



Assistant Professor Pooya HEDAYATINIA

Academic Department: Finance, Accounting and Management Control

Email: pooya.hedayatinia@essca.fr

RESEARCH INTERESTS

- Supply chain finance
- Stochastic Modeling and SDEs
- Contract Theory and Game Theory

TEACHING DOMAINS

- Financial Engineering
- Quantitative Finance
- Financial Risk Management
- Supply Chain Finance

EDUCATION

Highest degree :

- | | |
|------|---|
| 2023 | <p>Doctorate, Management Science, Finance, IMT-Atlantique (Nantes) and IGR-IAE, Université de Rennes 1, France</p> <p><i>Analysis of the supply chain from a financial perspective and optimization of contracts (option contracts) in a decentralized supply chain under financial pressure.</i></p> |
| 2017 | <p>Master in Finance- Advanced Studies and Research, IGR-IAE Rennes 1, France</p> |
| 2011 | <p>Bachelor of Science - Physics (Atomic), Shahid Beheshti University, Iran</p> |

PROFESSIONAL EXPERIENCE

Academic experience and positions

- | | |
|-------------|---|
| Since 2025 | Assistant Professor, ESSCA School of Management, France |
| 2020 - 2024 | Adjunct Professor, Rennes School of Business, France |
| 2019 - 2023 | Doctoral Researcher, IMT-Atlantique, Université de Rennes 1, France |
| 2020 - 2022 | Lecturer, IMT-Atlantique, Université de Rennes 1, France |

Professional experience

- | | |
|-------------|--|
| 2018 - 2018 | Financial advisor- Inventory strategies, Mir Nezam co., Iran |
| 2012 - 2016 | Financial Market Analyst, Agah Broker |

GRANTS AND HONORS

2019 Doctoral Fellowship, French Ministry of Higher Education, Agence Nationale de Recherche (ANR), France

INTELLECTUAL CONTRIBUTIONS

Conference proceedings

HEDAYATINIA, P., LEMOINE, D., MASSONNET, G. and VIVIANI, J.L. (2021). Put Option Contracts in Newsvendor Model with Bankruptcy Risk. In: *Advances in Production Management Systems. Artificial Intelligence for Sustainable and Resilient Production Systems (APMS 2021)*. Springer International Publishing, pp. 167-174.

HEDAYATINIA, P., LEMOINE, D., MASSONNET, G. and VIVIANI, J.L. (2020). Analysis of the Impact of Demand Volatility and Return Policies on a Price-setting Newsvendor. In: *21st IFAC World Congress*. Berlin: IFAC-PapersOnLine, pp. 10843-10848.

Conference paper (with selection committee)

HEDAYATINIA, P. (2023). Enhance the performance of a supply chain via Option contracts. In: POMS 2023 International Conference. Rennes School of Business.

HEDAYATINIA, P. (2023). Option contracts implication in financially constrained supply chain. In: 39th International AFFI Conference. Kedge Business School, Bordeaux.

RESEARCH ACTIVITIES

Service to the academic discipline

Organising committee of a conference

2023 - 2023 POMS 2023, Rennes School of Business, France

2021 - 2021 APMS 2021, IMT Nantes Atlantique, France