

**RESEARCH INTERESTS** Area of broad interest is at the intersection of Financial Technology (FinTech) and financial advisory market. Other interests include effects of competition and fraud/misconduct behavior.

**TEACHING INTERESTS** Corporate Finance, Household Finance, Topics in FinTech and Financial Econometrics.

**ACADEMIC EMPLOYMENT** **Indian Institute of Management, Bangalore**, Bengaluru, India

**Senior Research Fellow**, Center for Capital Markets and Risk Management, March 2016 to July 2017

- Computer coding and mathematical analysis
- Project on factor models for the Indian market

**Pedagogical Research Fellow**, edX Project, December 2014 to March 2016

- Worked actively, alongside the professors, to develop course content for Massive Open Online Courses (MOOCs); provided support and handled the discussion forums, post-launch of a course
- Have been a part of development of five MOOCs in a span of one year (Statistics for Business – 1, Statistics for Business – 2, Introduction to Accounting – Part 1, Management Accounting and Introduction to Investments)

**Research Assistant**, IIMB - Century Real Estate Research Initiative, September 2016 to November 2016

- Worked on the Indian Real Estate data, mostly to clean and to arrange the data, using MATLAB

**EDUCATION** **Emory University**, Atlanta, United States

PhD, **Finance**, **Goizueta Business School**, *expected 2023*

- Thesis Topic: *Impact of Robo-advisors on Financial Advisors' Labor Market*
- Advisors: [Gonzalo Maturana](#) and [William Mann](#)
- Thesis Overview: Study the impact of robo-advisors on (1) financial advisory labor market and (2) misconduct behavior of financial advisors. Employ different data collection methods (from hand-collect to web-scrape) to obtain various datasets, and combine them to obtain a unique dataset for the purpose of this study.

- Relevant Courses: Microeconomics, Macroeconomics, Probability Theory, Econometrics, Financial Economics, Labor Economics, Empirical Industrial Organization, Corporate Finance and Empirical Asset Pricing.

**Indian Institute of Technology, Madras, Chennai, India**

PhD, **Aerospace Engineering**, 2014

- Thesis Topic: *Studies on understanding the mechanism of certain additives in composite solid propellant combustion.*
- Advisor: P. A. Ramakrishna

**Aeronautical Society of India, New Delhi, India**

Bachelors, Aeronautical Engineering (Specialization in Propulsion), 2008

**Osmania University, Hyderabad, India**

Bachelor of Arts (Applied Mathematics and Statistics), 2008

ACADEMIC  
EXPERIENCE

- Research Assistant** August 2019 to July 2020  
Department of Finance,  
Goizueta Business School, Emory University, Atlanta  
Faculty: Gonzalo Maturana
- Teaching Assistant** January 2019 to April 2019  
Department of Finance,  
Goizueta Business School, Emory University, Atlanta  
Faculty: Gonzalo Maturana
- Teaching Assistant** August 2018 to December 2018  
Department of Finance,  
Goizueta Business School, Emory University, Atlanta  
Faculty: Tarun Chordia
- Teaching Assistant** January 2010 to April 2010  
Department of Aerospace,  
Indian Institute of Technology Madras, Chennai, India  
Faculty: P A Ramakrishna

REFEREED  
JOURNAL  
PUBLICATIONS

1. **Kumar Ishitha** and Ramakrishna P A (2014), Enhancement of a Composite Solid Propellant Burning Rates using Potassium Doped Ammonium Perchlorate – Part I, *Journal of Propulsion and Power*, Vol. 30, No.2, pp.277–284
2. **Kumar Ishitha** and Ramakrishna P A (2014), Enhancement of a Composite Solid Propellant Burning Rates using Potassium Doped Ammonium Perchlorate – Part II, *Journal of Propulsion and Power*, Vol. 30, No. 4, pp.876-882
3. **Kumar Ishitha** and Ramakrishna P A (2014), Studies on the Role of Iron Oxide and Copper Chromite in Solid Propellant Combustion, *Combustion and Flame*, Vol. 161, Issue 10, pp.2717-2728.

4. **Kumar Ishitha** and Ramakrishna P A (2014), Activated Charcoal: As Burn Rate Modifier and Its Mechanism of Action in Non-Metalized Composite Solid Propellants, *International Journal of Advances in Engineering Sciences and Applied Mathematics, Invited Contribution*, Vol. 6, Issue 1-2, pp.76-96.
5. **Kumar Ishitha** and Ramakrishna P A (2015), Reducing Agglomeration of Ammonium Perchlorate using Activated Charcoal, *Propellants, Explosives, Pyrotechnics*, Vol. 40, No. 6, pp.838-847.
6. **Kumar Ishitha** and Ramakrishna P A (2016), Burning Rate Studies: Potassium-Doped Ammonium Perchlorate with Other Burn-Rate Modifiers, *Journal of Propulsion and Power*, Vol. 32, No. 5, pp.1104-1109.
7. Gaurav Marothiya, Chaitanya V, **Ishitha K**, Ramakrishna P A (2017), An Effective Method to Embed Catalyst on AP and Its Effect on the Burn Rates of Composite Solid Propellants, *Combustion and Flame*, Vol. 182, pp. 114-121.

PATENT

**Kumar Ishitha** and Ramakrishna P A (2020), Process for Surface Coating of Burn Rate Modifiers on Ammonium Perchlorate and Uses Thereof, Patent No. 343735.

PRESENTATIONS

- **Kumar Ishitha** and Ramakrishna P A, “Sandwich propellant study to determine the action site of activated charcoal”, *Eighth Asia – Pacific Conference on Combustion*, Hyderabad, India, Dec-2010.
- **Kumar Ishitha** and Ramakrishna P A, “Development of a High Burn Rate Non – Aluminized Composite Propellant with Low Burn Rate Pressure Index”, *47th AIAAASME SAE ASEE Joint Propulsion Conference and Exhibit*, San Diego, California, 2011, paper No. AIAA 2011-5559.
- **Kumar Ishitha** and Ramakrishna P A, “Studies on the Mechanism of Iron Oxide and Copper Chromite in Solid Propellant Combustion”, *Twenty Sixth National Convention of Aerospace Engineers and National Seminar on “Expanding Frontiers in Aerospace Technologies – Challenges and Opportunities*, Hyderabad, India, Nov-2012.
- **Kumar Ishitha** and Ramakrishna P A, “Studies to understand the Low Pressure Deflagration Limit of Ammonium Perchlorate”, *National Propulsion Conference 2013*, Chennai, India, 2013.
- Gaurav Marothiya, **Kumar Ishitha**, Ramakrishna P A, “A New and Effective Method to Enhance the Burn Rate of Composite Solid Propellants”, *Ninth Asia-Pacific Conference on Combustion*, Gyeongju, Korea, May-2013.
- **Invited Talk: Prof. P. J. Paul Memorial Combustion Researchers Meet**, February 22 – 23, 2014 at Jain University, Bangalore.

## AWARDS

- Class 12 Twenty fourth rank in the Andhra Pradesh Board Exam.
- All India first rank in the propulsion stream of Aeronautical Society of India.
- Institute Blues winner at the Indian Institute of Technology, Madras for outstanding all round performance by a research scholar.
- Sheth Fellow at Emory University, 2020.

## SOFTWARE SKILLS

C, C++, MATLAB, SAS, R and Python.

REFERENCES

**Gonzalo Maturana** (chair)

Goizueta Foundation Term Associate Professor of Finance  
Goizueta Business School  
Emory University  
1300 Clifton Road NE  
Atlanta, GA 30322  
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**William Mann** (co-chair)

Assistant Professor of Finance  
Goizueta Business School  
Emory University  
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**Tarun Chordia**

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