

Alaa SHQAIRAT

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PERSONAL STATEMENT

I am a third-year PhD candidate in Management Science, specializing in Circular Economy and sustainable supply chain practices. I hold a Master's in International Management and a Bachelor's in Engineering, with 11 years of experience in international industrial roles across various countries. During a research visit at KTH Stockholm, I published my first article. I have also worked with key industry players in logistics, consulting on sustainable practices. My research began with qualitative methods, providing a foundation for my current focus on modeling reverse logistics flows using System Dynamics and Agent-Based Modeling. I am keen to take on teaching roles to share my knowledge and prepare for a future career in academia, continuing to connect theory with practical applications in supply chain and logistics fields.

EDUCATION

PhD in Management (CIFRE contract).

March 2022 to Present

Univeristé de Lorraine, Nancy, France

Laboratory: BETA, and CRAN.

Dissertation title: Formalization and Evaluation of Logistics Flows in a Circular Economy Context: The Case of Lithium-Ion Batteries for Electric Vehicles.

Master in Business administration, International management.

2020

Université de Rennes1, Rennes, France

IGR-IAE

Dissertation title: Sustainability Evaluation of Small and Medium Firms Using Renewable Energy Micro-Grids Projects.

Bachelor's in Electrical Engineering

2010

Tafila Technical University, Tafila, Jordan.

Faculty of Engineering

RESEARCH EXPERIENCE

- **Research Visit and Mobility**

Department of Industrial Economics and Management (INDEK), the Royal Institute of Technology, KTH, Sweden. 01/09/2023 to 15/12/2023.

- **Conferences**

- Invited Speaker at RELiTE “**Responsible Lithium Production for Energy Transition and Electric Mobility**”

San Salvador de Jujuy, Argentina. 1 - 5 July, 2024.

- Presentation at CIEC-2024 “**Congrès Interdisciplinaire sur l'Economie Circulaire 2024**”

Montpellier, France. 26 - 27 June, 2024.

- Poster and presentation at the International Congress “**Metals for Electric Mobility**” LabEx RESSOURCES21.

Nancy, France. 19 - 20 September 2023.

- **Publications as a first author**

- **“Implications of European Union Regulation on the Circular Economy and Stakeholder Strategies in the Electric Vehicle Lithium-Ion Battery Sector”**. Journal: Management of Environmental Quality: An International Journal.

Methodology: Qualitative Analysis (Interviews, and Text analysis).

- **“Estimation of Electric Vehicles Lithium-Ion Battery Scrap Towards Recycling Facilities in the EU”**. Journal: Journal of Environmental Science and Pollution Research. Submitted on 11/03/2024. Currently under review.

Methodology: Quantitative Material flow analysis.

- **“Quantitative Model-Based Review of the Complex End-of-Life Phases of Electric Vehicle Batteries”**. Journal: International Journal of Production Research. Submitted on 21/07/2024. Currently under review.

Methodology: Literature Review and qualitative thematic analysis.

- **“Réglementation Européenne sur les Batteries de Véhicules Électriques : Vers une Promotion de l'Économie Circulaire”**
Journal : Les Techniques de l'Ingénieur. Accepted in July 2024.

INDUSTRIAL EXPERIENCE :

- **Global Key Account Professional.** 11/04/2022 to Present
Ceva Logistics
International Company based in Marseille, France.
- **Head of Logistics and Administration Department.** 15/02/ 2018 to 14/02/2019
The United Nations, UNAMID, Peacekeeping Mission, Darfur, Sudan.
- **Team leader, Engineering department.** 03/ 03/ 2015 to 14/02/ 2018
Public Security Directorate, Amman, Jordan.
- **Electrical Engineer.** 01/08/2011 to 02/03/2015
Public Security Directorate, Amman, Jordan.
- **Site Engineer.** 01/09/2010 to 31/07/2011
Cellex Arabia Group, Saudi Arabia.

SKILLS

Quantitative: Agent Based Modeling, System Dynamics Modeling, Material Flow Analysis, and Life Cycle Assessment.

Software: AnyLogic, Vensim, and Stata. Programming skills: Python, and Java.

Qualitative: Text Analysis, Semi-structure interviews.

Software: Nvivo.

LANGUAGES

Arabic: Native **English: Proficient** **French: Advanced**

REFERENCES

- **Prof. Sebastien Liarte**
Professor of Management
BETA Research Center
Université de Lorraine
sebastien.liarte@univ-lorraine.fr
- **Dr. Pascale Marangé**
Centre de recherche en automatique de Nancy.
Université de Lorraine
pascale.marange@univ-lorraine.fr
- **Prof. Cali Nuur**
KTH, Department of Industrial Economics and Management
Stockholm, Sweden
cali.nuur@indek.kth.se
- **Prof. Alexandre Chagnes**
Laboratoire GeoRessources
Université de Lorraine
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