

## SHARMILI BANIK

Research Scholar, Transportation Division

Department of Civil Engineering, IIT Madras, Chennai-600036

Email: [dwsoambassa@gmail.com](mailto:dwsoambassa@gmail.com)

Contact: 7005507018

### RESEARCH INTERESTS

Traffic mobility and congestion analysis and management, Traffic Prediction and Reliability

### EDUCATION

- MS + Ph.D. in Transportation Engineering (2017-Ongoing) – Indian Institute of Technology, Madras, India
- B.Tech in Civil Engineering (2012-2016) – National Institute of Technology, Agartala, India

### RESEARCH / FIELD WORK EXPERIENCE

- Full time research assistant at IIT Madras (2017-Present)
- Congestion Analysis of Chennai City
- Soil and Traffic Investigation at Agartala\_Nagerjala Flyover Site

### PROGRAMMING LANGUAGE AND SOFTWARE SKILLS

- Python (Advanced), R Programming , Javascript (Basic), LaTeX
- Tableau, MS Office

### PUBLICATIONS

- Sharmili Banik, Lelitha Vanajakshi & Darcy M. Bullock (2020) Mapping of bus travel time to traffic stream travel time using econometric modeling, Journal of Intelligent Transportation Systems, <https://doi.org/10.1080/15472450.2020.1846126>
- Sharmili Banik, Darcy M. Bullock & Lelitha Vanajakshi (2020). Corridor Level Mobility Analysis Using GPS Data. *Int. J. ITS Res.* **18**, 204–218. <https://doi.org/10.1007/s13177-019-00192-3>
- Sharmili Banik, Anil Kumar & Lelitha Vanajakshi (2021) Travel Time Reliability, International Encyclopedia of Transportation, Elsevier, 109-121, <https://doi.org/10.1016/B978-0-08-102671-7.10318-5>.