

Nabeel Saleem Saad Al-Bdairi

نبيل سليم سعد برو البديري

Assistant Professor

ACADEMIC TITLES

2022-02-12 **Assistant Professor**

TEACHING EXPERIENCE

Lecturer

University of Wasit

2011-12 - Present

COURSES

- **Asphalt Technology** (CE 4340)
- **Asphalt material lab** (CE 4340)
- **Pavement Design** (CE4341)
- **Academic English**
- **Traffic Engineering** (CE 3332)
- **Geometric Roads Design** (CE 3333)

PUBLICATIONS (29)

1. **A Comparative Analysis of Motorcyclist Injury Severity During Cold and Warm Weather Conditions Amidst the COVID-19 Pandemic**
   Transportation Research Record 2680 (1), 236-256, 2026 | 2026 | Cited: 2
2. **Examining the perceptions and permissions of reusing treated wastewater in a region facing water scarcity**
   Scientific Reports 15 (1), 40562, 2025 | 2025 | Cited: 6
3. **Injury severity of single-vehicle weather-related crashes on two-lane highways**
   Journal of Transportation Safety & Security | 2024 | Cited: 3
4. **Lane number and its impact on commercial motor vehicle crash safety: An econometric perspective**
   International Journal of Transportation Science and Technology 16, 119-133, 2024 | 2024 | Cited: 17
5. **Understanding the Role of the COVID-19 Pandemic on Risky Driving Behavior and Injury Severity of Drivers: Embracing Heterogeneity in Means and Variances**
   International Journal of Transportation Science and Technology, 2024 | 2024 | Cited: 16
6. **Heavy vehicle crashes at unsignalized intersections: embracing unobserved heterogeneity in injury severity analysis**
   International Journal of Civil Engineering 22 (10), 1933-1943, 2024 | 2024 | Cited: 9
7. **Injury severity of drowsy drivers involved in single vehicle crashes: Accounting for temporal instability and unobserved heterogeneity**
   International Journal of Transportation Science and Technology 16, 87-99, 2024 | 2024 | Cited: 4
8. **Exploring senior motorcyclist injury severity crashes: Random parameter model with heterogeneity in mean and variance**
   IATSS Research 47 (1), 1-13, 2023 | 2023 | Cited: 21

CONTACT

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EDUCATION

Doctorate (2019-02-12)
Transportation Engineering
Oregon State University

RESEARCH METRICS

h-index (Scopus)	13
h-index (GS)	15
Citations (Scopus)	894
Citations (GS)	1186
Documents (Scopus)	25
Documents (GS)	29

RESEARCH INTERESTS

- Traffic Safety
- Accident Analysis
- Data Analysis
- Highway Engineering

9. **Assessing the benefits of nature-inspired algorithms for the parameterization of ANN in the prediction of water demand**
Journal of Water Resources Planning and Management 149 (1), 04022075, 2023 | 2023 | Cited: 30

10. **A novel methodology to predict monthly municipal water demand based on weather variables scenario**
Journal of King Saud University-Engineering Sciences 34 (3), 163-169, 2022 | 2022 | Cited: 117

11. **Drought Forecasting: A Review and Assessment of the Hybrid Techniques and Data Pre-Processing**
hydrology 9 (7), 2022 | 2022 | Cited: 106

12. **Applicability of ANN model and CPSOCGSA algorithm for multi-time step ahead river streamflow forecasting**
Hydrology 9 (10), 171, 2022 | 2022 | Cited: 12

13. **Hybrid Technique to Improve the River Water Level Forecasting Using Artificial Neural Network–Based Marine Predators Algorithm**
Advances in Civil Engineering 2022 (1), 6955271, 2022 | 2022 | Cited: 24

14. **Updated Moving Forecasting Model of Air Maximum Temperature**
IOP Conference Series: Earth and Environmental Science 877 (1), 012032, 2021 | 2021 | Cited: 3

15. **Forecasting of Air Maximum Temperature on Monthly Basis Using Singular Spectrum Analysis and Linear Autoregressive Model**
IOP Conference Series: Earth and Environmental Science 877 (1), 012033, 2021 | 2021 | Cited: 2

16. **Prediction and forecasting of maximum weather temperature using a linear autoregressive model**
IOP conference series: earth and environmental science 877 (1), 012031, 2021 | 2021 | Cited: 8

17. **Hot spot analysis of the crash locations at the roundabouts through the application of GIS**
Journal of physics: conference series 1895 (1), 012032, 2021 | 2021 | Cited: 14

18. **Injury Severity Analysis of Drivers of Large Trucks at Unsignilized Intersections**
TRB 100th Annual Meeting, 2021 | 2021

19. **Does time of day matter at highway work zone crashes?**
Journal of safety research 73, 47-56, 2020 | 2020 | Cited: 47

20. **A novel methodology for prediction urban water demand by wavelet denoising and adaptive neuro-fuzzy inference system approach**
Water 12 (6), 1628, 2020 | 2020 | Cited: 145

21. **Comparison of contributing factors for injury severity of large truck drivers in run-off-road crashes on rural and urban roadways: Accounting for unobserved heterogeneity**
International journal of transportation science and technology 9 (2), 116-127, 2020 | 2020 | Cited: 53

22. **Temporal stability of driver injury severities in animal-vehicle collisions: A random parameters with heterogeneity in means (and variances) approach**
Analytic methods in accident research 26, 100120, 2020 | 2020 | Cited: 173

23. **Determinant of injury severities in large truck crashes: A weekly instability analysis**
Safety Science 131, 1-10, 2020 | 2020 | Cited: 151

24. **Assessment of temporal stability in risk factors of crashes at horizontal curves on rural two-lane undivided highway**
Journal of Safety Research, 2020 | 2020 | Cited: 40

25. **Understanding truck parking behavior and choice of commercial motor vehicle operators: Impacts on roadway safety**
2018 | Cited: 4

26. **Modeling Unobserved Heterogeneity and the Injury Severities of Truck Drivers in Run-Off-Road (ROR) Crashes: Econometric Methods and Applications**
2018

27. **Contributing factors to run-off-road crashes involving large trucks under lighted and dark conditions**
Journal of transportation engineering, Part A: Systems 144 (1), 04017066, 2018 | 2018 | Cited: 67

28. **Confounding Factors of Commercial Motor Vehicles in Safety Critical Events**
2018 | Cited: 1

29. **An empirical analysis of run-off-road injury severity crashes involving large trucks**
Accident Analysis & Prevention 102, 93-100, 2017 | 2017 | Cited: 132