

Nail Tahirov

Plattenstrasse 14 | 8032 Zurich | Switzerland
(+41) 44-634-3771 | nail.tahirov@business.uzh.ch | www.nailtahirov.research.st

ACADEMIC INTERESTS

Topics: Sustainable Operations, Circular Economy, Multi & Omni-Channel Distribution Systems, Supply Chain Network Design and Optimization, Inventory and Scheduling Problems.

Methods: Game Theoretical Models, Combinatorial Optimization, Nonlinear Programming, Metaheuristics, Multivariate statistics.

EDUCATION

PhD in Production and Supply Chain Management
Technical University of Darmstadt Darmstadt, Germany
Oct 2018 - Feb 2023

Micro-Masters in Supply Chain Management
MIT Center for Transportation and Logistics MIT, Online Program
Sept 2020 - Dec 2021

Bachelor & Master of Science in Industrial Engineering
Qafqaz University Baku, Azerbaijan
Sept 2004 - Jun 2011

ACADEMIC POSITION

Postdoctoral Research Fellow
Business Administration Department, University of Zurich Zurich, Switzerland
Oct 2022-Presentm

- Conducting research in sustainable operations
- Instructing undergraduate and graduate-level courses
- Leading grant proposals for innovative projects

RESEARCH

Published papers

- **Nail Tahirov** & Christoph H. (2022). Manufacturer encroachment and channel conflicts: A systematic review of the literature. *European Journal of Operational Research*, 302(4), 403-426.
- N.Akhundov, **Nail Tahirov** & C.H. Glock (2022). Optimal scheduling of wait-staff with different experience levels at a restaurant chain. *INFORMS Journal on Applied Analytics*, 52(4), 324-243.
- S.Emde, **Nail Tahirov**, M. Gendreau, & C.H. Glock (2020). Routing automated lane-guided transport vehicles in a warehouse handling returns. *European Journal of Operational Research*, 292(3), 1085-1098.
- M. Jaber, P. Hasanov & **Nail Tahirov**(2018). Four-level closed-loop supply chain with remanufacturing. *Applied Mathematical Modelling*, 66(1), 141-155.
- **Nail Tahirov**, P. Hasanov & M. Jaber (2016). Optimization of closed-loop supply chain of multi-items with returned subassemblies. *International Journal of Production Economics*, 174(1), 1-10.

Submitted papers

- **Nail Tahirov**, Akhundov, N., Emde, S. & Glock C.H (2023).Omni-channel distribution network design for an encroaching manufacturer. *Major revision in progress.*

Working papers

- **Nail Tahirov**, Huseyn Abdulla, & Tarkan Tan (2023).Carbon offsetting with project relevancy.

TEACHING	23HS 22BO0010: Introduction to Operations Research <i>Chair of Sustainable Operations Management</i>	University of Zurich <i>Sep 2022-Dec 2022</i>
	23FS 22BO0109: Introduction to Operations Management <i>Cahir of Sustainable Operations Management</i>	University of Zurich <i>Feb 2023-Jun 2023</i>
	OM 502: Operations Management <i>UNEC Business School</i>	Azerbaijan State University of Economics <i>Sep 2017-Dec 2017</i>
	00783: Quality Control <i>SABAH CENTER</i>	Azerbaijan State University of Economics <i>Sep 2017-Jan 2018</i>
	IE 311: Project Management & Applications <i>Industrial Engineering Department</i>	Qafqaz University <i>Sep 2013-Jan 2014</i>
AWARDS	Research Grants <i>Awarded a full scholarship for doctoral studies by DAAD</i>	Darmstadt, Germany <i>Aug 2018-Oct 2022</i>
	Scholarship for Undergraduate and Graduate Studies <i>Awarded a full-tuition scholarship by Qafqaz University</i>	Baku, Azerbaijan <i>Sep 2004-Jun 2011</i>
GRANT PORTFOLIO	BP Azerbaijan (Caspian Ltd.)-QAFQAZ University collaboration, "Enlargement of Engineering School" – Phase II (Mechanical Engineering) (09/2011 - 12/2014).	
	<ul style="list-style-type: none"> • Grant number : G-10-BPCS200814, Call off C-11-BPCS-285969. • Project budget: \$1.260.454,75. • Role: project coordinator. 	
	Curriculum Reform and Modernization of Ecology Engineering Based on Nanotechnology ECONANO (10/2012 - 09/2013).	
	<ul style="list-style-type: none"> • Grant Number: 543924-TEMPUS-1-2013-1-IT-TEMPUS-JPCR. • Project budget: € 73.945,00. • Role: project manager assistant. 	
	Establishing Modern Master-level Studies in Industrial Ecology IEMAST (09/2012 - 06/2014).	
	<ul style="list-style-type: none"> • Grant number: 517346TEMPUS- 1-2011-1-SE-TEMPUS-JPCR. • Project budget : € 90.645,00. • Role: project manager assistant. 	
INDUSTRY EXPERIENCE	Consultant <i>BIRAINY</i>	Baku, Azerbaijan <i>Feb 2017-Dec 2020</i>
	<ul style="list-style-type: none"> • Waitstaff scheduling optimization project at a fast-food restraunt chain Major outcomes: reduction in labor cost (21%), understaffing (100%), over-staffing. (42%), and scheduled hours (23%). 	
	<ul style="list-style-type: none"> • Operations improvement project at a at a printing, publishing & packaging company Major outcomes: increased sales volume (18%), reduction in inventory costs (30%) and average lateness of order processing (50%). 	
	<ul style="list-style-type: none"> • Process analysis project at a furniture company Major outcomes: reduction in process cycle time (55%) and order fulfilment (23%). 	
	<ul style="list-style-type: none"> • Sales & Route optimization project at a bakery company. Major outcomes: 12% increase in sales, 30% reduction in returns, and 25% decrease in logistics costs. 	
	<ul style="list-style-type: none"> • Cooperate trainings Data analysis and visualization with POWER BI, MS Projects, Project Management, Production Planning & Control. 	

SERVICE

Ad-hoc reviewer

- European Journal of Operational Research
- Computers & Industrial Engineering

Thesis supervision

- Undergraduate students
- Master students

PROFESSIONAL AFFILIATIONS The Institute for Operations Research and the Management Sciences (INFORMS)

SKILLS

Software: Programming with Python, Gurobi Optimizer, SIEMENS Technomatix Plant Simulation, MS Project, Power BI, MySQL, Application of Machine Learning Algorithms, Wolfram Mathematica.

Languages: English (fluent), Turkish (fluent), German (intermediate), Azerbaijani (native).