

Abolfazl JAAFARI - Curriculum Vitae

Personal Information

Name: Abolfazl

Surname: Jaafari

Date of Birth: November 19, 1982

Current Position: Assistant Professor

Address: Research Institute of Forests and Rangelands,
Agricultural Research, Education, and Extension
Organization (AREEO), Tehran, Iran

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Short Profile

I have been serving as an Assistant Professor at the Research Institute of Forests and Rangelands since December 2018, where my primary focus is on forest planning and management, forest engineering, and spatial modeling. With a keen interest in integrating the ecological and utilitarian values of forests, I strive to create effective forest management practices that align with societal goals and take into account climate change and natural hazards.

My research work encompasses various areas such as the development and evaluation of optimization and predictive models for road planning and harvest scheduling, as well as the spatially explicit prediction of natural hazards such as wildfires, landslides, and floods, among others. By analyzing the resilience of ecosystems/communities, I aim to create efficient management strategies that can mitigate or prevent adverse socio-economic impacts of natural hazards on human societies.

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I have garnered extensive experience through my association with several reputable national and international organizations and consultants, including the University of Tehran (Iran), Tarbiat Modares University (Iran), Mazandaran University of Science and Technology (Iran), University of Guilan (Iran), Shahrekord University (Iran), University of Kurdistan (Iran), Shiraz University (Iran), University of Padova (Italy), Polytechnic University of Valencia (Spain), The Pennsylvania State University (USA), University of Georgia (USA), University of Brighton (UK), Public Works Research Institute (Japan), University of South-Eastern Norway (Norway), Gujarat Technological University (India), Jamia Millia Islamia (India), University of Transport Technology (Vietnam), Universiti Teknologi Malaysia (Malaysia), National Technical University of Athens (Greece), Korea Institute of Geoscience and Mineral Resources (South Korea), Nanjing Normal University (China), and University of Paris-Saclay (France).

Education

- 2015 -** Ph.D., Forestry, Faculty of Natural Resources, Tarbiat Modares University, Iran.
Dissertation Title: Planning forest transportation network under a multi-objective perspective using metaheuristics algorithms
- 2010 -** M.Sc., Forestry, Faculty of Natural Resources, Tarbiat Modares University, Iran
Thesis Title: Recovery of chemical soil properties from ground skidding over a 30-year period after timber harvesting in forests of Iran
- 2008 -** B.Sc., Forestry, Faculty of Natural Resources, University of Tehran, Iran

Areas of Expertise and Interest

Forestry

Spatial Modeling

Geospatial Artificial Intelligence

Natural Hazards

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GIS

RS

Vulnerability

Adaptation

Resilience

Computer Skills

Text Processing MS-Office Package

Data processing Excel, Access, SPSS, R, Matlab, Weka, ArcGIS/Map, ENVI, PCI-Geomatica, and Google Earth Engine

Presentation PowerPoint, Adobe, Prezi, and Internet

Advanced Placement (AP) Awards:

- AP Student of Tarbiat Modares University (2014)
- AP Researcher of Tarbiat Modares University (2015)
- AP Researcher of Research Institute of Forests and Rangelands (2023-2024)

Scholarships and Grants

- Tarbiat Modares University, Iran
- Ministry of Science Research and Technology, Iran
- Geographical Organization of Iran
- Iran National Elites Foundation
- Research Institute of Forests and Rangelands of Iran
- Iran National Science Foundation
- Vietnam Academy of Science and Technology

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- National Natural Science Foundation of China
- US Department of Agriculture
- Indian Department of Science and Technology
- Special Programme for Development of Capacities – IUFRO
- Short Stay Research Program of France-Iran

Research Performance (June 15, 2024)

Web of Science H-index: 37

Scopus H-index: 39

Google Scholar H-Index: 43

Websites



<https://scholar.google.com/citations?user=4nJWGxwAAAAJ&hl=en>



<https://www.researchgate.net/profile/Abolfazl-Jaafari>



<https://www.scopus.com/authid/detail.uri?authorId=56095916900>



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Scientific Research Articles (2014-2024)

- **Abolfazl Jaafari**, Akbar Najafi, Hamid Reza Pourghasemi, Javad Rezaeian, Ali Sattarian (2014). GIS-based frequency ratio and index of entropy models for landslide susceptibility assessment in the Caspian forest, northern Iran. *International Journal of Environmental Science and Technology*, 11:909-926

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- **Abolfazl Jaafari**, Akbar Najafi, Eric K. Zenner (2014). Ground-based skidder traffic changes chemical soil properties in a mountainous Oriental beech (*Fagus orientalis* Lipsky) forest. *Journal of Terramechanics*, 55:39-46
- **Abolfazl Jaafari**, Akbar Najafi, Javad Rezaeian, Ali Sattarian (2015). Modeling erosion and sediment delivery from unpaved roads in the north mountainous forest of Iran. *International Journal on Geomathematics*, 6: 343-356
- **Abolfazl Jaafari**, Akbar Najafi, Mónica García Melón (2015). Decision making for the selection of a best wood extraction method: An Analytical Network Process approach. *Forest Policy and Economics*, 50:200-209
- **Abolfazl Jaafari**, Akbar Najafi, Javad Rezaeian, Ali Sattarian, Ismael Ghajar (2015). Planning road network in landslide-prone areas: A case study from the northern forests of Iran. *Land Use Policy*, 47: 198-208
- **Abolfazl Jaafari**, Javad Rezaeian, and Masoud Shafipour Omrani (2017). Spatial prediction of slope failure in support of forestry operation safety. *Croatian Journal of Forest Engineering*, 38(1), 107-118.
- **Abolfazl Jaafari**, Davood Mafi-Gholami, Eric K. Zenner (2017). A Bayesian modeling of wildfire probability in the Zagros Mountains, Iran. *Ecological Informatics*, 39, 32-44.
- **Abolfazl Jaafari** (2018). LiDAR-supported prediction of slope failures using an integrated ensemble weights-of-evidence and analytical hierarchy process. *Environmental Earth Sciences*, 77(2):42
- **Abolfazl Jaafari**, Eric K. Zenner, Binh Thai Pham (2018). Wildfire spatial pattern analysis in the Zagros Mountains, Iran: A comparative study of decision tree based classifiers. *Ecological Informatics* 43, 200-211.
- Binh Thai Pham, **Abolfazl Jaafari**, Indra Prakash, Dieu Tien Bui (2018). A novel hybrid intelligent model of support vector machines and the MultiBoost ensemble for landslide susceptibility modeling. *Bulletin of Engineering Geology and the Environment*, 1-22.
- Binh Thai Pham, Indra Prakash, **Abolfazl Jaafari**, Dieu Tien Bui (2018) Spatial prediction of rainfall-induced landslides using aggregating one-dependence estimators classifier. *Journal of the Indian Society of Remote Sensing*, 46(9), 1457-1470.
- Mohammad Hassan Nami, **Abolfazl Jaafari**, Mohammad Fallah, Sirous Nabiuni (2018). Spatial prediction of wildfire probability in the Hyrcanian ecoregion using evidential belief function model and GIS. *International Journal of Environmental Science and Technology*, 15(2), 373-384.
- Wei Chen, Mahdi Panahi, Paraskevas Tsangaratos, Himan Shahabi, Ioanna Ilia, Somayeh Panahi, Shaojun Li, **Abolfazl Jaafari**, Baharin Bin Ahmad (2019). Applying population-based evolutionary algorithms and a neuro-fuzzy system for modeling landslide susceptibility. *Catena*, 172, 212-231.
- **Abolfazl Jaafari**, Mahdi Panahi, Binh Thai Pham, Himan Shahabi, Dieu Tien Bui, Fatemeh Rezaie, Saro Lee (2019). Meta optimization of an adaptive neuro-fuzzy inference system

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- with grey wolf optimizer and biogeography-based optimization algorithms for spatial prediction of landslide. *Catena* 175, 430-445.
- **Abolfazl Jaafari**, Eric K. Zenner, Mahdi Panahi, Himan Shahabi (2019). Hybrid artificial intelligence models based on a neuro-fuzzy system and metaheuristic optimization algorithms for spatial prediction of wildfire probability. *Agricultural and Forest Meteorology* 266, 198-207.
 - Haoyuan Hong, **Abolfazl Jaafari**, Eric K. Zenner (2019). Predicting spatial patterns of wildfire susceptibility in the Huichang County, China: An integrated model to analysis of landscape indicators. *Ecological Indicators* 101, 878-891.
 - Dieu Tien Bui, Phuong Thao Thi Ngo, Tien Dat Pham, **Abolfazl Jaafari**, Nguyen Quang Minh, Pham Viet Hoa, Pijush Samui (2019). A novel hybrid approach based on a swarm intelligence optimized extreme learning machine for flash flood susceptibility mapping. *Catena* 179, 184-196.
 - **Abolfazl Jaafari**, Davood Mafi-Gholami, Binh Thai Pham, Dieu Tien Bui (2019). Wildfire probability mapping: bivariate vs. multivariate statistics. *Remote Sensing* 11 (6), 618.
 - Davood Mafi-Gholami, Eric K. Zenner, **Abolfazl Jaafari**, Raymond D. Ward (2019). Modeling multi-decadal mangrove leaf area index in response to drought along the semi-arid southern coasts of Iran. *Science of the Total Environment* 656, 1326-1336.
 - **Abolfazl Jaafari**, Seyed Vahid Razavi Termeh, Dieu Tien Bui (2019). Genetic and firefly metaheuristic algorithms for an optimized neuro-fuzzy prediction modeling of wildfire probability. *Journal of Environmental Management* 243, 358-369.
 - **Abolfazl Jaafari**, Seyed Vahid Razavi Termeh, Dieu Tien Bui. (2019). Genetic and firefly metaheuristic algorithms for an optimized neuro-fuzzy prediction modeling of wildfire probability. *Journal of Environmental Management* 243, 358-369.
 - Binh Pham Thai, **Abolfazl Jaafari**, Indra Prakash, Sushant K. Singh, Nguyen Kim Quoc, and Dieu Tien Bui. (2019). Hybrid computational intelligence models for groundwater potential mapping. *Catena* 182: 104101.
 - Mahmoud Bayat, Mansour Ghorbanpour, Rozita Zare, **Abolfazl Jaafari**, and Binh Thai Pham. (2019). Application of artificial neural networks for predicting tree survival and mortality in the Hyrcanian forest of Iran. *Computers and Electronics in Agriculture* 164: 104929.
 - Davood Mafi-Gholami, Eric K. Zenner, **Abolfazl Jaafari**, Hamid Reza Riyahi Bakhtyari, and Dieu Tien Bui (2019). Multi-hazards vulnerability assessment of southern coasts of Iran. *Journal of Environmental Management* 252: 109628.
 - Phong Tung Nguyen, Duong Hai Ha, Mohammadtaghi Avand, **Abolfazl Jaafari**, Huu Duy Nguyen, Nadhir Al-Ansari, Tran Van Phong et al. (2020). Soft computing ensemble models based on logistic regression for groundwater potential mapping. *Applied Sciences* 10, 7: 2469.
 - Quoc Cuong Tran, Duc Do Minh, **Abolfazl Jaafari**, Nadhir Al-Ansari, Duc Dao Minh, Duc Tung Van, Duc Anh Nguyen et al. (2020). Novel ensemble landslide predictive models based on the hyperpipes algorithm: a case study in the Nam Dam Commune, Vietnam. *Applied Sciences* 10, 11: 3710.

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- Davood Mafi-Gholami, Eric K. Zenner, and **Abolfazl Jaafari** (2020). Mangrove regional feedback to sea level rise and drought intensity at the end of the 21st century. *Ecological Indicators* 110: 105972.
- Dong Van Dao, **Abolfazl Jaafari**, Mahmoud Bayat, Davood Mafi-Gholami, Chongchong Qi, Hossein Moayedi, Tran Van Phong et al. (2020). A spatially explicit deep learning neural network model for the prediction of landslide susceptibility. *Catena* 188:104451.
- Davood Mafi-Gholami, Eric K. Zenner, **Abolfazl Jaafari**, and Dieu Tien Bui. Spatially explicit predictions of changes in the extent of mangroves of Iran at the end of the 21st century. *Estuarine, Coastal and Shelf Science* 237 (2020): 106644.
- Pham, Binh Thai, **Abolfazl Jaafari**, Mohammadtaghi Avand, Nadhir Al-Ansari, Tran Dinh Du, Hoang Phan Hai Yen, Tran Van Phong et al. (2020). Performance evaluation of machine learning methods for forest fire modeling and prediction. *Symmetry* 12, no. 6: 1022.
- Davood Mafi-Gholami, **Abolfazl Jaafari**, Eric K. Zenner, Akram Nouri Kamari, and Dieu Tien Bui. (2020). Spatial modeling of exposure of mangrove ecosystems to multiple environmental hazards. *Science of the Total Environment* 740: 140167.
- Davood Mafi-Gholami, **Abolfazl Jaafari**, Eric K. Zenner, Akram Nouri Kamari, and Dieu Tien Bui. (2020). Vulnerability of coastal communities to climate change: Thirty- year trend analysis and prospective prediction for the coastal regions of the Persian Gulf and Gulf of Oman. *Science of the Total Environment* 741: 140305.
- Mahdi Panahi, **Abolfazl Jaafari**, Ataollah Shirzadi, Himan Shahabi, Omid Rahmati, Ebrahim Omidvar, Saro Lee, and Dieu Tien Bui (2021). Deep learning neural networks for spatially explicit prediction of flash flood probability. *Geoscience Frontiers* 12, no. 3: 101076.
- Binh Thai Pham, **Abolfazl Jaafari**, Trung Nguyen-Thoi, Tran Van Phong, Huu Duy Nguyen, Neelima Satyam, Md Masroor et al. (2021). Ensemble machine learning models based on Reduced Error Pruning Tree for prediction of rainfall-induced landslides. *International Journal of Digital Earth* 14, no. 5: 575-596.
- Rana Muhammad Adnan, **Abolfazl Jaafari**, Aadhityaa Mohanavelu, Ozgur Kisi, and Ahmed Elbeltagi. (2021). Novel Ensemble Forecasting of Streamflow Using Locally Weighted Learning Algorithm. *Sustainability* 13, no. 11: 5877.
- Fazeli-Varzaneh, Mohsen, Pete Bettinger, Erfan Ghaderi-Azad, Marcin Kozak, Davood Mafi-Gholami, and **Abolfazl Jaafari**. (2021). Forestry Research in the Middle East: A Bibliometric Analysis. *Sustainability* 13, no. 15: 8261.
- Binh Thai Pham, **Abolfazl Jaafari**, Tran Van Phong, Hoang Phan Hai Yen, Tran Thi Tuyen, Vu Van Luong, Huu Duy Nguyen, Hiep Van Le, and Loke Kok Foong. (2021). Improved flood susceptibility mapping using a best first decision tree integrated with ensemble learning techniques. *Geoscience Frontiers* 12, no. 3: 101105.
- Tran Thi Tuyen, **Abolfazl Jaafari**, Hoang Phan Hai Yen, Trung Nguyen-Thoi, Tran Van Phong, Huu Duy Nguyen, Hiep Van Le et al. (2021). Mapping forest fire susceptibility using spatially explicit ensemble models based on the locally weighted learning algorithm. *Ecological Informatics* 63: 101292.
- Saeid Shabani, **Abolfazl Jaafari** and Pete Bettinger. (2021). Spatial modeling of forest stand susceptibility to logging operations. *Environmental Impact Assessment Review* 89: 106601.

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- Binh Thai Pham, **Abolfazl Jaafari**, Tran Van Phong, Davood Mafi-Gholami, Mahdis Amiri, Nguyen Van Tao, Van-Hao Duong, and Indra Prakash. Naïve Bayes ensemble models for groundwater potential mapping. *Ecological Informatics* 64 (2021): 101389.
- **Abolfazl Jaafari**, Iman Pazhouhan, and Pete Bettinger (2021). Machine learning modeling of forest road construction costs. *Forests* 12, no. 9: 1169.
- Saied Pirasteh, Eric K. Zenner, Davood Mafi-Gholami, **Abolfazl Jaafari**, Akram Nouri Kamari, Guoxiang Liu, Qing Zhu, and Jonathan Li (2021). Modeling mangrove responses to multi-decadal climate change and anthropogenic impacts using a long- term time series of satellite imagery. *International Journal of Applied Earth Observation and Geoinformation* 102: 102390.
- Mahmoud Bayat, Pete Bettinger, Sahar Heidari, Seyedeh Kosar Hamidi, and **Abolfazl Jaafari** (2021). "A combination of biotic and abiotic factors and diversity determine productivity in natural deciduous forests." *Forests* 12, no. 11: 1450.
- Davood Mafi-Gholami, Saied Pirasteh, Joanna C. Ellison, and **Abolfazl Jaafari** (2021). Fuzzy-based vulnerability assessment of coupled social-ecological systems to multiple environmental hazards and climate change. *Journal of Environmental Management* 299: 113573.
- **Abolfazl Jaafari**, Mahdi Panahi, Davood Mafi-Gholami, Omid Rahmati, Himan Shahabi, Ataollah Shirzadi, Saro Lee, Dieu Tien Bui, and Biswajeet Pradhan (2022). Swarm intelligence optimization of the group method of data handling using the cuckoo search and whale optimization algorithms to model and predict landslides. *Applied Soft Computing* 116: 108254.
- **Abolfazl Jaafari**, Saeid Janizadeh, Hazem Ghassan Abdo, Davood Mafi-Gholami, and Behzad Adeli (2022). Understanding land degradation induced by gully erosion from the perspective of different geoenvironmental factors. *Journal of Environmental Management* 315: 115181.
- **Abolfazl Jaafari**, Omid Rahmati, Eric K. Zenner, and Davood Mafi-Gholami (2022). Anthropogenic activities amplify wildfire occurrence in the Zagros eco-region of western Iran." *Natural Hazards* 114(1), 457-473.
- Davood Mafi-Gholami, Eric K. Zenner, and **Abolfazl Jaafari** (2022). Mapping recent (1997–2017) and future (2030) county-level social vulnerability to socio-economic conditions and natural hazards throughout Iran. *Journal of Cleaner Production* 355 (2022): 131841.
- Bahareh Ghasemian, Himan Shahabi, Ataollah Shirzadi, Nadhir Al-Ansari, **Abolfazl Jaafari**, Victoria R. Kress, Marten Geertsema, Somayeh Renoud, and Anuar Ahmad (2022). A robust deep-learning model for landslide susceptibility mapping: A case study of Kurdistan Province, Iran. *Sensors* 22, 4: 1573.
- Bahareh Ghasemian, Himan Shahabi, Ataollah Shirzadi, Nadhir Al-Ansari, **Abolfazl Jaafari**, Marten Geertsema, Assefa M. Melesse, Sushant K. Singh, and Anuar Ahmad (2022). Application of a novel hybrid machine learning algorithm in shallow landslide susceptibility mapping in a mountainous area. *Frontiers in Environmental Science* 10.
- Binh Thai Pham, **Abolfazl Jaafari**, Dam Duc Nguyen, Mahmoud Bayat, and Hanh Bich Thi Nguyen (2022). Development of multiclass alternating decision trees based models for

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- landslide susceptibility mapping." *Physics and Chemistry of the Earth, Parts A/B/C*: 103235.
- Omid Jahandar, Ehsan Abdi, and **Abolfazl Jaafari** (2022). Assessment of slope failure susceptibility along road networks in a forested region, northern Iran. *Physics and Chemistry of the Earth, Parts A/B/C* 128: 103272.
 - Saleh Yousefi, **Abolfazl Jaafari**, Aleksandar Valjarević, Christopher Gomez, and Saskia Keesstra. Vulnerability assessment of road networks to landslide hazards in a dry-mountainous region. *Environmental Earth Sciences* 81, 22: 1-17.
 - Rana Muhammad Adnan Ikram, **Abolfazl Jaafari**, Sami Ghordoyee Milan, Ozgur Kisi, Salim Heddami, and Mohammad Zounemat-Kermani (2022). Hybridized adaptive neuro-fuzzy inference system with metaheuristic algorithms for modeling monthly pan evaporation." *Water* 14, 21: 3549.
 - Zahra Kayhomayoon, Sami Ghordoyee-Milan, **Abolfazl Jaafari**, Naser Arya-Azar, Assefa M. Melesse, and Hamid Kardan Moghaddam (2022). How does a combination of numerical modeling, clustering, artificial intelligence, and evolutionary algorithms perform to predict regional groundwater levels?. *Computers and Electronics in Agriculture* 203 (2022): 107482.
 - Saeid Varamesh, Sohrab Mohtaram Anbaran, Bagher Shirmohammadi, Nadir Al-Ansari, Saeid Shabani, and **Abolfazl Jaafari** (2022). How do different land uses/covers contribute to land surface temperature and albedo? *Sustainability* 14, 24: 16963.
 - Xingwen Quan, Miao Jiao, Zhili He, **Abolfazl Jaafari**, Qian Xie, and Xiaoying Lai (2023). Effects of different sampling strategies for unburned label selection in machine learning modelling of wildfire occurrence probability. *International Journal of Wildland Fire* 32(4), 561-575.
 - Tran Xuan Bien, **Abolfazl Jaafari**, Tran Van Phong, Phan Trong Trinh, and Binh Thai Pham (2023). Groundwater potential mapping in the Central Highlands of Vietnam using spatially explicit machine learning." *Earth Science Informatics* 16, 131–146.
 - Slobodan Milanović, Zoran Trailović, Sladjan D. Milanović, Eduard Hochbichler, Thomas Kirisits, Markus Immitzer, Petr Čermák, Radek Pokorný, Libor Jankovský, and **Abolfazl Jaafari** (2023). Country-Level Modeling of Forest Fires in Austria and the Czech Republic: Insights from Open-Source Data. *Sustainability* 15, 6: 5269.
 - Nguyen Le Minh, Pham The Truyen, Tran Van Phong, **Abolfazl Jaafari**, Mahdis Amiri, Nguyen Van Duong, Nguyen Van Bien, Dao Minh Duc, Indra Prakash, and Binh Thai Pham (2023). Ensemble models based on radial basis function network for landslide susceptibility mapping. *Environmental Science and Pollution Research* 30, 99380–99398.
 - **Abolfazl Jaafari** (2023). Mapping high poplar growth areas for bioenergy cultivation: A swarm-optimized approach. *Renewable and Sustainable Energy Reviews* 187, 113748.
 - Esmaeil Valizadeh, Hamed Asadi, **Abolfazl Jaafari**, and Mahya Tafazoli (2023). Machine learning prediction of tree species diversity using forest structure and environmental factors: A case study from the Hyrcanian Forest, Iran. *Environmental Monitoring and Assessment* 195 (11), 1334.
 - Parisa Panahi, **Abolfazl Jaafari**, Mehdi Pourhashemi, and Maryam Hassaninejad (2023). Comparing water requirements of urban landscape plants in an arid environment: An application of the WUCOLS method in the National Botanical Garden of Iran. *Ecological Informatics* 78, 102390

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- **Abolfazl Jaafari**, Davood Mafi-Gholami, and Saleh Yousefi (2024). A spatiotemporal analysis using expert-weighted indicators for assessing social resilience to natural hazards. *Sustainable Cities and Society*, 105051.
 - Bagher Shirmohammadi, Maryam Rostami, Saeid Varamesh, **Abolfazl Jaafari**, and Majid Taie Semiromi (2024). Future climate-driven drought events across the Lake Urmia, Iran. *Environmental Monitoring and Assessment* 196 (1), 24
 - Yahi Takai Eddine, Nadir Marouf, Sabah Sehtal, **Abolfazl Jaafari** (2024). Integrating Support Vector Machines with Different Ensemble Learners for Improving Streamflow Simulation in an Ungauged Watershed. *Water Resources Management* 38 (2): 553-567.
- Bagher Shirmohammadi, Arash Malekian, Saeid Varamesh, **Abolfazl Jaafari**, Javad Abdolahi, Saeed Shahbazikia, Mohammad Mohsenzadeh (2024). How can biomechanical measures incorporate climate change adaptation into disaster risk reduction and ecosystem sustainability? *Natural Hazards*: 1-14.

Memberships and Appointments

Guest Editor of Scientific Journals:

Sustainability

(https://www.mdpi.com/journal/sustainability/special_issues/sust_forest_management_en_vi_hazards_prevention)

Forests

(https://www.mdpi.com/journal/forests/special_issues/PBOX44RI65)

Reviewer of Scientific Journals:

Agricultural and Forest Meteorology, Science of the Total Environment; Catena; Journal of Environmental Management; Environmental Modelling and Software; Environmental Management; Artificial Intelligence Review; Environmental Research; Natural Hazards; Geocarto International; International Journal of Wildland Fires; Journal of Hydrology; Journal of Hydrology: Regional Studies; Earth Science Informatics; Journal for Nature Conservation; SN Applied Sciences; Remote Sensing Applications: Society and Environment; Remote Sensing; ISPRS International Journal of Geo-Information; Journal of Mountain Science; European Journal of Forest Research; Croatian Journal of Forest Engineering; International Journal of Information Technology and Decision Making; International Journal of Disaster Risk Reduction; Forests; Sustainability; Water; Plants; Natural Resources; Ecological Informatics; Geomatics, Natural Hazards and Risk; Geoscience Frontiers; Physics and Chemistry of the Earth, Parts A/B/C; Groundwater for Sustainable Development; Journal of Hazardous Materials; Environmental Impact Assessment Review; Journal of Hazardous Materials; Environmental Development; Applied Water Science; International Journal of Digital Earth; Acta Geophysica; Frontiers of Earth Science; Plants; Frontiers in Forests and Global Change; Journal of Maps; ...

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References

- 1- Eric K. Zenner
Associate Professor of Silviculture at the Penn State University, USA
 - Homepage: <https://ecosystems.psu.edu/directory/ekz3>
 - Email: eric.zenner@psu.edu
 - Office phone: 814-865-4574

- 2- Pete Bettinger
Professor of Landscape Planning and Harvest Scheduling at the University of Georgia, USA
 - Homepage: <https://warnell.uga.edu/directory/people/dr-pete-bettinger>
 - Email: pbettinger@warnell.uga.edu
 - Office phone: 706-542-1187

- 3- Stefano Grigolato
Professor of Forestry and Landscape Planning at the University of Padova, Italy
 - Homepage: <https://www.tesaf.unipd.it/en/stefano-grigolato>
 - Email: stefano.grigolato@unipd.it
 - Office phone: +39 0498272701