

## Special Issue

# Smart Community Resilient Environment to Reduce Emissions from Road Surfaces and Vehicles

### Message from the Guest Editors

This Special Issue will combine research papers from a variety of backgrounds to address the air-quality challenge in the road-vehicle interface and the mechanism to improve the community's resilience. It is unique in its consideration of infrastructure, vehicles and community resilience.

- What is the impact of various emissions on the health of the population depending on the time they spend outside, their activities and their location during the day and night?
- What is the impact of vehicular and road emissions on the indoor environment in both vehicles and buildings?
- What is the impact of road surface and road maintenance operations on air quality?
- What processes and materials could be used as alternatives to those currently used for road construction?
- What is the level of accuracy of the model to be developed to simulate the impact of road traffic at the outdoor threshold?
- How can the control measures be designed so that they do not add to the overall existing air-quality problem?
- Can social media and big data be exploited to identify persons at risk due to poor air quality?

We look forward to receiving your contributions.

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### Guest Editors

Dr. Shohel Amin

Prof. Dr. Bertha Santos

Prof. Dr. Serkan Tapkin

Dr. Rahat Iqbal

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### Deadline for manuscript submissions

closed (31 May 2023)



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### Editor-in-Chief

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