

## Macroeconomics of Emerging Economies during Covid-19

TARIKA SINGH SIKARWAR\*  
ANIVESH GOYAL\*\*  
SONU SINGH SURYAVANSHI\*\*\*

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### Abstract

The spread of covid-19 affects a large number of people all over the world. It has spread to almost all the countries around the world. Countries suffered substantial economic losses due to lockdowns or various restrictions imposed by the governments of countries. The present study is an effort to comprehend the effect of covid-19 on potential output, productivity growth, per-capita income, unemployment, and inflation of emerging economies in the long run and contribute to the available literature on the topic. The results indicate implications for the Potential output of the U.S.; Productivity, the growth of Mexico and Australia; Unemployment for India and Spain while Inflation for Mexico and Japan. Not all economies are affected at the same level and on the same economic indicator. How strong the economy in terms of macroeconomic indicators is, can be accessed through the results of the study.

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### I. Introduction

THE OUTBREAK OF various infectious diseases is widespread for a few decades. The infectious disease that marked its place worldwide, excepting very few countries, is Covid-19.

Due to the restrictions, it was apparent that this was going to affect the economies of the countries very badly, whether it may advanced, emerging markets or developing countries as almost all the economic activities were either at pause or continued at a meager pace. This has affected all three fronts - production front, consumption front, and growth/trade front.

\* Professor, Prestige Institute of Management & Research Gwalior, Opposite DD Nagar, Airport Road, Gwalior Madhya Pradesh, 474020, INDIA.

\*\* MBA Graduate, Prestige Institute of Management & Research Gwalior, Opposite DD Nagar, Airport Road, Gwalior, Madhya Pradesh 474020, INDIA.

\*\*\* MBA Graduate, Prestige Institute of Management & Research Gwalior, Opposite DD Nagar, Airport Road, Gwalior, Madhya Pradesh 474020, INDIA

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### References

- Addison, T., K. Sen and F. Tarp, (2020), "COVID-19: macroeconomic dimensions in the developing world.", *UNU-WIDER project on Academic Excellence*, 2020, Vol. 74, pp.1-35.
- Agarwal, A., and Y. Agarwal, (2020), "Developing the Banking System Stability Index (BSSI) : Comparison and Ranking of Banking System of 127 Countries.", *Finance India*, Vol. XXXIV, No. 4, pp.1219-1270.
- Aldasoro, I., J. Frost, L. Gambacortac and D. Whyte, (2021), "Covid-19 and cyber risk in the financial sector.", *BIS Bulletin*, 2021, Vol, 37, pp.1-9.
- Alvarez, F., D. Argente, and F. Lippi, (2020), "Online Appendix: A Simple Planning Problem for COVID-19 Lockdown, Testing and Tracing.", *American Economic Review: Insights*, Vol. 3, No. 3, pp.367-382.
- Arestis, P., (2016), "Financial liberalization, the finance-growth nexus, financial crises and policy implications.", *Financial Liberalisation*, pp.1-42.
- Baker, S., N. Bloom, S. Davis and S. Terry, (2020), "COVID-induced economic uncertainty.", *Working Paper No. 26983*, 3, NBER.
- Barua, B., and S. Barua, (2021), "COVID-19 implications for banks: evidence from an emerging economy.", *SN Business and Economics*, Vol. 1, No. 1, pp.1-28.
- Beck, T., and J. Thorsten, (2021), "Have Banks Caught Corona? Effects of COVID on Lending in the U.S.", *Journal of Corporate Finance*, Vol. 72(C), pp.1-64.
- Beck, T., and J. Keil, (2022), "Have banks caught corona? Effects of COVID on lending in the U.S.", *Journal of Corporate Finance*, Vol. 72, pp.102-160.
- Bizuneh, M., and M. Geremew, (2021), "Assessing the impact of COVID-19 pandemic on emerging market economies' (EMEs) sovereign bond risk premium and fiscal solvency.", *Eastern Economic Journal*, Vol. 47, No. 4, pp.519-545.
- Caldara, D., C. Fuentes-Albero, S. Gilchrist and E. Zakrajšek, (2016), "The macroeconomic impact of financial and uncertainty shocks.", *European Economic Review*, Vol. 88, pp.185-207.
- Calgua, E., (2022). "COVID-19: Data collection and transparency among countries. COVID-19 Pandemic", pp. 163-172.
- Cannon, B., (2020), "COVID-19 in Latin America:.", *COVID-19 in the Global South*, pp. 105-114.
- Carriero, A., T.E. Clark and M. Marcellino, (2018), "Measuring uncertainty and its impact on the economy.", *The Review of Economics and Statistics*, Vol. 100, No. 5, pp.799-815.
- Chong, T. T., X. Li and C. Yip, (2020), "The impact of COVID-19 on ASEAN.", *Economic and Political Studies*, Vol. 9, No. 2, pp.166-185.
- Chudik, A., D.K. Mohaddes, K. Mohaddes and M. Raissi, (2021), "Covid-19 Fiscal Support and its Effectiveness Covid-19 Fiscal Support and its Effectiveness.", *Economics Letters*, Vol. 205, (109939), pp.1-5.
- Cohen, S. A., (1993), "Defining and measuring effectiveness in public management.", *Public Productivity and Management Review*, Vol. 17, No. 1, p.45.
- Czudaj, R., (2012), "Money or output gap: What matters for inflation in the euro area?" SSRN Network, pp.107-124.

Dahlberg, A. O., (1956), "How U.S. output is measured. National income diagrammed", West Sussex: Columbia University Press, New York Chichester

Dieppe, A., S.K. Çelik and C. Okou, (2021), "What happens to productivity during major adverse events.", *Global Productivity: Trends, Drivers, and Policies*, pp.97-154.

Dietrich, A. M., K. Kuester, G.J. Muller and R.S. Schoenle, (2020), "News and uncertainty about COVID-19: Survey evidence and short-run economic impact.", Working paper (Federal Reserve Bank of Cleveland).

Dutta, D., (2020), "Neurological impact of COVID-19 pandemic: Lessons and cautions", COVID-19 Pandemic update 2020, pp.73-83

Ehteshami, A., (2015), "Middle east-east Asia relations.", *The Emerging Middle East-East Asia Nexus*, pp.8-31.

English, W. B., K. Forbes and A. Ubide, (n.d.), "Monetary policy and central banking in the Covid era.", CEPR Press: London, pp.1-434.

Ezeaku, H. C., S.A. Asongu and J. Nnanna, (2021), "Volatility of international commodity prices in times of COVID-19: Effects of oil supply and global demand shocks.", *The Extractive Industries and Society*, Vol. 8, No. 1, pp.257-270

Feyen, E., T. Alonso Gispert, T. Kliatskova and D.S. Mare, (2021), "Financial sector policy response to COVID-19 in emerging markets and developing economies.", *Journal of Banking and Finance*, Vol. 133, pp.106-184.

Franks, J., B. Gruss, C. Mulas-Granados, M. Patnam and S. Weber, (2022), "Reopening strategies, mobility and COVID-19 infections in Europe: Panel data analysis.", *BMJ Open*, Vol. 12, No. 2, pp. 055-938.

Gavin, W. T., (2012), "What is potential GDP and why does it matter?", *Economic Synopses*, 2012, Vol. 11.

Goh, T. S., H. Henry and A. Albert, (2020), "Determinants and Prediction of the Stock Market during COVID-19: Evidence from Indonesia.", *Journal of Asian Finance, Economics and Business* ; Vol. 8, No. 1, pp.001-006.

Goyal, A., (2020), "Post COVID-19: Recovering and sustaining India's growth.", *Indian Economic Review*, Vol. 55, No. S1, pp.161-181.

Habibi, Z., H. Habibi and M.A. Mohammadi, (2022), "The potential impact of COVID-19 on the Chinese GDP, trade, and economy.", *Economies*, Vol. 10, No. 4, p.73.

Haddad, L. M., P. Annamaraju and T.J. Toney-Butler, (2022), "Nursing Shortage.", *British Medical Journal*, Vol. 3, pp.534-535.

Hanson, T. A., (2020), "Global economic impact resulting from COVID-19.", *The Business of Pandemics*, pp.55-69.

Janus, J., (2021), "The COVID-19 shock and long-term interest rates in emerging market economies.", *Finance Research Letters*, Vol. 43, pp.1-6.

Joshua, J., (2016), "Economic growth and sustainable economic development.", *China's Economic Growth: Towards Sustainable Economic Development and Social Justice*, pp.11-43.

Kanitkar, T., (2020), "The COVID-19 lockdown in India: Impacts on the economy and the power sector.", *Global Transitions*, Vol. 2, pp.150-156.

Karácsony, P., (2021), "Impact of teleworking on job satisfaction among slovakian employees in the era of COVID-19.", *Problems and Perspectives in Management*, Vol. 19, No. 3, pp.1-9.

Keating, E. G., and M.V. Arena, (2018), "Defense inflation: What has happened, why has it happened, and what can be done about it?", *Defence Inflation*, pp.5-12.

Kumar, S., (2020), "Economic impact of COVID-19 and challenges of recovery.", *Integrated Risk of Pandemic: Covid-19 Impacts, Resilience and Recommendations*, pp.231-254.

Kundu, Amit and Anil Kumar Goyal, (2020), "Twin Deficit or Twin Divergence in India : An Econometric Enquiry", *Finance India*, Vol. XXXIV, No. 2, pp.527-540.

Leone, T., (2022), "COVID-19 sends the bill: Socially disadvantaged workers suffer the severest losses in earnings.", *Psychosocial, Educational, and Economic Impacts of COVID-19*.

Levrero, E. S., (2018), "An initial 'Keynesian illness'? Friedman on taxation and the inflationary gap.", *Cambridge Journal of Economics*, Vol. 42, No. 5, pp.1219-1237.

Luo, R., C. Liu, J. Gao, T. Wang, Z. Zhi, P. Shi and J. Huang, (2020), "Impacts of the COVID-19 pandemic on rural poverty and policy responses in China.", *Journal of Integrative Agriculture*, Vol. 19, No. 12, pp. 2946-2964.

Maani, S., (2021), "COVID-19: Government responses to labour market disruptions and economic impacts.", *Management Perspectives on the Covid-19 Crisis*, pp.26-43.

Milani, F., (2021), "COVID-19 outbreak, social response, and early economic effects: a global VAR analysis of cross-country interdependencies.", *J Popul Econ* Vol. 34, pp.223-252 (2021).

Morris, S., (2022), "The COVID-19 crisis in India - Impact, response and recovery.", *SSRN Electronic Journal*.

Munywoki, G., (2020), "Economic effects of novel coronavirus (COVID - 19) on the global economy.", *SSRN Electronic Journal*, Vol. 1, No. 2.

Mure?an, ? S., (2014), "What is on the horizon for the social market economy?", *Social Market Economy*, pp.309-374.

Ndou, E., and T. Mokoena, (2019), "Output and policy ineffectiveness proposition: A perspective from single regression equations.", *Inequality, Output-Inflation Trade-Off and Economic Policy Uncertainty*, pp.367-376

Nelson, E., (2006), "The great inflation and early disinflation in Japan and Germany.", *Federal Reserve Bank of St. Louis Working Paper* 2006-052, pp.1-51

Nicholson, J. S., (1916), "Inflation of the currency and the rise in prices.", *The Economic Journal*, Vol. 26, No.104, p.425

NT, K., (2020), "Coronavirus (COVID-19)- A pandemic causing global lockdown.", *Epidemiology International Journal*, Vol. 4, No. 3, pp.1-3

Oakman, J., N. Kinsman, R. Stuckey, M. Graham and V. Weale, (2020), "A rapid review of mental and physical health effects of working at home: How do we optimise health?", *BMC Public Health*, Vol. 20, No. 1. p.1825

Ortenzi, F., E. Albanese and M. Fadda, (2020), "A Transdisciplinary analysis of COVID-19 in Italy: The most affected country in Europe.", *International Journal of Environmental Research and Public Health*, Vol. 17, No.24, pp.94-88.

Papageorgiou, C., M. Brussevich and S. Liu, (2022), "Income convergence or divergence in the aftermath of the COVID-19 shock?" *IMF Working Papers*, 2022, Vol. 121, p.1.

Park, C-Y., J. Villafuerte, A. Abiad, B. Narayanan, E. Banzon, J.N. Samson, A. Aftab and M.C. Tayag, (2020), "An Updated Assessment of the Economic Impact of COVID-19.", *An Asian Development Bank Briefs*, pp.133, 1-16.

Podvoisky, G. L., (2021), "The world of work in the context of the COVID-19 pandemic: Analysis, assessments and ILO recommendations.", *The world of new economy*, Vol. 15, No. 1, pp.28-39.

Rangvid, J., (2021), "Long-run economic growth.", *From Main Street to Wall Street*, pp.9-27.

Rayalu, Y. J., (2020), "India's path to socialism.", *Socialism in the 21st Century*, pp.98-108.

Rebucci, B., A., J.S. Hartley, D. Jiménez and A. Rebucci Carey, (2020), "NBER Working Paper Series An Event Study Of Covid-19 Central Bank Quantitative Easing In Advanced And Emerging Economies.", NBER Working Paper Series, 2020 (27339), pp.1-45.

Rispoli, L., D. Leung and B. Gibson, (2011), "Small, medium-sized and large businesses in the Canadian economy: Measuring their contribution to gross domestic product in 2005", SSRN Electronic Journal, Economic Analysis Research Paper No. 69, pp.1-22.

Rohleder, S., and K. Bozorgmehr, (2021), "Monitoring the spatiotemporal epidemiology of COVID-19 incidence and mortality: A small-area analysis in Germany.", *Spatial and Spatio-temporal Epidemiology*, Vol. 38, pp.100-433.

Ruud, A., (1994), "The next efficiency revolution: Creating a sustainable materials economy.", *Resources Policy*, Vol. 20, No. 4, pp.285-286.

Sánchez-Fung, J. R., (2021), "Inflation, inflation expectations and central bank communication in emerging markets.", *Macroeconomics and Finance in Emerging Market Economies*, Vol. 15, No. 3, pp.215-230.

Schneider, R., (2008), "Measuring social dimensions of sustainable production.", OECD Sustainable Development Studies, pp.39-47.

Sedgwick, P., (2012), "Log transformation of data.", *British Medical Journal*, Vol. 345, pp. 6727-6727.

Singh, M. K., and Y. Neog, (2020), "Contagion effect of COVID 19 outbreak: Another recipe for disaster on Indian economy.", *Journal of Public Affairs*.

Siniscalco, D., (2019), "Defining and measuring output and productivity in the service sector.", *Services in World Economic Growth*, pp.38-58.

Smullyan, R. M., (1993), "Productivity and double productivity", Recursion Theory for Metamathematics. Oxford University Press

Vanholder, R. C., W.A. Van Biesen and M.S. Sever, (2009), "Hurricane Katrina and chronic dialysis patients: Better tidings than originally feared?". *Kidney International*, Vol. 76, No. 7, pp.687-689.

Waldkirch, A., (2021), "Firms around the world during the COVID-19 pandemic.", *Journal of Economic Integration*, Vol. 36, No. 1, pp.3-19.

Wei, P., C. Jin, and C. Xu, (2021), "The influence of the COVID-19 pandemic on the imports and exports in China, Japan, and South Korea.", *Frontiers in Public Health*, Vol. 9.

Yang, H. and P. Deng, (2021), "The impact of COVID-19 & government intervention on stock markets of OECD countries.", *Asian Economics Letters*, Vol. 1, No. 4.

Yanik, R., A. Binte Osman and O. Ozturk, (2020), "Impact of manufacturing PMI on stock market index: A study on Turkey.", *Journal of Administrative and Business Studies*, Vol. 6, No. 3. pp.104-108