



PERSONAL INFORMATION:

Full Name: Sättar Ezzati

Nationality: Iranian

Academic Level: Assistant Professor.

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EDUCATION:

PDF, 2019, Forest Logistics and Value-Creation Network, Université Laval, Canada Ph.D, 2016. Forest Engineering and Management, Tarbiat Modares University, Iran MS, 2010. Forest Engineering, Tarbiat Modares University, Iran BS, 2008. Forestry, Kordistan University, Iran.

RESEARCH INTEREST:

Forest logistics & transportation

Wood supply-chain, value-added network

Planning and management

Biomass utilization

Bioenergy and GHG emissions

Forest Industry 4.00

Operations research in forestry

PUBLICATION:

Ezzati, S., Latterini, Zenner, E.K., Pakdaman, M., Naseri, M.H., Nikjoui, M., Ahmadi, SH., 2023. Spatially explicit modeling of disease surveillance in mixed oak-hardwood forests based on machine-learning algorithms., *J. Environ Manag*, 337 (1): 117714.

Tavankar, F., Nikooy, M., **Ezzati, S.**, Venanzi, R., Latterini, F., & Picchio, R. 2022. Long-term assessment of soil physicochemical properties and seedlings establishment after skidding operations in mountainous mixed hardwoods. *Eur J Forest Res.*

Ezzati, S., Tavankar, F., Ghaffariyan, M. R., Venanzi, R., Latterini, F., & Picchio, R. 2021. The Impact of Weather and Slope Conditions on the Productivity, Cost, and

GHG Emissions of a Ground-Based Harvesting Operation in Mountain Hardwoods. *Forests*, 12(12), 1612.

Ezzati, S., Cristian, D.P., Bettinger, P., Eriksson, L.O. 2020. An integrated multi-criteria decision analysis and optimization modeling approach to spatially operational road decisions. *Canadian Journal of Forest Research*. ID: 10.1139/cjfr-2020-0016.

Hosbeeck, S.V. **Ezzati, S.**, Röser, D., Brown, M. 2020. A two-stage DSS to evaluate optimal locations for bioenergy facilities. *Forests*. 11(9), 968; <https://doi.org/10.3390/f11090968>.

Ezzati, S., 2019. Geospatial multi-criteria decision analysis for forest operational planning. Chapter book in *Spatial Modeling in GIS and R for Earth and Environmental Science*, Elsevier publication, 978-0-12-815226-3.

ACADEMIC TEACHING EXPERIENCE:

- Lecturer, department of forestry, PU, SU, GU (2011-23) [Undergraduate level: 1st cycle]
 - Forest roads network (No. Stud: 67)
 - Forest sampling designs (No. Stud: 43)
 - Design of experimental (DOE) in forest management (No. Stud: 43)
 - Geospatial analysis in forestry (No. Stud: 14).
 - Summer school outdoor projects (No. Stud: 4)
 - An Introduction to natural resources (No. Stud: 24)
 - Forest operations in mountainous terrains (No. 20)
 - Forest transportation (No. 65)
 - General english (No. 130)
 - General natural resources (No. 75)
- Teaching assistant, department of forestry, TMU, GU (2009-23) [Graduate level: 2nd cycle]
 - Planning of forest roads network in mountain regions (No. Stud: 16)
 - Principles of forest engineering (No. Stud: 22)
 - Logging equipment in mountain timber harvesting (No. Stud: 14)
 - Multi-criteria decision evaluation in natural resource management (No. Stud: 4)
 - Forest mechanization (No. Stud: 6)
 - Optimization techniques in forest engineering (No. 9)
 - Forest logistics (No. 6)
 - Control projects in forest engineering (No.3)
 - Linear programming (basic and advanced) in forest engineering (No. 6)
 - Decision support systems and machine-learning algorithms (No. 3)

TMU: Tarbiat Modares University, Tehran, Iran; PU: Private University, Māzandarān , Iran;
SU: Sari University, Mazandaran, Iran, GU: Gorgān University

SERVICE AND PROFESSIONAL MEMBERSHIP:

- Journal of Agricultural Science and Technology A & Journal of Agricultural Science and Technology B. (2012-15).
- Journal of Ecosystem and Botanical Science, (JEBS), (2013-14)
- Journal of Forest and Environmental Protection, (2013-present)
- Journal of Forest Science, Czech, (2015-present).
- Computers and Electronics in Agriculture, China, (2017-present)
- Eurasian Journal of Soil Science, (2019-present)
- ISPRS International Journal of Geo-Information, (2019-present)
- Forests, Open Access Journal (2019-present)
- Energies, Open Access Journal (2020-present)
- Sustainability, Open Access Journal (2021-present)
- Energy, Open Access Journal (2022-present)
- Sustainability, Open Access Journal (2020-present)
- Topic Editor, Open Access Journal of Forests and Forest Ecology (2019-present)
- Plant Modeling, Open Access Journal (2020-present)
- Acta Scientific Agriculture (2021—present)
- iForest- Biogeoscience and Forestry (2023-present)

PROFESSIONAL MEMBERSHIP:

- FORAC research consortium-Université Laval (2017-2020)
- Interuniversity Research Center on Enterprise Networks, Logistics and Transport CIRRELT (2017-present).
- Canadian Operations Research (2018-2020)
- Representative of postdoctoral students in CIRRELT, Montréal (2019-2022)

AWARDS:

- Short-term sabbatical research grant, Université de Toulouse INP (Toulouse-Lebége), Institut National Polytechnique Toulouse, France (2022) (€6,000)
- Short-term sabbatical research awards, Globalink Research Awards Abroad, MITACS, Canada (2019). (€4,004).
- Postdoctoral fellow, FORAC Université Laval, Québec, Canada (2019). (C\$14,000).
- Postdoctoral fellow, MITACS, Bioénergie La Tuque, Canada (2018-19). (€37,000).
 - Travel awards from 18th Symposium on Systems Analysis in Forest Resource, ISCI, Chile (2019). (~€700).
- Postdoctoral fellow, MITACS, Bioénergie La Tuque, Canada (2017-18). (€29,000)
- Travel grants (Canadian Society of Operation Research (CORS), 2018). (€135).
- Research grants, Ministry of Science and Technology, Iran, (2015). (€5,200). • Travel awards from various Swedish institutes (KSLA, ÅFORSK, SCA). (2015-17). (~€4,000).
- Travel awards from 18th Symposium on Systems Analysis in Forest Resource (2019). (~€700).
- Graduate student awards of forestry department (Ph.D. level), TMU, Tehran, Iran, 2016.
- Visiting scholar, department of forest resource management, SLU, Sweden, 2015-16.
- Honor student of forestry department (Ph.D. entrance exam), Tehran, Iran, 2010.
- Awarded the outstanding graduate student of forestry department (Master level), TMU, Tehran, Iran, 2008.
- Awarded the excellent student instructor, 2012-13.

Languages:

- English (Proficient), French (writing and reading knowledge, basic comprehension).