

ACHINTYA RAY

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ACADEMIC APPOINTMENTS

2016 - Professor of Economics, **Tennessee State University**
2016 (Fall) Adjunct Professor of Management, **Vanderbilt University**
2010 – 2016 Associate Professor of Economics, **Tennessee State University**
2004 – 2010 Assistant Professor of Economics, **Tennessee State University**
2003 – 2004 Senior Research Associate, **Vanderbilt University**
2001 – 2003 Research Assistant, **Vanderbilt University**
1999 – 2001 Teaching Assistant, **Vanderbilt University**
1997 – 1999 Research Assistant, **Indian Statistical Institute**

EDUCATION

2004	VANDERBILT UNIVERSITY	Ph.D., Economics
2003	VANDERBILT UNIVERSITY	MA, Economics
2014	UNIVERSITY OF FLORIDA	Post-Doctoral Bridge to Business Program, Accounting & Finance
2015	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Professional Education in Tackling the Challenges of Big Data.
2015	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Professional Education in Cybersecurity: Technology, Application and Policy
1997	DELHI SCHOOL OF ECONOMICS, UNIVERSITY OF DELHI	MA, Economics
1995	UNIVERSITY OF CALCUTTA	B.Sc. (Honors), Economics (Major), Mathematics (Minor), Statistics (Minor)

AWARDS AND SPECIAL RECOGNITIONS

2020 Keynote Address, International Conference on ‘Strategies for Revival of Indian Business in the Post-Pandemic Economic Scenario’, Indian Accounting Association.

2018 Special Lecture, Vidyasagar University, Medinipur, India.

2018 Keynote Address, International Conference on Financial Sector: Issues, Challenges, and Strategies, Kolkata, India

2017 Keynote Address, Golden Jubilee Commemorative International Conference

- on Emerging Issues in Accounting, Finance, and Taxation, Kolkata, India.
- 2016 Travel Bursary, George Mason University, Washington DC, USA.
Law & Economics Center Program on Economics & Privacy
- 2016 Distinguished Keynote Address, International Conference on Financial Inclusion, Kolkata, India.
- 2013 Keynote Address, International Conference on Economic Liberalization and Capital Market Development: Indian Perspective, Kolkata, India.
- 2013 Keynote Address, International Conference on Contemporary Issues in Financial Institutions and Markets, Kolkata, India.
- 2012 Travel Bursary, Asian Development Bank and The George Washington University, Washington DC, USA.
- 2010 Keynote Address, International Conference on Indian Financial System and the Global Scenario, Kolkata, India
- 2009 Dean's Faculty Research Grant, Tennessee State University.
- 2007 Dean's Faculty Research Grant, Tennessee State University.
- 2006 Dean's Faculty Research Grant, Tennessee State University.
- 2006 Travel Bursary, United Nations University, World Institute of Development Economics Research, Helsinki, Finland.
- 2005 Dean's Faculty Research Grant, Tennessee State University.
- 2005 Faculty Research Grant, Office of Business and Economic Research, Tennessee State University.
- 1999 – 2001 Graduate Teaching Assistantship, Vanderbilt University
- 2001 – 2003 Graduate Research Assistantship, Vanderbilt University
- 1999 – 2003 Graduate Tuition Fellowship, Vanderbilt University
- 2001 Graduate Summer Research Grant, Vanderbilt University

CURRENT INSTITUTIONAL SERVICES

- Member of the Board of Directors & Member of the Executive Committee, **Kidney Clinics and Research Centers International, Inc. (KCRCI)**
- Member, Instructional Resource and Responsibilities Committee, College of Business, **Tennessee State University**.
- Member, Advisory Committee, University Honors College, **Tennessee State University**.
- Member, Promotion & Tenure Committee, Department of Economics & Finance, College of Business, **Tennessee State University**.
- Member, Business Advisory Board, **Nashville State Community College**.

PAST INSTITUTIONAL SERVICES

- President, Faculty Senate, **Tennessee State University**. (Two-year term: April 2016 - April 2018)

- Chair, Executive Committee of the Faculty Senate, **Tennessee State University**. (Two-year term: April 2016 - April 2018)
- Chair, Faculty Handbook Committee, **Tennessee State University**
- Member, Strategic Planning Committee – Business and Industry, **Tennessee State University**
- Member, President's Administrative Council, **Tennessee State University**.
- Member, Endowment for Educational Excellence Budget Committee, **Tennessee State University**.
- Member, Search Committee for the Assistant Vice President of Budget & Finance, Division of Budget & Finance, **Tennessee State University**.
- Member, SACSCOC Steering Committee, **Tennessee State University**.
- Member, Strategic Planning Implementation Committee, Tennessee State University.
- Chair-Elect of the Faculty Senate, **Tennessee State University**. (One-year term 2015-2016).
- Member, Executive Committee of the Faculty Senate, **Tennessee State University**. (One-year term 2015-2016).
- Member, President's Task Force on FOCUS Bill implementation (Also, a member of the Academic Affairs sub-committee on the Task Force), **Tennessee State University**.
- Chair, Economics Recruitment Committee, Department of Economics & Finance, College of Business, **Tennessee State University**.
- Chair, Undergraduate Curriculum Committee (AACSB academic programs standard), College of Business, **Tennessee State University**.
- Member, Undergraduate Curriculum Committee, College of Business, **Tennessee State University**.
- Member, University Curriculum Committee, **Tennessee State University**.
- Member, Faculty Composition and Development Committee, College of Business, **Tennessee State University**
- Member, Workforce and Community Development Advisory Board, **Nashville State Community College**, Nashville, TN
- Member, Strategic Planning Committee, College of Business, **Tennessee State University**.
- Member, General Education Assessment Committee - Institutional Review, **Tennessee State University**.
- Chair, Budget Committee, Faculty Senate, **Tennessee State University**.
- Member, Economics Curriculum Committee, **Tennessee Board of Regents**.
- Member, Doctoral Program sub-Committee, College of Business, **Tennessee State University**.
- Member, Recruitment Committee, College of Business, **Tennessee State University**.
- Member, Graduate Policy Committee, College of Business, **Tennessee State University**.

- Member, Web Committee, College of Business, **Tennessee State University**.
- Member, Intellectual Contributions Committee, College of Business, **Tennessee State University**.
- Member, Committee on Internal and External Research Initiatives, College of Business, **Tennessee State University**.
- Member, Graduate Research Day Organizing Committee, Department of Economics, **Vanderbilt University**.
- Chairman, Survey Committee, Graduate Student Council, **Vanderbilt University**.
- Co-Chairman, Public Relations Committee, Graduate Student Council, **Vanderbilt University**.
- President, **Vanderbilt India Association**.
- Treasurer, **Vanderbilt India Association**.

PUBLISHED BOOK CHAPTERS

- A. Ray, (2017), "Economics of Discretionary Accrual, Fair Value Accounting, and Accounting Fraud: A Simple Introduction", In Lalit Joshi & Paramita Chakravarty (ed), "Emerging issues in Accounting, Finance and Taxation."
- A. Ray, (2016), "Effects of Competitive Structure on Loan Pricing and Credit Provisioning in Oligopolistic Banking Industry", In Kazuhiro Ohnishi (ed), "Firms' Strategic Decisions: Theoretical and Empirical Findings", Volume 2.

ARTICLES IN PEER REVIEWED JOURNALS

- A. Ray, (2020), "Rainwater Harvesting Benchmarks to Address South Asia's Urban Water Crisis", *Economic and Political Weekly*, Vol. 55, Issue No. 7, pp. 14-16.
- A. Ray & M. Getz, (2018), "Public Finance Implications of Downward Trend in Urban Public Transit System: An Exploratory Review ", *Accounting and Finance Research*, Vol. 7, No. 3, pp. 119 -137.
- A. Ray, (2018), "Are Inventories Accretive? Lessons from Inventory and Earnings Relationship in the U.S. Capital Goods Sector ", *Accounting and Finance Research*, Vol. 7, No. 1, pp. 40-57
- A. Mukherjee & A. Ray, (2014), "Entry, Profit and Welfare Under Asymmetric R&D Costs", *The Manchester School*, Vol. 82, Issue 3, pp. 284-295.
- A. Ray, (2011), "Prevalence Rates and Racial disparities in undiagnosed pre-diabetes in the

- US population: Evidence from the National Health and Nutrition Examination survey of 2007-08", *Economics Bulletin*, Vol. 31, No. 4, pp. 3240-3252.
- A. Ray, (2010), "Strategic Technology Adoption and Optimal R&D Under Asymmetric Information", *International Research Journal of Finance & Economics*, Issue 36, pp. 7-15.
- A. Mukherjee & A. Ray, (2009), "Unsuccessful patent application and cooperative R&D", *Journal of Economics*, Vol. 97, pp. 251-263.
- A. Ray & I. Ray, (2009), "Stability of Housing Prices in Major US Cities: A Time-Series Analysis of S&P-Case-Shiller Housing Price Indices", *Journal of Money, Investment, and Banking*, Issue 7, January, pp. 43-49.
- A. Ray, (2008), "An Analysis of Corporate Social Responsibility through the Lens of Corporate Finance", *Money Manager*, Vol. 2, pp. 61-64.
- A. Ray, (2008), "Development Planning In A Liberalized Economy: The Case of India", *Indian Economy Review*, Vol. V, September, pp. 150-161.
- A. Ray & I. Ray, (2008), "Measuring Immigration Related Diversity in the US", *European Journal of Scientific Research*, Vol. 23, No. 4, pp. 513-517.
- A. Ray & I. Ray, (2008), "Intra-Household Allocation, Household Public Good, and Labor Force Participation of Women", *International Research Journal of Finance & Economics*, Issue 21, pp. 135-141.
- A. Mukherjee & A. Ray, (2007), "Strategic Outsourcing and R&D in a Vertical Structure", *The Manchester School*, Vol. 75, Issue 3, pp. 297-310.
- A. Mukherjee & A. Ray, (2007), "Patents, Imitation and Welfare", *Economics of Innovation and New Technology*, Vol. 16, No. 3, pp. 227-236.
- A. Ray & S.N. Ghosh, (2007), "City-Size and Health Outcomes: Lessons from the USA", *Economics Bulletin*, Vol. 9, No. 5, pp. 1-7.
- A. Ray, (2007), "Are Racial Disparities in Diabetes in the USA Driven by Education Distribution?", *Economics Bulletin*, Vol. 9 No. 2, pp. 1-18.
- A. Ray, (2007), "A Time Series Analysis of Long-Term Capital Formation in India", *Vidyasagar University Journal of Commerce*, Vol. 12, March, pp. 21-31.

A. Mukherjee & A. Ray, (2006), "The Welfare Implications of Product Patent: A Simple Model", *Journal of Financial Transformation*, August, Vol. 17, pp.: 36-38.

A. Ray, (2006), "A Class of Decomposable Poverty Measures with Public Transfers", *Economics Bulletin*, November, Vol. 9 No. 3 pp. 1-8.

PUBLICATIONS IN CONFERENCES AND PROCEEDINGS

A. Ray, (2020), "Macroprudential Policy Formulation & Banking Regulation During the Time of Pandemic", International Conference on 'Strategies for Revival of Indian Business in the Post-Pandemic Economic Scenario', Indian Accounting Association. (Research Presented via webinar.)

A. Ray & B. N. Putatunda, (2018), "A Worrisome Explosion: Time Series Analysis of Kidney Cancer Incidence in the United States", *American Society of Nephrology Annual Conference*, San Diego, CA, USA.

A. Ray, (2018), "Macroeconomic Implications of Cybersecurity Challenges in Financial Sector", *International Conference on Financial Sector: Issues, Challenges, and Strategies*, Kolkata, India.

A. Ray, (2018), "A Time Series Analysis of Structural Composition of Earnings in FDIC Insured Commercial Banking and Savings Institutions", *Washington Business Research Forum*, Washington, DC, USA.

A. Ray & B. N. Putatunda, (2017), "A Simulation of Demand-Supply Imbalance in Dialysis Care in India", *American Society of Nephrology Annual Conference*, New Orleans, LA, USA.

A. Ray, (2017), "Market Outcomes in the Presence of Cybersecurity Challenges in a Competitive Banking Industry", *Washington Business Research Forum*, Washington, DC, USA.

A. Ray, (2017), "Spatial Distribution of Asset Composition and Its Determinants In The US Banking Industry", *Washington Business Research Forum*, Washington, DC, USA.

A. Ray, (2017), "Economics of Discretionary Accrual, Fair Value Accounting, and Accounting Fraud", *Golden Jubilee Commemorative International Conference on Emerging Issues in Accounting, Finance, and Taxation*, Kolkata, India.

- A. Ray, (2016), "Financial Inclusion and Cybersecurity: Building a Technology Driven Secure Development Solution", *International Conference on Financial Inclusiveness*, Kolkata, India.
- A. Ray, (2013), "Critical Issues in Energy Finance with Special Emphasis to Renewable Energy: The Role of Markets, Institutions and their Intersections with Policies", *International Conference on Economic Liberalization and Capital Market Development: Indian Perspective*, Kolkata, India
- A. Ray, (2013), "Contemporary Issues in Energy Finance: Markets, Institutions and their Intersections with Policies", *International Conference on Contemporary Issues Financial Institutions and Markets*, Medinipur, India.
- A. Ray, (2010), "Anatomy of Financial Crisis: A Global Perspective", *International Conference on Indian Financial System and the Global Scenario*, Medinipur, India.
- J.E. Foster & A. Ray, (2006), "Income Inequality and Self Rated Health in the United States: Does Education or Race Explain the Link?", *Conference on "Advancing Health Equity"*, World Institute of Development Economics Research (WIDER), Helsinki, Finland.
- T. Pincus, A. Ray, & T. Sokka, (2004), "Arthritis, Heart Attack and Both Diseases Concurrently Occur Substantially More Frequently in Individuals with Low Levels of Formal Education than in the General U.S. Population". *Annual European Congress of Rheumatology*, Berlin, Germany. (Abstract Identifier: SAT0383)

WRITINGS IN POPULAR PRESS

- A. Ray, (2016), "The constitutional case for democratic socialism", *The Tennessean*, February 26.
- A. Ray, (2015), "Nashville should lobby India's airlines to fly to BNA", *The Tennessean*, June 19.
- A. Ray, (2013), "Exports drive economic growth, job creation in Tennessee", *The Tennessean*, July 30.
- A. Ray, (2013), "TVA's Solar Energy Plan Needs More Support", *The Tennessean*, June 12.
- A. Ray, (2013), "Power From the Sun: The Cost-Benefit Paradigm Of 'Green Electricity'",

The Statesman, April 08.

A. Ray, (2013), "Run it on Diesel: The Economics of Road Transportation", *The Statesman*, March 04.

A. Ray, (2012), "The Plummeting Rupee: A Psychological Vote of Confidence In The Dollar", *The Statesman*, May 22.

A. Ray, (2011), "Analyzing Guilts: Need For a Strong Human Rights Movement" *The Statesman*, December 21.

A. Ray, (2011), "The Idea of Democracy: Only An Autocrat Would Dismiss It As Western", *The Statesman*, July 06.

A. Ray, (2011), "Fairy-tale India: The Eradication Of Hunger, Starvation, And Malnutrition" *The Statesman*, June 23.

A. Ray, (2010), "Great Federal Gamble: America's Gift to the Largest Trading Partners?" *The Statesman*, December 13.

A. Ray, (2010), "Garbage Vat Syndrome: Turning the Spotlight Inwards" *The Statesman*, November 11.

A. Ray, (2010), "The Medical Mart: Patient as a Consumer in a Corporate Ambience - II" *The Statesman*, August 23.

A. Ray, (2010), "The Medical Mart: Patient as a Consumer in a Corporate Ambience-I", *The Statesman*, August 22.

A. Ray, (2010), "Rhetorical Discord: Coping with the Current Economic Crisis", *The Statesman*, July 12.

A. Ray, (2006), "Negotiated Prices Aren't The Only Way to Save Folks Money", *The Tennessean*, November 26:

PEER REVIEWER SERVICES FOR INTERNATIONAL JOURNALS

International Journal of Work Organization and Emotion

American Journal of Public Health

Service Science (INFORMS)

Japanese Economic Review

Asia Pacific Journal of Accounting and Economics
American Journal of Preventative Medicine
Journal of Developing Areas
Journal of Epidemiology and Community Health
The Manchester School
Applied Economics
Applied Financial Economics
Economics of Innovation & New Technology
Journal of Healthcare for the Poor and Underserved
Health Economics
British Medical Journal
Economics and Human Biology
Social Science and Medicine
Bulletin of the World Health Organization.

EXAMINER (EXTERNAL) OF DOCTORAL DISSERTATIONS

Indian Institute of Management (2020)
Jawaharlal Nehru University (2010)
Vidyasagar University (2006; 2009; 2011, 2019)
Netaji Subhas Open University (2009)

MEMBERSHIP OF PROFESSIONAL SOCIETIES

American Economic Association

GRADUATE AND UNDERGRADUATE TEACHING

Graduate:

Financial Econometrics
Information Systems and Statistics
Advanced Topics in Healthcare Economics & Management
Economics of Healthcare Organization
Regulation, and Legal Issues
Introduction to Health Economics and Management
Foundations of Economics and Finance

Undergraduate:

Basic Econometrics
Commercial Bank Management
Quantitative Methods (Mathematical Economics)

Principles of Economics: Microeconomics
Principles of Economics: Macroeconomics
Statistical Analysis I
Statistical Analysis II
Quantitative Methods
Intermediate Microeconomics
Urban Economics
Urban Land Resource Analysis