [Emerging Market Views](#), August 09, 2017
- (2017) Emerging Markets in 2017: Trends To Watch, [Emerging Market Views](#), @emviews, February 6, 2017
- (2016) China surpasses US as biggest overseas investor, media comment, May 12. [Times of India](#)
- (2016) India's Demonetization: Good Intentions, Bad Implementation? [Emerging Market Views](#), December 12, 2016
- (2014) On Korea's productivity potential (in Korean), [hankyung.com](#)
- (2013) [Interview with Abdul A. Erumban](#), International Affairs Forum, 4 (1), 2013

Select Research projects/reports completed at the Conference Board

- 2021: [GCC Job Nationalization Policies: A Trade-Off between Productivity and Employment](#)
- 2019: [Going Local: Changing Global Value Chains and the Impact on Revenue and Jobs](#)
- 2019: [Global Economic Outlook 2019: Emerging Asia—Slower and Riskier, but Still Ahead of the Pack](#)
- 2018: [Trading Up: With Global Growth Finally on the Rise, Is the Trade Recovery](#)

Sustainable?

- 2018: [Global Economic Outlook 2018: Emerging Asia: Slowing, but Still Leading the Way](#)
- 2018: [Global Growth Projections for The Conference Board Global Economic Outlook 2019](#).
- 2017: EU KLEMS update project (funded by the European Commission)
- 2016: [Navigating the New Digital Economy: Driving Digital Growth and Productivity from Installation to Deployment](#)
- 2016: [Help Wanted: What Looming Labor Shortages Mean for Your Business](#)
- 2016: [Global Economic Outlook 2016: The Global Economy in a Holding Pattern](#)
- 2015: [Wage-Productivity Growth Gap: An Analysis of Industry Data](#)
- 2015: [Prioritizing Productivity to Drive Growth, Competitiveness, and Profitability: Strategic Overview](#)

Past research collaborations

- World Input-Output Analysis Project (WIOD), European Commission, University of Groningen, 2009-2012
- Measuring the contribution of Telecom to economic growth (funded by Telefonica), University of Groningen and the Conference Board, 2008
- Sources of growth in Turkish manufacturing sectors (supported by TUSIAD), University of Groningen and the Conference Board, 2008
- Unit labor cost in Indian manufacturing (part of OECD India economic survey), University of Groningen, 2006-2007

Other experiences

Active engagement in several academic and business interactions, including:

- Attendance of several academic conferences, including regular attendance of World KLEMS meetings at the Harvard, and IARIW conferences;
- several council presentations on the economic outlook, productivity, structural change, global value chain, skill challenges of emerging markets and digital transformation to C-suite leaders of various multinational companies across Europe and Asia;
- occasional webcast series discussing issues related to the global economy, with particular focus on emerging markets;
- several in-person company briefings in several multinational companies across Europe (e.g., Bekaert, Philips, Solvay);
- presentations to academia, business, policy, and banking community in the Gulf Corporation Council countries regarding diversification and economic development in the region.

Conferences/Seminars

Invited talks/presentations

- **Invited Speaker:** ILO/IOE/SNEF Regional EBMO Forum, [Delivering Value in the shifting World](#), Singapore, 05 December, 2022
- **Invited Panelist:** “[Revitalizing productivity growth and skills for more and better jobs](#)”, 17th Asia-Pacific regional meeting, International Labour Organization, Singapore, 8 December, 2022 (co-panellists: Feng Tian, Sonya Janahi, Muchtar Aziz, and Caryn Lim)
- **Invited Speaker:** Seminar on Manufacturing Productivity and India’s economic growth, ISID, New Delhi, 18 November 2022.
- **Speaker:** Vikasarth 2022 Session 2: [Emigration, Consumption Boom and the Service Economy](#), September 22, 2022, Institute for New Economic Thinking, New York (together with [CPPR](#), Cochin).
- **Discussant:** Russia Integrates : Deepening the Country’s Integration in the Global Economy, by Apurva Sanghi, World Bank, at XXII April International Academic Conference on Economic and Social Development, Higher School of Economics, Moscow, April 19, 2021
- **Speaker:** International Special Lecture on "The state of Global Economy and India in the Post Pandemic", State Bank of India Institute, November 06, 2020
- **Speaker:** Digital Transformation and Productivity, Capacity building programme 2020-2021, Government Women’s college, Thiruvananthapuram, Kerala, India, November 20 , 2020.
- **Panelist:** Panel discussion organized by the Indian Embassy to the Netherlands, The Hague, “Relevance of Dr. Babasaheb Ambedkar's thoughts Today", April 14 2020, Indian Embassy2020 – online meeting due to the Coronavirus social distancing.
- **Speaker:** South Asia Talk series, The state of the Indian Economy, University of Groningen, February 26, 2020.
- **Guest lecture:** *Socio-Economic Development in India*, Global Development Studies, University of Groningen, December 2017
- **Panelist:** Panel Discussion on Productivity in Asia: A Review, 2nd Asia KLEMS International Conference, August 22-23, 2013, Seoul National University, Seoul, South Korea
- **Speaker:** The Untold Story: Structural Change for Poverty Reduction – the case of the BRICS, UNIDO-UNU international workshop, UNIDO, Vienna, August 16-17, 2012.
- **Speaker:** Plenary discussion (India), First Asia KLEMS conference, Asian Development Bank Institute (ADBI), Tokyo, 27 July 2011
- **Speaker:** Improving capital measurement using microdata' Talk given at the Central Bureau of Statistics, the Hague, the Netherlands, 24 February 2009.

Select Conference presentations / discussions

- IARIW-TNBS Conference on “[Measuring Income, Wealth and Well-being in Africa](#)”, Arusha, Tanzania, November 11-13, 2022
- [7th World KLEMS](#) conference, University of Manchester, UK, 12-13 October 2022
- [6th World KLEMS](#) conference, Harvard University (virtual) March 9, 10, 16, 17

2021.

- 5th Asian KLEMS Conference, Tsinghua China Data Center, Tsinghua University, Beijing, October 14-15, 2019
- 5th World KLEMS conference, Harvard University, USA, June 4-5, 2018
- 35th IARIW General Conference, Copenhagen, Denmark, August 20-25, 2018
- 61st World Statistics Congress, Marrakech, Morocco, July 16-21, 2017
- 25th Anniversary Conference: The Groningen Growth and Development Centre (GGDC), University of Groningen, 28-30 June 2017.
- 4th World KLEMS conference, BVVA Foundation, Madrid, Spain, May 23-24, 2016
- The Society for Economic Measurement Conference, Thessaloniki, Greece, July 6-8, 2016.
- 2nd Asian KLEMS International Conference, August 22-23, 2013, Seoul National University, Seoul, South Korea
- 2nd World KLEMS conference, Harvard University, USA, August 10-11, 2012
- 32nd IARIW conference, Boston, the USA, August 5-11 2012
- Final WIOD Conference: Causes and Consequences of Globalization, Groningen, The Netherlands, April 24-26, 2012
- Conference on the official launch of the World Input-Output Database (WIOD), European Commission, Brussels, Belgium April 16, 2012
- The 16th World Congress of International Economic Association Held at Tsinghua University, July 4-8, 2011, Beijing.
- Spring Meeting of Young Economist, 2011, University of Groningen, Groningen, 16 April 2011
- 31st General Conference of The International Association for Research in Income and Wealth, St. Gallen, Switzerland, August 22-28, 2010
- 1st World KLEMS meeting, Harvard University, August 18-20, 2010
- WIOD Conference on Industry-level analyses of globalization and its consequences, May 26-28 2010, Technische Universitaet Wien, Vienna
- 43rd Annual Conference of the Canadian Economics Association, May 28-31, 2009, University of Toronto, Ontario, Canada
- International Comparisons of Production and Income, Workshop at the University of California Davis. April 30 - May 1, 2009
- Conference on “India and China's Role in International Trade and Finance and Global Economic Governance” organized by the Indian Council for Research on International Economic Relations (ICRIER), the Konrad-Adenauer-Foundation (KAF) and the International Monetary Fund (IMF) December 6-7, 2007, New Delhi
- 22nd Annual European meeting of the European Economic Association and the Econometric Society (EEA/ESEM) in Budapest, Hungary, August 27 – 31, 2007

- CESifo Economic Studies Conference on Productivity and Growth, CESifo Conference Centre, Munich, Germany, June 22-23, 2007
- Workshop on “Recent Developments in International Comparisons of Output and Productivity” April 22-23, 2007, University of Groningen
- DRUID-DIME Academy Winter Conference on “The Evolution of Capabilities and Industrial Dynamics,” Aalborg, 26-28 January 2006.
- TEG conference on " The Measurement and Analysis of Innovation and Productivity Growth," Groningen, 10-11 November 2005,
- European Summer School in Industrial Dynamics, Corsica, France in September 2005
- 28th general conference of the International Association for Research in Income and Wealth, Cork, Ireland, August 2004
- Conference on Models and Methods in Economics organized by The Indian Statistical Institute (ISI), Calcutta, during January 29-31 2002.
- 3rd Annual Workshop on Bayesian Econometrics and Recent Advances in Quantitative Economics organized by The Indian Statistical Institute, Bangalore, March 7-10 2001
- Winter School in Quantitative Economics organized by the Indian Institute of Management, Calcutta, during January 1-7 2001.
- Conference to honor Prof. K.L Krishna, Delhi School of Economics, New Delhi, December 2000 and at the Winter School in Quantitative Economics, Indian Institute of Management, Calcutta, January 2001
- 36th Annual Conference of the Indian Econometric Society, Indore, India, Feb 2000.
- Winter School in Quantitative Economics organized by the Indian Statistical Institute (ISI), New Delhi, during December 3-10 1999
- 35th Annual Conference of the Indian Econometric Society, Jaipur, India, March 1999.

Academic References

1. **Prof. Dr. Bart van Ark**, Professor of Productivity Studies, Alliance Manchester Business School, The University of Manchester, UK, Tel: +44 7483 269760, e-mail: bart.vanark@manchester.ac.uk
 2. **Prof. Dr. Marcel P. Timmer**, Professor, Faculty of Economics and Business, University of Groningen, Global Economics & Management, Nettelosje 2, 9747 AE, Groningen, the Netherlands. Tel: +31 50 363 3653, e-mail: m.p.timmer@rug.nl
 3. **Prof. Dr. K.L. Krishna** (Hon. Prof. Delhi School of Economics, New Delhi), 97, Munirka Enclave, Nelson Mandela Road, New Delhi – 110 067. Tel: +91 011 2619 2768, Mobile: 09871086770, email: krishna@econdse.org
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