

## Curriculum Vitae

• **Name:** Amrita Chatterjee

• **Professional experience:**

1. **Assistant Professor**, Madras School of Economics from 1st July, 2016

2. Lecturer, Madras School of Economics from 1st July, 2014.

Courses taught:

1. Statistical Methods in 2 semesters to the General Economics and Applied Quantitative Finance Batch
2. Econometric Methods in 2 semesters to the General Economics and Applied Quantitative Finance Batch
3. Financial Mathematics to Applied Quantitative Finance Batch (3 modules)

2. Guest faculty in the department of Humanities and Social Sciences of IIT Madras for the semester January- May, July- November, 2013 and January-May, 2014.

Job Description: Teaching an elective course titled “Principles of Economics” to BTech students of IIT- Madras.

3. Worked as a Consultant for a project with National Council of Applied Economic Research (NCAER), New Delhi under the supervision of Dr. Shashanka Bhide.

Job Description: Analysis of poverty using village level primary survey data with the help of software STATA.

4. Asst. Prof. in Stella Maris College (Autonomous), Chennai from February 2011 to April 2011.

Subjects taught: Statistics, Financial Economics, Business Economics, Globalization.

5. Associate Fellow in National Council for Applied Economic Research (NCAER), New Delhi from 1st Feb, 2010 to 4th November, 2010.

Job description: Used to handle large scale primary survey data at household/village level using the software STATA to do panel data analysis regarding poverty and issue of decentralization. Also did analysis on infrastructural development of India. Supervisor for both the projects was Dr. Shashanka Bhide.

6. Guest Lecturer in Department of Economics in S.A. Jaipuria College under Calcutta University from November 2003 to August 2005.

Subjects taught at the under graduate level: Microeconomics, Econometrics and Mathematical Economics.

• **Teaching Interest:** Statistical Methods, Econometric Methods, Mathematical Economics.

• **Research Interest:** Rural Poverty analysis, Issues of Decentralization, Analysis of Panel data, Computable General Equilibrium Analysis, Genetically Modified Crops, Financial Development and Growth.

• **Ph. D Thesis:** “Genetically Modified Corps: Agricultural Sustainability and Food Security”.

• **Areas of Specialization during PhD:** Economic Growth, Dynamic Optimization, Computable General Equilibrium Modelling.

• **Educational Qualification:**

**S.S.L.C:** Secured 83% marks in 1995 from R.K.S.M. Sister Nivedita Girls’ School under West Bengal Board of Secondary Education.

**P.U.C:** Obtained 75.5% marks in 1997 from Scottish Church College under West Bengal Council of Higher Secondary Education.

**B.Sc:** Hons. in Economics with 59.4% marks in 2001 from Calcutta University.

**M.Sc:** Secured 72.4% marks in 2003 from Calcutta University.

**PhD:** In 2011 from Jadavpur University, Kolkata.

• **Publications:**

**1. Peer-reviewed Journal:**

- I. Amrita Chatterjee and Arpita Ghose (2017) "Consumer's Acceptance towards Genetically Modified Crops and Growth of the Economy: A Theoretical Approach" , Global Journal of Human Social Sciences (E), Volume 17 Issue 1 Version 1.0.
- II. Amrita Chatterjee & Arpita Ghose (2016) ,"A dynamic economic model of soil conservation and drought tolerance involving genetically modified crops" Journal of Social and Ecpnomic development (Springer) 18(1), page-40-66: 40. doi:10.1007/s40847-016-0026-7
- III. Amrita Chatterjee, Sanjib Pohit and Arpita Ghose (2016). “Trade and Distributional Impacts of Genetically Modified Crops in India: A CGE Analysis”. Margin—The Journal of Applied Economic Research 10 : 3 (2016): 1–27 ( A SAGE Publication)
- IV. Amrita Chatterjee and Arpita Ghose (2010). “Genetically Modified Crops: Global and Indian Perspective”, Asian Biotechnology Development Review, Vol 12, No. 2, pp-69-105, 2010.

**2. Conference Publication:** “Trade and Distributional impact of Genetically Modified Crops in India: A CGE analysis” co-authored with Dr. Arpita Ghose and Dr. Sanjib Pohit

is available as GTAP resource # 3250 and can be seen online at <https://www.gtap.agecon.purdue.edu/resources/download/4939.pdf>

**3. Research Report:** Part of the study team in the report “Accelerating Infrastructure Building in India” published by NCAER, sponsored by Holcim.

**4. JU Centre for Advanced Studies Working Paper:** ‘Impact of Biotechnology in Agriculture and Consumer Acceptance of GM Crops: Assessment from a Neoclassical Growth Model’, co-authored with PhD Supervisor Arpita Dhar(Ghose), published as a Centre for Advanced Studies Working Paper from Jadavpur University, Kolkata.

**5. MSE working paper:**

- I. "A dynamic economic model of soil conservation involving genetically modified crops", co-authored with Dr. Arpita Ghose, MSE working paper no. 96
- II. Consumer's Acceptance Towards Genetically Modified Crops and Growth of the Economy: A Theoretical Approach, co-authored with Dr. Arpita Ghose, MSE working paper no. 137.

**• Conference Presentations:**

1. "Trade and Distributional impact of Genetically Modified Crops in India: A CGE analysis" Presented in 13th Annual GTAP conference on Global Economic Analysis held on 9- 11th June, 2010 in Penang, Malaysia.

2. ‘A Dynamic Economic Model of Soil Conservation involving Genetically Modified Crop’, was accepted for presentation in International Conference on Applied Economics and Time- series Econometrics, organized by ICFAI business school, Hyderabad, IGIDR, Mumbai and TIES held on 17-18th April, 2009 at IBS, Hyderabad.

3. ‘Impact of Biotechnology in Agriculture and Consumer Acceptance of GM Crops: Assessment from a Neoclassical Growth Model’, co-authored with PhD Supervisor Arpita Dhar (Ghose), presented at

(a) International: South and South-East Asian Econometric Society meet (SAMES 06) in December 18-20, 2006 in Chennai.

(b) National: The First Doctoral Theses Conference held in The ICFAI Business School, Hyderabad, on March 9-10, 2007.

**4. MSE Seminar:** Presented a paper titled, “Decentralization and dynamics of poverty in rural India: an interstate comparison at the village level ”, at 5th MSE Seminar Retreat Series at Yercaud on 21-23 March, 2015

**• Workshops Attended:**

1. ‘Introduction to Computable General Equilibrium Modeling (CGE)’ held at Indira Gandhi Institute of Development Research (IGIDR), Mumbai on 17th – 26th June, 2008.

2. Research Training Program on CGE modeling and Data Analysis held in Jadavpur University, Economics Department for the period of 20th– 25th October, 2008.

3. Advanced Research Training Program on 'Computable General Equilibrium Modeling and Data Analysis' held in Jadavpur University, Economics Department, 11th– 16th May, 2009.

4. Time Series and Financial Econometrics organized by Department of Economics, Jadavpur University, Kolkata in collaboration with The Indian Econometric Society (TIES) from 1-9 th June, 2015

• **Awards:** Qualified UGC-NET (JRF) in December 2004 and thereby receiving scholarships and grants as per JRF/SRF UGC norms.

• **Software Handled:**

- Maple: Used for Analytical/Symbolic Computation during solving Hamiltonian equations in Dynamic Optimization Exercise
  - GEMPACK: General Equilibrium Modeling Package used for solving very large system of nonlinear equations and got accurate solutions of General Equilibrium models
  - GAMS: Mathematical Programming and optimization software used for Solving Complex General Equilibrium model
  - STATA
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- Reviewed research article for Elsevier Journal "Economic Modelling".

**Administrative responsibility:**

- Worked as Faculty Advisor for Financial Economics batch for 2 years