

## Biography

Mita's major research areas are in Energy Economics, Sustainability, Applied Industrial Organisation and International Trade. Mita has published widely in peer-reviewed journals including in Energy Economics, International Journal of Industrial Organisation, International Journal of Production Economics, World Economy, Review of Industrial Organisation and in Applied Energy. She has held visiting positions in the Australian National University, Curtin University, Doshisha University, University of East Anglia and in the OECD. Mita has received numerous internal grants and external grants from the Australian Research Council, Tyre Australia and National Science Council (Taiwan). Mita is the recipient of the annual award in 2017 from the Applied Energy Society for her research on renewable energy sources. Her focus on interdisciplinary research has extended collaborations with Engineering Faculty. She has been the Course Director of Masters Program in Economics since 2016.

Before joining Monash, Mita has taught at the University of Tasmania and at the University of New Castle.

Details on her research can be found at:

<https://scholar.google.com.au/citations?user=VTukFXIAAAAJ&hl=en>

<https://sites.google.com/monash.edu/mita-bhattacharya/home>

## Research outputs

### **Environmental accounting for climate change: current status for India**

Bhattacharya, M. & Yan, E., 2023, *Reference Module in Social Sciences*. The Netherlands: Elsevier, 4 p.

### **FDI inflows and urbanization: a cross-country comparison from Asia, Africa and Latin America**

Bhattacharya, M., Behera, S. R., Dash, D. P. & Apergis, N., 2023, (Accepted/In press) In: *Global Business Review*. 26 p.

### **Impact of exchange rate on trade balance of India: evidence from threshold cointegration with asymmetric error correction approach**

Mallick, L., Behera, S. R. & Bhattacharya, M., 2023, (Accepted/In press) In: *Foreign Trade Review*. 30 p.

### **Deployment of renewable energy sources: empirical evidence in identifying clusters with dynamic time warping**

Maharaj, E. A., Giovanni, L. D., D'Urso, P. & Bhattacharya, M., 2022, (Accepted/In press) In: *Social Indicators Research*. 22 p.

### **The role of renewable energy sources in residential electricity prices: a club convergence analysis across selected European countries**

Bhattacharya, M., Inekwe, J. & Liddle, B., 2022, (Accepted/In press) In: *Applied Economics*. 15 p.

### **Transport infrastructure and industrial output in Pakistan: an empirical investigation**

Ahmed, K., Bhattacharya, M., Qazi, A. Q. & Ghumro, N. A., Dec 2021, In: *Research in Transportation Economics*. 90, 12 p., 101040.

### **Dynamics of energy poverty: evidence from nonparametric estimates across the ASEAN+6 region**

Bhattacharya, M., Inekwe, J. & Yan, E., Nov 2021, In: *Energy Economics*. 103, 15 p., 105549.

### **Convergence in sovereign debt defaults: quantifying the roles of institutions**

Bhattacharya, M. & Inekwe, J., Jun 2021, In: *Oxford Bulletin of Economics and Statistics*. 83, 3, p. 792-811 20 p.

### **International firm activities, R&D, and productivity: evidence from Indian manufacturing firms**

Bhattacharya, M., Okafor, L. E. & Pradeep, V., Apr 2021, In: *Economic Modelling*. 97, p. 1-13 13 p.

**Movements of oil prices and exchange rates in China and India: New evidence from wavelet-based, non-linear, autoregressive distributed lag estimations**

Khraief, N., Shahbaz, M., Mahalik, M. K. & Bhattacharya, M., Feb 2021, In: *Physica A: Statistical Mechanics and its Applications*. 563, 17 p., 125423.

**Disaggregated renewable energy sources in mitigating CO<sub>2</sub> emissions: new evidence from the USA using quantile regressions**

Sharif, A., Bhattacharya, M., Afshan, S. & Shahbaz, M., 2021, In: *Environmental Science and Pollution Research*. 28, p. 57582-57601 20 p.

**Electricity consumption in Australia: the role of clean energy in reducing CO<sub>2</sub> emissions**

Ahmed, K., Apergis, N., Bhattacharya, M. & Paramati, S. R., 2021, In: *Applied Economics*. 53, 48, p. 5535-5548 14 p.

**Credit risk and financial integration: an application of network analysis**

Bhattacharya, M., Inekwe, J. N. & Valenzuela, M. R., Nov 2020, In: *International Review of Financial Analysis*. 72, 14 p., 101588.

**Potential chipless RFID sensors for food packaging applications: a review**

Fathi, P., Karmakar, N. C., Bhattacharya, M. & Bhattacharya, S., 1 Sept 2020, In: *IEEE Sensors Journal*. 20, 17, p. 9618-9636 19 p.

**Consumption-based and territory-based carbon emissions intensity: determinants and forecasting using club convergence across countries**

Bhattacharya, M., Inekwe, J. N. & Sadorsky, P., Feb 2020, In: *Energy Economics*. 86, 11 p., 104632.

**Convergence of energy productivity in Australian states and territories: determinants and forecasts**

Bhattacharya, M., Inekwe, J. N. & Sadorsky, P., 1 Jan 2020, In: *Energy Economics*. 85, 12 p., 104538.

**Bank credit, public financial incentives, tax financial incentives and export performance during the global financial crisis**

Okafor, L. E., Bhattacharya, M. & Apergis, N., Jan 2020, In: *The World Economy*. 43, 1, p. 114-145 32 p.

**Drivers of carbon dioxide emissions: an empirical investigation using hierarchical and non-hierarchical clustering methods**

Inekwe, J., Maharaj, E. A. & Bhattacharya, M., 2020, In: *Environmental and Ecological Statistics*. 27, 1, p. 1-40 40 p.

**Health care expenditure and environmental pollution: a cross-country comparison across different income groups**

Apergis, N., Bhattacharya, M. & Hadhri, W., 2020, In: *Environmental Science and Pollution Research*. 27, p. 8142-8156 15 p.

**Towards a sustainable development: the role of energy and institutions in combating CO<sub>2</sub> emissions for the ASEAN-8**

Ahmed, K. & Bhattacharya, M., 2020, *Moving from the Millennium to the Sustainable Development Goals: Lessons and Recommendations*. Awaworyi Churchill, S. (ed.). 1st ed. Singapore Singapore: Palgrave Macmillan, p. 199-225 27 p.

**Chipless RFID tags: co-or cross-polar tag?**

Fathi, P., Aliasgari, J., Babaeian, F., Karmakar, N. C., Bhattacharya, M. & Bhattacharya, S., Dec 2019, *Proceedings of the 2019 IEEE Asia-Pacific Microwave Conference (APMC)*. Chen, X., Gao, R. X-K. & Zheng, Y. (eds.). Piscataway NJ USA: IEEE, Institute of Electrical and Electronics Engineers, p. 117-119 3 p.

**Review of Dynamics of Asian Development: Development under Dualism and Digital Divide in Twenty-First Century India, by Dilip Dutta (Springer, Singapore, 2018), pp. xxv + 211**

Bhattacharya, M., Sept 2019, In: *Economic Record*. 95, 310, p. 386-387 2 p.

**Trade liberalization and the wage–skill premium: evidence from Vietnamese manufacturing**

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**Economic output in the era of changing energy-mix for G20 countries: new evidence with trade openness and research and development investment**

Sikder, A., Inekwe, J. & Bhattacharya, M., Feb 2019, In: Applied Energy. 235, p. 930-938 9 p.

**The role of ethnic diversity in sustainable environmental growth: new evidence across different income regions**

Churchill, S. A., Ivanovski, K. & Bhattacharya, M., Jan 2019, In: Applied Economics. 51, 4, p. 398-408 11 p.

**Prediction of financial distress for multinational corporations: panel estimations across countries**

Apergis, N., Bhattacharya, M. & Inekwe, J., 2019, In: Applied Economics. 51, 39, p. 4255-4269 15 p.

**The environmental Kuznets curve: a critical review of early literature**

Bhattacharya, M., 2019, *Environmental Kuznets Curve (EKC): A Manual*. Özcan, B. & Öztürk, I. (eds.). 1st ed. London UK: Academic Press, p. 9-14 6 p.

**Convergence of energy productivity across Indian states and territories**

Bhattacharya, M., Inekwe, J. N., Sadorsky, P. & Saha, A., 1 Aug 2018, In: Energy Economics. 74, p. 427-440 14 p.

**Financial integration in Africa: new evidence using network approach**

Bhattacharya, M., Inekwe, J. N. & Valenzuela, M. R., Jun 2018, In: Economic Modelling. 72, p. 379-390 12 p.

**Determinants of energy demand in African frontier market economies: An empirical investigation**

Paramati, S. R., Bhattacharya, M., Ozturk, I. & Zakari, A., 1 Apr 2018, In: Energy. 148, p. 123-133 11 p.

**Financial development, industrialization, the role of institutions and government: a comparative analysis between India and China**

Shahbaz, M., Bhattacharya, M. & Mahalik, M. K., 2018, In: Applied Economics. 50, 17, p. 1952-1977 26 p.

**Remittances and financial development: Empirical evidence from heterogeneous panel of countries**

Bhattacharya, M., Inekwe, J. & Paramati, S. R., 2018, In: Applied Economics. 50, 38, p. 4099-4112 14 p.

**The regulated coal sector and CO<sub>2</sub> emissions in Indian growth process: Empirical evidence over half a century and policy suggestions**

Bhattacharya, M., Rafiq, S., Lean, H. H. & Bhattacharya, S., 15 Oct 2017, In: Applied Energy. 204, p. 667-678 12 p.

**The dynamic impact of renewable energy and institutions on economic output and CO<sub>2</sub> emissions across regions**

Bhattacharya, M., Awaworyi Churchill, S. & Paramati, S. R., 1 Oct 2017, In: Renewable Energy. 111, p. 157-167 11 p.

**Emission intensive growth and trade in the era of the Association of Southeast Asian Nations (ASEAN) integration: an empirical investigation from ASEAN-8**

Ahmed, K., Bhattacharya, M., Shaikh, Z., Ramzan, M. & Ozturk, I., 15 Jun 2017, In: Journal of Cleaner Production. 154, p. 530-540 11 p.

**Spillover effects of research and development, exports and foreign investment on productivity: empirical evidence from Indian manufacturing**

Pradeep, V., Bhattacharya, M. & Chen, J-R., 1 Apr 2017, In: Journal of South Asian Development. 12, 1, p. 18-41 24 p.

**CO<sub>2</sub> emissions in Australia: economic and non-economic drivers in the long-run**

Shahbaz, M., Bhattacharya, M. & Ahmed, K., 16 Mar 2017, In: Applied Economics. 49, 13, p. 1273-1286 14 p.

**Natural gas, trade and sustainable growth: empirical evidence from the top gas consumers of the developing world**

Alam, M. S., Paramati, S. R., Shahbaz, M. & Bhattacharya, M., 7 Feb 2017, In: Applied Economics. 49, 7, p. 635-649 15 p.

**Imported intermediates, absorptive capacity and productivity: evidence from Ghanaian manufacturing firms**  
Okafor, L. E., Bhattacharya, M. & Bloch, H., Feb 2017, In: *The World Economy*. 40, 2, p. 369-392 24 p.

**Finance and income inequality in Kazakhstan: evidence since transition with policy suggestions**  
Shahbaz, M., Bhattacharya, M. & Mahalik, M. K., 2017, In: *Applied Economics*. 49, 52, p. 5337-5351 15 p.

**The impact of globalization on CO<sub>2</sub> emissions in China**  
Shahbaz, M., Khan, S., Ali, A. & Bhattacharya, M., 2017, In: *Singapore Economic Review*. 62, 3, 29 p., 1740033.

**Promotion of Innovation and Job Growth in Small- and Medium-Sized Enterprises in Australia: Evidence and Policy Issues**  
Bloch, H. & Bhattacharya, M., 1 Jun 2016, In: *The Australian Economic Review*. 49, 2, p. 192-199 8 p.

**Energy consumption in China and underlying factors in a changing landscape: Empirical evidence since the reform period**  
Ahmed, K., Bhattacharya, M., Qazi, A. Q. & Long, W., 1 May 2016, In: *Renewable and Sustainable Energy Reviews*. 58, p. 224-234 11 p.

**The effect of renewable energy consumption on economic growth: Evidence from top 38 countries**  
Bhattacharya, M., Paramati, S. R., Ozturk, I. & Bhattacharya, S., 2016, In: *Applied Energy*. 162, p. 733 - 741 9 p.

**Output and labor productivity in organized manufacturing: A panel cointegration analysis for India**  
Bhattacharya, M. & Narayan, P., 2015, In: *International Journal of Production Economics*. 170, A, p. 171 - 177 7 p.

**The role of technology on the dynamics of coal consumption-economic growth: New evidence from China**  
Bhattacharya, M., Rafiq, S. & Bhattacharya, S., 2015, In: *Applied Energy*. 154, p. 686 - 695 10 p.

**Business growth, size and age: Evidence from the Business Longitudinal Survey (BLS) data in Australia**  
Bhattacharya, M., 2014, In: *Australian Economic Papers*. 53, 3-4, p. 129 - 138 10 p.

**Kurt Rothschild's heterodox approach to price theory and oligopoly**  
Bloch, H. B. & Bhattacharya, M., 2014, In: *History of Economics Review*. 60, p. 1 - 14 14 p.

**Productivity, technical progress and scale efficiency in Indian manufacturing**  
Pradeep, V., Bhandari, A. K., Bhattacharya, M., Chen, J-R. & Yang, C-H., 2014, *Productivity in Indian Manufacturing: Measurements, Methods and Analysis*. Kathuria, V., Raj S N, R. & Sen, K. (eds.). 1st ed. New Delhi India: Routledge, p. 266-287 22 p.

**The productivity-wage and productivity-employment nexus: A panel data analysis of Indian manufacturing**  
Bhattacharya, M., Narayan, P., Popp, S. & Rath, B., 2011, In: *Empirical Economics*. 40, 2, p. 285 - 303 19 p.

**Labour productivity trends in Australian manufacturing: Some time series properties**  
Bhattacharya, M. & Narayan, P., 2010, In: *Applied Economics*. 42, 25, p. 3221 - 3230 10 p.

**Adjustment of pricing: Evidence from Indian manufacturing**  
Bhattacharya, M. & Olive, M. J., 2009, In: *Economic and Political Weekly*. 44, 21, p. 59 - 64 6 p.

**Market dynamics and dichotomy: evidence from Taiwanese manufacturing**  
Bhattacharya, M. & Chen, J-R., 2009, In: *Applied Economics*. 41, 17, p. 2169-2179 11 p.

**Determinants of domestic market structure: A comparative study between Japanese and Taiwanese manufacturing**  
Bhattacharya, M., Bloch, H. B. & Chen, J-R., 2007, In: *Asia Pacific Journal of Economics and Business*. 11, 2, p. 25 - 38 14 p.

**Industrial performance and competition: The case of Japanese manufacturing**  
Bhattacharya, M., 2007, In: Pacific Economic Review. 12, 5, p. 619 - 630 12 p.

**The small hands of slavery: The status of child labour in India in the era of trade liberalisation**  
Bhattacharya, M., 2007, In: Monash Business Review. 3, 3, p. 1 - 16 16 p.

**Adjustment of pricing: Evidence from Indian manufacturing**  
Barrie, D. (ed.), Bhattacharya, M. & Olive, M. J., 2006, p. 1 - 25. 25 p.

**Implications for India of worker satisfaction with social insurance in China's market socialist economy**  
Bhattacharya, M., Nielsen, I. L., Nyland, C., Smyth, R. L. & Zhang, M., 2005, *Globalisation and Labour Mobility in India and China: Conference Proceedings*. Smyth, R., Nyland, C., Bhattacharya, M. & Vicziany, M. (eds.). Melbourne Vic Australia: Monash University, p. 356 - 379 24 p.

**Labour productivity in Australian manufacturing: the impact of import competition and market structure**  
Bhattacharya, M., Bloch, H. B. & McDonald, J. T., 2005, *Theory and application of productivity and efficiency: econometric and DEA approach*. Ghosh, R. & Neogi, C. (eds.). 1 ed. New Delhi India: Macmillan Publishers, p. 267 - 276 10 p.

**Testing for the random walk hypothesis in the case of visitor arrivals: evidence from Indian tourism**  
Bhattacharya, M. & Narayan, P. K., 2005, In: Applied Economics. 37, 13, p. 1485 - 1490 6 p.

**Urban social insurance and worker satisfaction in China: implications for India**  
Bhattacharya, M., Nielsen, I. L., Nyland, C., Smyth, R. L. & Zhang, M., 2005, In: Indian Journal of Labour Economics. 48, 3, p. 475 - 494 20 p.

**Determinants of innovation**  
Bhattacharya, M. & Bloch, H., 1 Mar 2004, In: Small Business Economics. 22, 2, p. 155-162 8 p.

**A comparative analysis of the dynamics of East Asian business networks**  
Bhattacharya, M. & Lee, T. Y. R., 2004, *Asian Economic and Political Issues*. Columbus, F. (ed.). USA: Nova Science Publishers, p. 81 - 100 20 p.

**Problems and prospects of the tourism industry: the experience from India**  
Bhattacharya, M., 2004, *South Asia in the Era of Globalisation: Trade, Industrialisation and Welfare*. Bhattacharya, M., Smyth, R. & Vicziany, M. (eds.). New York NY USA: Nova Science Publishers, p. 87 - 102 16 p.

**The South Asian economies within the global context**  
Bhattacharya, M., Smyth, R. L. & Vicziany, M. A., 2004, *South Asia in the Era of Globalisation: Trade, Industrialisation and Welfare*. Bhattacharya, M., Smyth, R. & Vicziany, M. (eds.). New York USA: Nova Science Publishers, p. 1 - 13 13 p.

**How fast do old judges slow down? A life cycle study of aging and productivity in the Federal Court of Australia**  
Smyth, R. L. & Bhattacharya, M., 2003, In: International Review of Law and Economics. 23, 2, p. 141 - 164 24 p.

**The game is not the same: the demand for test match cricket in Australia**  
Bhattacharya, M. & Smyth, R. L., 2003, In: Australian Economic Papers. 41, p. 77 - 90 14 p.

**The life cycle research output of professors in Australian economics departments: an empirical analysis based on survey questionnaires**  
Bhattacharya, M. & Smyth, R., 2003, In: Economic Papers. 22, 2, p. 30-46 17 p.

**Trade liberalisation, market power and performance in Australian manufacturing**  
Bhattacharya, M., 2003, *Progress in Economics Research: Volume 6*. Tavidze, A. (ed.). New York NY USA: Nova Science Publishers, p. 89 - 95 7 p.

**What determines judicial prestige? An empirical analysis for judges of the Federal Court of Australia**  
Smyth, R. L. & Bhattacharya, M., 2003, In: American Law and Economics Review. 5, 1, p. 233 - 262 30 p.

**Entry, barrier and performance in Australian manufacturing**  
Bhattacharya, M., 2002, In: Economic Papers. 21, 1, p. 46-55 10 p.

**Group profit, market share and efficiency: Evidence from Australian manufacturing**  
Bhattacharya, M., 2002, In: Review of Industrial Organization. 20, 2, p. 187 - 199 13 p.

**Industrial concentration and competition in Malaysian manufacturing**  
Bhattacharya, M., 2002, In: Applied Economics. 34, 17, p. 2127 - 2134 8 p.

**The determinants of judicial prestige and influence: Some empirical evidence from the high court of Australia**  
Bhattacharya, M. & Smyth, R., 1 Jan 2001, In: Journal of Legal Studies. 30, 1, 1 p.

**Aging and productivity among judges: some empirical evidence from the High Court of Australia**  
Smyth, R. L. & Bhattacharya, M., 2001, In: Australian Economic Papers. 40, 2, p. 199 - 212 14 p.

**Market performance and the speed of the invisible hand: the case of Malaysian manufacturing**  
Bhattacharya, M. & Wong, K. N., 2001, *Malaysian Business in the New Era*. Nyland, C., Smith, W., Smyth, R. & Vicziany, M. (eds.). Cheltenham UK: Edward Elgar Publishing, p. 113 - 128 16 p.

**The determinants of judicial influence and prestige: some empirical evidence from the High Court of Australia**  
Smyth, R. L. & Bhattacharya, M., 2001, In: Journal of Legal Studies. 30, 1, p. 223 - 252 30 p.

**Adjustment of Profits: Evidence from Australian Manufacturing**  
Bhattacharya, M. & Bloch, H., 2000, In: Empirica. p. 157 - 163 7 p.

**The dynamics of industrial concentration in Australian manufacturing**  
Bhattacharya, M. & Bloch, H., 2000, In: International Journal of Industrial Organization. p. 1181 - 1199 19 p.

**Specification and Testing the Profit-Concentration Relationship in Australian Manufacturing**  
Bhattacharya, M., 1997, In: Review of Industrial Organization.

## **Activities**

**2017 MEMSI facilitated Energy Transformation Research Seed Fund (recipient)**  
Mita Bhattacharya (Speaker)  
28 Apr 2017

**Department Research Fund (Economics), Monash University (recipient)**  
Mita Bhattacharya (Speaker)  
2016

**Department Research Fund (Economics), Monash University (recipient)**  
Mita Bhattacharya (Speaker)  
2008

**ARC Near Miss Grant, Internal Faculty Grant, Monash University (recipient)**  
Mita Bhattacharya (Speaker)  
2007

**2006 Faculty Research Grant, Monash University (recipient)**

Mita Bhattacharya (Speaker)  
2006

**ARC Near Miss Grant, Internal Faculty Grant, Monash University (recipient)**

Mita Bhattacharya (Speaker)  
2006

**2005 Faculty Research Grant, Monash University (recipient)**

Mita Bhattacharya (Speaker)  
2005

**2004 Faculty Research Support Grant (recipient)**

Mita Bhattacharya (Speaker)  
2004

**National Competitive Grant Support, Monash University (recipient)**

Mita Bhattacharya (Speaker)  
2003 → 2005

**Faculty Research Grant, Monash University (recipient)**

Mita Bhattacharya (Speaker)  
2001

**Monash Small Grant, Monash University (recipient)**

Mita Bhattacharya (Speaker)  
2001

**Faculty Research Grant, Monash University (recipient)**

Mita Bhattacharya (Speaker)  
2000

**Monash University Sunway Malaysia Research Grant (with K.N. Wong) (recipient)**

Mita Bhattacharya (Speaker)  
1999

**SMURF1 Grant within the 'Asian Economies Research Unit, Monash University (recipient)**

Mita Bhattacharya (Speaker)  
1999

**Faculty Research Grant, Monash University (recipient)**

Mita Bhattacharya (Speaker)  
1998

**Strategic Research Fund (Internal Grant), School of Commerce and Law, University of Tasmania (recipient)**

Mita Bhattacharya (Speaker)  
1995

## **Prizes**

**Applied Energy Awards: Highly Cited Research Papers published in 2016-2017**

Bhattacharya, Mita (Recipient), 12 Aug 2019

## **Press/Media**

### **COVID-19 and Australian Trade**

Mita Bhattacharya

4/07/20

1 Media contribution

### **Energy output targets 'way off beam'**

Mita Bhattacharya

4/05/20

1 item of Media coverage

### **Indian eEnergy Sector**

Mita Bhattacharya

22/07/20

1 item of Media coverage

### **Motoring mayhem**

Mita Bhattacharya

7/06/13

1 Media contribution

<https://www.bloomberg.com/news/articles/2020-05-12/the-30-billion-battle-to-fuel-australia-s-post-covid-economy>

Mita Bhattacharya

13/05/20

1 item of Media coverage

## **Projects**

### **Decision Engine to Support the Path to Net Zero, RACE for 2030**

Wallace, M., Bhattacharya, M., Hansen, P. & Hossain, J.

28/04/22 → 28/10/22

### **Technical Change, Productivity Growth and Pricing in Australian Manufacturing.**

Bloch, H. B., Bhattacharya, M. & MacDonald, G.

Australian Research Council (ARC)

1/01/03 → 31/12/05