

**PUBLIC ACADEMIC CURRICULUM VITAE**

# Mohammadsorouh (Tommy) Tafazzoli, Ph.D.

**LEED AP BD+C | ENV SP**

Assistant Professor | Founder & Director, S.A.F.E. Lab  
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## Academic appointments

**Georgia Southern University | August 2023-present**

Assistant Professor, Department of Civil Engineering & Construction.

**Washington State University | 2017-2023**

Assistant Professor, School of Design & Construction. Promoted to Associate Professor in 2023. Affiliated Faculty, Civil & Environmental Engineering, 2018-2023.

## Education & professional credentials

**Ph.D., Civil Engineering (Construction Management focus)**

University of Nevada, Las Vegas, 2017.

**M.S., Transportation Engineering**

University of Science and Research, Tehran, Iran, 2011.

**B.S., Civil Engineering**

Azad University, Tehran, Iran, 2009.

**LEED AP BD+C**, maintained since 2015. Supplied certificate valid through September 8, 2027.

**ENV SP**, Envision Sustainability Professional, maintained since 2017.

## Research program

**Primary program:** Construction Safety & Human Performance. Worker fatigue, wearable and physiological sensing, smart garments, technology adoption, field intervention, and research-to-practice translation.

**Complementary program:** Sustainability & Resilience in the Built Environment. Sustainable construction, building performance, indoor environmental quality, green infrastructure, water systems, transportation, and energy resilience.

**S.A.F.E. Lab:** Safety, Applied Research, Fatigue, and Ergonomics. Founder and Director. Hexoskin physiological-monitoring and Shimmer wearable-sensing platforms support research and student involvement.

## Funded research

### JSI | \$30,000

Stay Sharp, Stay Safe

**Sole Principal Investigator** | Funded in 2026

### NCHRP 10-148 | \$600,000

Benefits and Barriers of Utility Infrastructure in Transportation Rights-of-Way

**Co-Principal Investigator** | 30-month research program

### GEFA · Georgia Energy Grant Program | \$55,303

Smart Mapping for a Stronger Grid

**Co-Principal Investigator** | Current funded project

### WSDOT / PacTrans | \$44,545

Evaluating Rural Public Transportation Accessibility

**Principal Investigator** | 2019 award · Washington State University

### WSDOT / PacTrans | \$40,000

Optimizing Winter Road Maintenance

**Principal Investigator** | 2020 award · Washington State University

Career research-award total: \$769,848 across five projects, comprising \$114,545 in three PI-led awards and \$655,303 in two collaborative project values. Collaborative figures are total project values, not an individual investigator allocation. The 2018 in-kind faculty residency is excluded.

NCHRP 10-148: approximately 1,374 budgeted faculty hours across 12 tasks, with multiple task-leadership and compendium-development responsibilities. NCHRP is the National Cooperative Highway Research Program. GEFA is the Georgia Environmental Finance Authority.

## Teaching & curriculum development

**Georgia Southern:** Construction Safety; Green Building & Sustainable Construction; Building Codes; graduate Special Problems and research instruction.

**Washington State:** Planning & Scheduling; Earthwork & Equipment; FE Exam Preparation; Delivery Systems; Construction Administration & Documentation. Developed the latter two courses.

**Earlier teaching at UNLV:** Introduction to Engineering, Introduction to Civil Engineering, and Soil Mechanics Lab; teaching-assistant work in Civil Engineering Materials, Senior Design, and Transportation Engineering.

**Teaching evidence, Fall 2023-Summer 2026:** 27 documented Georgia Southern sections; 1,181 course enrollments; approximately 3.66/4.00 mean section evaluation. Enrollments count course registrations; the rating is the unweighted mean of the 27 section averages in the supplied core narrative.

Teaching and Student Success rated Exceeds Expectations in Georgia Southern annual evaluations for 2024 and 2025. Course design emphasizes project thinking, professional judgment, safety, sustainability, recurring assessment, instructional videos, and applied learning.

## Student mentoring & competition coaching

### Graduate and undergraduate research | Georgia Southern

Research design, literature review, analysis, scholarly writing, presentations, and publication. Documented outcomes include graduate coauthorship of journal articles, conference papers, and a book chapter; GS4 symposium participation; and S.A.F.E. Lab involvement.

### ASC competition coaching

Georgia Southern Commercial Team co-coach (2024) and Preconstruction Team coach (2025). Washington State Heavy Civil Team coach, 2018-2023; team earned first place in the 2022 ASC Regions 6 & 7 Student Competition.

### Career and professional mentoring

Career guidance for approximately 25 WSU civil engineering undergraduates, 2018-2023: internships, job search, interviews, resumes, networking, and career decisions. Senior Design mentoring in planning, scheduling, estimating, and project progress.

## Selected professional practice

### **Kiewit | Cle Elum Lake Fish Passage Facility | 2018**

Primary Project Scheduler during the AGC faculty internship; supported competitive-bid development with a 31-member engineering team. Approximate bid value: \$125M.

### **Kiewit / Sound Transit | East Link Extension | 2018**

Project-Team Scheduling Support. Documented project scope: approximately \$53M, not the value of the entire East Link program.

### **Nevada DOT | Carson City Freeway | 2016**

Field Engineer, I-580/U.S. 395 Phase 2. Approximately \$42M project; about 4.9 miles of controlled-access freeway and associated works.

### **Nevada DOT | Cave Rock Tunnel Extension | 2016**

Field Engineer on a safety-focused tunnel-entrance extension, approximately \$6M project value.

Earlier experience: residential-construction field engineering and project administration in Tehran, 2005-2011.

Professional-practice project values are excluded from research-funding totals.

## Service & professional leadership

**Editorial:** Editorial Board Member, Sustainability (2024-present); Guest Editor, Buildings and Architecture (2026-present).

**Recurring peer review:** Developments in the Built Environment; Journal of Soft Computing in Civil Engineering; Journal of Materials in Civil Engineering; Journal of Legal Affairs and Dispute Resolution in Engineering and Construction; International Journal of Construction Education and Research; Construction Research Congress; ASC Annual International Conference; International Conference on Sustainable Infrastructure.

**University and student service:** Faculty and leadership searches; curriculum review; ABET/ACCE accreditation support; student-club advising; recruitment and prospective-student engagement; commencement representation; ASC coaching.

**Professional memberships:** ASCE (2018-present); ASC (2016-present). Earlier affiliations: Engineers Without Borders USA, ASEE, and Sigma Lambda Chi (2017-2023).

## Selected recognition

2026 - Invited CRC Best Paper Award judging.

2023 - Promotion to Associate Professor, Washington State University.

2022 - Faculty coach, first-place WSU Heavy Civil team, ASC Regions 6 & 7.

2017 and 2016 - Public Education Foundation awards.

2016 - Best Paper Award, International Conference on Sustainable Construction Materials and Technologies.

2016 - First place, Graduate Slam preliminary round.

# Publications

20 journal articles, 37 conference papers, and 5 book chapters. The doctoral dissertation is listed separately. Unpublished manuscripts are excluded. Bibliographic details follow the supplied CV, with minor formatting normalization.

## Peer-reviewed journal articles

1. Tafazzoli, M., Haq, I., Naeijian, F., Goodarzi, M., Al-Bayati, A. J., & Kamari, M. (2026). **Fatigue monitoring technologies in construction: How professionals perceive, trust, and prefer subjective, objective, and hybrid approaches.** *Buildings*, 16(11), 2091.  
DOI: 10.3390/buildings16112091
2. Tafazzoli, M., Haq, I., Naeijian, F., Goodarzi, M., & Kamari, M. (2026). **From laboratory prototype to sustainable deployment: Smart garment technologies for construction safety monitoring and a multidimensional readiness framework.** *Sustainability*, 18(16), 8359.  
DOI: 10.3390/su18168359
3. Tafazzoli, M., Haq, I., Naeijian, F., Mousavi, E., & Goodarzi, M. (2026). **Indoor air quality: A comprehensive evidence-gap synthesis, policy failures, and a framework for future action.** *Buildings*, 16(17), 3347.  
DOI: 10.3390/buildings16173347
4. Naeijian, F., Arefinia, A., Zaki, M. T., Orner, K. D., Tafazzoli, M., & Rowles, L. S. (2026). **AI-driven deployable water quality management: Benchmarking effluent BOD prediction at a European pulp and paper mill.** *ACS Engineering Au*, 6(1), 170–184.  
DOI: 10.1021/acsengineeringau.5c00088
5. Tafazzoli, M., Falegari, S., & Shirzadi Javid, A. A. (2026). **Clash categorization and optimization in a federated BIM workflow for integrating temporary shoring systems and permanent structures in high-rise excavations.** *Buildings*, 16(16), 3290.  
DOI: 10.3390/buildings16163290
6. Aghili, S. A., Haji Mohammad Rezaei, A., Tafazzoli, M., Khanzadi, M., & Rahbar, M. (2025). **Artificial intelligence approaches to energy management in HVAC systems: A systematic review.** *Buildings*, 15(7), 1008.  
DOI: 10.3390/buildings15071008
7. Goodarzi, M., Naseri, S., & Tafazzoli, M. (2025). **Beyond the green label: How LEED certification levels shape guest satisfaction in USA hotels.** *Buildings*, 15(12), 2108.  
DOI: 10.3390/buildings15122108
8. Madihi, M. H., Tafazzoli, M., Shirzadi Javid, A. A., & Nasirzadeh, F. (2025). **Probabilistic cash flow analysis considering risk impacts by integrating 5D-building information modeling and Bayesian belief network.** *Buildings*, 15(11), 1774.  
DOI: 10.3390/buildings15111774

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9. Kisi, K. P., Shrestha, K., Tafazzoli, M., Rokooei, S., & Shrestha, K. J. (2025). **STEM education and academic identity: The influence of program titles on construction students' perceptions.** *American Journal of STEM Education*, 10, 81–94.  
DOI: 10.32674/enm6ay26
10. Tafazzoli, M., Hazrati, A., & Namian, M. (2024). **A hierarchical fuzzy expert system for contractor prequalification.** *Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, 16(3), 04024076.  
DOI: 10.1061/JLADAH.LADR-1089
11. Tafazzoli, M., Hazrati, A., Shrestha, K., & Kisi, K. (2024). **Enhancing contractor selection through fuzzy TOPSIS and fuzzy SAW techniques.** *Buildings*, 14(6), 1861.  
DOI: 10.3390/buildings14061861
12. Tafazzoli, M. (2023). **Hydrologic responses to urbanization: Towards a holistic approach for maximizing green roofs' performance in controlling urban precipitations.** *Urban Climate*, 48, 101352.  
DOI: 10.1016/j.uclim.2022.101352
13. Namian, M., Tafazzoli, M., Al-Bayati, A. J., & Kermanshachi, S. (2022). **Are construction managers from Mars and workers from Venus? Exploring differences in construction safety perception of two key field stakeholders.** *International Journal of Environmental Research and Public Health*, 19(10), 6172.  
DOI: 10.3390/ijerph19106172
14. Shrestha, K., Deshar, R., Kisi, K. P., & Tafazzoli, M. (2021). **Data digitization to mitigate legal disputes during reconstruction in earthquake-prone areas.** *Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, 13(2), 05021001.  
DOI: 10.1061/(ASCE)LA.1943-4170.0000455
15. Karji, A., Bernstein, S., Tafazzoli, M., Taghinezhad, A., & Mohammadi, A. (2020). **Evaluation of an interview-based internship class in the construction management curriculum: A case study of the University of Nebraska-Lincoln.** *Education Sciences*, 10(4), 109.  
DOI: 10.3390/educsci10040109
16. Tafazzoli, M., Mousavi, E., & Kermanshachi, S. (2020). **Opportunities and challenges of Green-Lean: An integrated system for sustainable construction.** *Sustainability*, 12(11), 4460.  
DOI: 10.3390/su12114460
17. Mousavi, E. S., Bausman, D., & Tafazzoli, M. (2020). **Renovation in hospitals: Training construction crews to work in health care facilities.** *American Journal of Infection Control*, 48(4), 403–409.  
DOI: 10.1016/j.ajic.2019.08.032
18. Karji, A., Woldesenbet, A., Khanzadi, M., & Tafazzoli, M. (2019). **Assessment of social sustainability indicators in mass housing construction: A case study of Mehr Housing Project.** *Sustainable Cities and Society*, 50, 101697.  
DOI: 10.1016/j.scs.2019.101697
19. Kalantari, S. M., Mortazavi, S. M., & Tafazzoli, M. (2019). **Fuzzy-based approach to predict the performance of shear connectors in composite structures.** *Journal of Soft Computing in Civil Engineering*, 3(4), 1–11.  
DOI: 10.22115/SCCE.2020.215906.1165

20. Paz, A., Copeland, D., Maheshwari, P., Gunawan, K., & Tafazzoli, M. (2015). **The effectiveness of driver education and information programs in the state of Nevada.** Open Journal of Applied Sciences, 5(1), 1–13. DOI: 10.4236/ojapps.2015.51001

## Peer-reviewed conference papers

1. Tafazzoli, M., Goodarzi, M., Kamari, M., & Sadeh, H. (2026). **Challenges of adopting innovative and sustainable construction materials: The industry's perspective.** Construction Research Congress 2026 (pp. 287–296). American Society of Civil Engineers. DOI: 10.1061/9780784487006.029

2. Goodarzi, M. L., Goodarzi, A. N., Tafazzoli, M., Parsaee, M., & Garshasby, M. (2026). **Contextual modifiers of LEED v4 credits: The impact of project type, size, certification date, and climate on predictive power of credit categories.** Construction Research Congress 2026 (pp. 617–626). American Society of Civil Engineers. DOI: 10.1061/9780784487006.061

3. Sadeh, H., Blanchard, J., Tafazzoli, M., & Todorov, D. (2026). **Monte Carlo simulation for risk-based cost and schedule estimation in commercial construction.** Construction Research Congress 2026 (pp. 679–689). American Society of Civil Engineers. DOI: 10.1061/9780784486986.066

4. Olatunbosun, S., Namian, M., Tafazzoli, M., & Akhnoukh, A. (2026). **Silica dust in construction: Uncovering common myths and misconceptions among workers.** Construction Research Congress 2026 (pp. 1131–1141). American Society of Civil Engineers. DOI: 10.1061/9780784486993.111

5. Goodarzi, M., Breakah, T., Tafazzoli, M., Garshasby, M., & Metwally, M. (2026). **Strategic alignment in green building certification: An importance-performance analysis of LEED v4 new construction projects.** Proceedings of Associated Schools of Construction 62nd Annual International Conference (Vol. 7, pp. 475–484). EasyChair. DOI: 10.29007/3mct

6. Kamari, M., Ghafoori, M., & Tafazzoli, M. (2026). **Translating perceptions into action: Vision language and TrueSkill integration for urban livability mapping.** Construction Research Congress 2026 (pp. 827–836). American Society of Civil Engineers. DOI: 10.1061/9780784486962.080

7. Goodarzi, M., Naseri, S., Garshasby, M., & Tafazzoli, M. (2025). **A data-driven study of regional priority credits and their impact on LEED certification in multifamily residential projects.** Proceedings of Associated Schools of Construction 61st Annual International Conference (Vol. 6, pp. 371–380). EasyChair. DOI: 10.29007/rc1b

8. Alswaeer, T. K., Safapour, E., Rouhanizadeh, B., Anderson, M. D., & Tafazzoli, M. (2025). **A study of factors contributing to highway fatalities in the Gulf of Mexico region.** International Conference on Transportation and Development 2025 (pp. 31–42). American Society of Civil Engineers. DOI: 10.1061/9780784486191.004

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9. Tafazzoli, M., Safapour, E., & Goodarzi, M. (2025). **Barriers to effective sustainable development education for civil engineering students.** Proceedings of Associated Schools of Construction 61st Annual International Conference (Vol. 6, pp. 289–299). EasyChair.  
DOI: 10.29007/91jg
10. Tafazzoli, M., Safapour, E., Sadeghvaziri, E., & Haq, I. (2025). **Barriers to implementing smart grids for electrified transportation: A global perspective.** International Conference on Transportation and Development 2025 (pp. 182–194). American Society of Civil Engineers.  
DOI: 10.1061/9780784486207.016
11. Tafazzoli, M., Safapour, E., Sadeghvaziri, E., & Haq, I. (2025). **EV charging infrastructure optimization: Overcoming scalability and grid management challenges.** International Conference on Transportation and Development 2025 (pp. 343–354). American Society of Civil Engineers.  
DOI: 10.1061/9780784486191.030
12. Shrestha, K., & Tafazzoli, M. (2025). **Exploring critical factors and algorithm development for predicting performance condition of highway ditches: A case study of Washington State.** Proceedings of the Canadian Society for Civil Engineering Annual Conference 2024, volume 3: Engineering Management (pp. 95–105). Springer.  
DOI: 10.1007/978-3-031-97697-1\_8
13. Sadeghvaziri, E., Javid, R., & Tafazzoli, M. (2025). **Mapping the accessibility of EV charging stations in the US.** International Conference on Transportation and Development 2025 (pp. 277–285). American Society of Civil Engineers.  
DOI: 10.1061/9780784486207.024
14. Tafazzoli, M., Shrestha, K., & Dang, H. (2024). **Investigating barriers to the application of automation in the construction industry.** Construction Research Congress 2024 (pp. 941–950). American Society of Civil Engineers.  
DOI: 10.1061/9780784485262.096
15. Sadeghvaziri, E., Javid, R., & Tafazzoli, M. (2024). **Smartwatches in transportation: Unleashing innovations and advancements—A comprehensive systematic review.** International Conference on Transportation and Development 2024 (pp. 855–865). American Society of Civil Engineers.  
DOI: 10.1061/9780784485514.075
16. Namian, M., Godwin, D., Tafazzoli, M., & Al-Bayati, A. J. (2024). **The impact of education on fatigue among construction workers: A longitudinal study.** Construction Research Congress 2024 (pp. 875–884). American Society of Civil Engineers.  
DOI: 10.1061/9780784485293.087
17. Dang, H., Serne, J., & Tafazzoli, M. (2024). **Virtual reality safety training assessment in construction management and safety and health management programs.** Computing in Civil Engineering 2023 (pp. 28–35). American Society of Civil Engineers.  
DOI: 10.1061/9780784485231.004
18. Tafazzoli, M., Dang, H., & Shrestha, K. (2023). **Investigating the challenges of maximizing construction automation sustainability.** Proceedings of 59th Annual Associated Schools of Construction International Conference (Vol. 4, pp. 479–487). EasyChair.  
DOI: 10.29007/q8nj

19. Taherpour, F., Namian, M., Garay, D., & Tafazzoli, M. (2023). **Prevalence of fatigue among construction workers in the United States**. Proceedings of 59th Annual Associated Schools of Construction International Conference (Vol. 4, pp. 834–841). EasyChair.  
DOI: 10.29007/l9fj
20. Miller, D., Day, J., Ruiz, S., & Tafazzoli, M. (2023). **Using technology as a learning tool: A literature review of technology and learning outcomes**. Proceedings of 59th Annual Associated Schools of Construction International Conference (Vol. 4, pp. 261–270). EasyChair.  
DOI: 10.29007/4j59
21. Tafazzoli, M., Namian, M., & Al-Bayati, A. (2023). **Workers' fatigue in construction projects, assessment, detection, and mitigation, a review**. Proceedings of 59th Annual Associated Schools of Construction International Conference (Vol. 4, pp. 488–496). EasyChair.  
DOI: 10.29007/rc7t
22. Namian, M., Tafazzoli, M. T., Kermanshachi, S. S., & Huang, Y. (2022). **Do OSHA 10/30-hours training programs revamp the safety attitudes of construction workers? Construction Research Congress 2022** (pp. 679–687). American Society of Civil Engineers.  
DOI: 10.1061/9780784483985.069
23. Patel, R. K., Etmiani-Ghasrodashti, R., Kermanshachi, S., & Tafazzoli, M. (2022). **Exploring disaster preparedness and awareness due to natural hazards using structural equation modelling (SEM)**. Construction Research Congress 2022 (pp. 160–171). American Society of Civil Engineers.  
DOI: 10.1061/9780784483985.017
24. Al-Bayati, A. J., Tafazzoli, M., York, D. D., & Umar, T. (2020). **Cyclical construction workforce shortage: An evaluation of the current shortage in Western North Carolina**. Construction Research Congress 2020 (pp. 643–650). American Society of Civil Engineers.  
DOI: 10.1061/9780784482872.070
25. Nipa, T. J., Kermanshachi, S., Patel, R., & Tafazzoli, M. (2020). **Disaster preparedness education: Construction curriculum requirements to increase students' preparedness in pre- and post-disaster activities**. Associated Schools of Construction proceedings of the 56th Annual International Conference (Vol. 1, pp. 142–151). EasyChair.  
DOI: 10.29007/c9s4
26. Rokooei, S., & Tafazzoli, M. (2020). **Evaluation of the impact of a summer construction camp on participants' perceptions**. In 2020 ASEE Virtual Annual Conference Content Access. ASEE Conferences.  
DOI: 10.18260/1-2--34606
27. Tafazzoli, M., Kermanshachi, S., Shrestha, K., & Kisi, K. (2020). **Investigating the relative importance barriers to sustainable construction related to owners, contractors, and government**. Construction Research Congress 2020 (pp. 341–350). American Society of Civil Engineers.  
DOI: 10.1061/9780784482858.038
28. Tafazzoli, M., Nochian, A., & Shrestha, K. (2019). **Challenges and potentials for technology advancement of bioretention cells in stormwater management**. International Conference on Sustainable Infrastructure 2019 (pp. 9–16). American Society of Civil Engineers.  
DOI: 10.1061/9780784482650.002

29. Tafazzoli, M. (2018). **Accelerating the green movement: Major barriers to sustainable construction.** 54th ASC Annual International Conference proceedings (pp. 314–321). Associated Schools of Construction.  
Publisher / university repository
30. Tafazzoli, M. (2018). **Enhancing the functionality of pervious concrete pavements through design and maintenance.** International Low Impact Development Conference 2018 (pp. 184–192). American Society of Civil Engineers.  
DOI: 10.1061/9780784481783.022
31. Tafazzoli, M. (2018). **Investigating the impacts of green roofs' vegetation properties on their function in controlling urban runoffs.** International Low Impact Development Conference 2018 (pp. 176–183). American Society of Civil Engineers.  
DOI: 10.1061/9780784481783.021
32. Tafazzoli, M. (2017). **Becoming greener in construction: Overcoming challenges and developing strategies.** International Conference on Sustainable Infrastructure 2017 (pp. 1–13). American Society of Civil Engineers.  
DOI: 10.1061/9780784481202.001
33. Tafazzoli, M., & Shrestha, P. P. (2017). **Factor analysis of construction delays in the U.S. construction industry.** In International Conference on Sustainable Infrastructure 2017 (pp. 111–122). American Society of Civil Engineers.  
DOI: 10.1061/9780784481196.011
34. Tafazzoli, M., & Shrestha, P. P. (2017). **Investigating causes of delay in U.S. construction projects.** In 53rd ASC Annual International Conference proceedings (pp. 611–621). Associated Schools of Construction.  
Publisher / university repository
35. Tafazzoli, M. (2017). **Strategizing sustainable infrastructure asset management in developing countries.** International Conference on Sustainable Infrastructure 2017 (pp. 375–387). American Society of Civil Engineers.  
DOI: 10.1061/9780784481202.036
36. Tafazzoli, M. (2016). **A comprehensive approach for making sustainable use of concrete during design and construction.** Sustainable Construction Materials and Technologies, 2016-August. International Committee of the SCMT Conferences.  
DOI: 10.18552/2016/SCMT4S316
37. Tafazzoli, M. (2016). **A method to measure material-use efficiency in construction projects.** In Proceedings of the 52nd Annual International Conference of the Associated Schools of Construction. Associated Schools of Construction.  
Publisher / university repository

## Peer-reviewed book chapters

1. Tafazzoli, M., Naeijian, F., & Naqvi, S. F. N. (2024). **3D printing in highway construction: Opportunities and challenges.** In S. A. Biancardo (Ed.), Recent topics in highway engineering: Up-to-date overview of practical knowledge (pp. 79–101). IntechOpen.  
DOI: 10.5772/intechopen.1005529

2. Tafazzoli, M. (2022). **Construction automation and sustainable development**. In H. Jebelli, M. Habibnezhad, S. Shayesteh, S. Asadi, & S. Lee (Eds.), *Automation and robotics in the architecture, engineering, and construction industry* (pp. 73–95). Springer.  
DOI: 10.1007/978-3-030-77163-8\_4
3. Tafazzoli, M., & Sadoughi, A. (2021). **The nexus of climate change and urbanization**. In D. S.-K. Ting & J. A. Stagner (Eds.), *Climate change science: Causes, effects and solutions for global warming* (pp. 171–193). Elsevier.  
DOI: 10.1016/B978-0-12-823767-0.00009-4
4. Tafazzoli, M. (2020). **Maintaining the Sustainability of Critical Infrastructure**. In *Infrastructure Management and Construction*. IntechOpen.  
DOI: 10.5772/intechopen.85915
5. Tafazzoli, M. (2019). **Incorporating sustainable practices in the asphalt industry**. In H. Zhang (Ed.), *Asphalt and asphalt mixtures*. IntechOpen.  
DOI: 10.5772/intechopen.86702

## Doctoral dissertation

1. Tafazzoli, M. (2017). **Dynamic risk analysis of construction delays using fuzzy-failure mode effects analysis**. University of Nevada, Las Vegas.  
Publisher / university repository

## Professional development & technical tools

Industry immersion: Kiewit AGC faculty internship; Nevada DOT field experience. Grant-development learning: Hanover and NSF workshops (2024). Continuing development through conferences, interdisciplinary collaboration, editorial work, and teaching feedback.

Construction tools: Primavera P6, HeavyBid, Hard Dollar, Microsoft Project, Bluebeam, Procore. Analysis and programming: Excel, MATLAB, SPSS, Python. Design and visualization: AutoCAD, InfraWorks, SketchUp, Adobe Photoshop.

Public CV prepared for the faculty website from the supplied academic records, September 8, 2026. Live citation metrics are available through Google Scholar.