

CURRICULUM VITAE

Dr. Towseef Ahmed Gilani

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Summary

Hello, I am Dr. Towseef Ahmed Gilani, Ph.D. in Transportation Engineering with hands-on experience in research and laboratory. My area of expertise involves “evaluating the impact of traffic noise on populations residing around noise sensitive areas”. I wish to pursue a career in Civil and Transportation Engineering that provides me with an environment that has intellectually stimulating value, merit & professionalism and provides me opportunities for professional and personal growth.

Education

| Degree | University | Year | Percentage |
|--|---|------|------------|
| Doctor of Philosophy <i>Thesis Title: Study on Impact of Traffic Noise Emissions around Noise Sensitive Areas under Heterogeneous Traffic Conditions.</i> | NIT, Srinagar | 2022 | 83.5% |
| Bachelor of Technology (Civil Engineering) | Islamic University of Science & Technology, Awantipora, J&K | 2014 | 82.5% |

Professional Experience

Jammu and Kashmir Projects Construction Corporation Limited
Internship

01-06-2013 to 31-07-2013

Research Interests

- Road Traffic Emissions
- Health impacts due to emissions from various traffic sources
- Use of Statistical Procedures for Estimating Traffic Emissions
- Application of software's in traffic emission measurements
- Traffic Accidents and its monetary impact on society

Publications: Journal Articles

- Towseef Ahmed Gilani, Mohammad Shafi Mir (2021): Modelling Road traffic Noise under heterogeneous traffic conditions using the graph-theoretic approach. *Environ Sci Pollut Res* 28, 36651–36668 (2021). <https://doi.org/10.1007/s11356-021-13328-4>. (SCI & SCOPUS INDEXED)
- Towseef Ahmed Gilani, Mohammad Shafi Mir (2021): Association of road traffic noise exposure and prevalence of coronary artery disease: A cross-sectional study in North India. *Environ Sci Pollut Res* 28, 53458–53477 (2021). <https://doi.org/10.1007/s11356-021-14582>. (SCI & SCOPUS INDEXED)
- Towseef Ahmed Gilani, Mohammad Shafi Mir (2021): A study on the assessment of traffic noise induced annoyance and awareness levels about the potential health effects among residents living around a noise-sensitive area. *Environ Sci Pollut Res* 28, 63045–63064 (2021). <https://doi.org/10.1007/s11356-021-15208-3>. (SCI & SCOPUS INDEXED)
- Towseef Ahmed Gilani, Mohammad Shafi Mir (2021): A study on road traffic noise exposure and prevalence of insomnia. *Environ Sci Pollut Res* 29, 41065–41080 (2022). <https://doi.org/10.1007/s11356-021-18291-8>. (SCI & SCOPUS INDEXED)
- Towseef Ahmed Gilani, Mohammad Shafi Mir, and Mohmmad Idrees Gilani (2023): A study on the impact of road traffic noise exposure on work efficiency of housewives. *Environ Sci Pollut Res*. <https://doi.org/10.1007/s11356-023-26507-2>. (SCI & SCOPUS INDEXED)
- Faheem Sadiq Bhat, **Towseef Ahmed Gilani**, Ishfaq Mohi Ud Din, Gowhar Aziz, Mohammad Shafi Mir, Asif H Shah, Ishfaq Rashid Sheikh, Peerzada Mudasar: Integration of nano Al₂O₃ and

nano SiO₂ in asphalt mixes: A comprehensive performance and durability evaluation, Construction and Building Materials, Volume 412, 2024, 134687, ISSN 0950-0618, <https://doi.org/10.1016/j.conbuildmat.2023.134687>.

- Towseef Ahmed Gilani, Mohammad Shafi Mir, and Mohmmad Idrees Gilani (2024). Road Traffic Noise in Developing Countries: An Epidemiological Focus on India. In: Garg, N., Gautam, C., Rab, S., Wan, M., Agarwal, R., Yadav, S. (eds) Handbook of Vibroacoustic, Noise and Harshness. Springer, Singapore. https://doi.org/10.1007/978-981-99-4638-9_9-1

Training/Workshop/Seminar

- Participated in Short Term Course on the title “Sustainable Urban Transport: Design of Road Infrastructure and Facilities”, organized by Indian Institute of Technology, Kharagpur, West Bengal from 15 Feb, 2019 to 17 Feb, 2019.
- Participated in the Training Course on Traffic Systems Modelling and Simulation organized by the Centre for infrastructure, Sustainable Transportation and Urban Planning (CiSTUP), Indian Institute of Science (IISc), Bangalore from 21st June, 2018 to 22nd June, 2018.

Peer Review Work for Journals

2021 Environmental Science & Pollution
Research2021 Human ecology
2022 Scientific Reports

Work Experience

Teaching

At National Institute of Technology Srinagar

- Highway Engineering and PMS (UG Course)
- Pavement Analysis & Design (PG Course)
- Geometric Design of Highways and Streets (PG Course)
- Traffic Engineering Laboratory (UG Course)

Projects Undertaken

- Traffic Volume Study at Kachkoot Tool Plaza located along National Highway - 44
- Preparation and Evaluation of DPR's for State agencies, which includes conducting trafficsurveys, geometric design, and pavement design of highways.

Other Activities

- Setting up of Traffic Engineering Laboratory at National Institute of Technology Srinagar

Projects Guided

- Modelling air quality under heterogeneous traffic conditions of Srinagar city (2022) (Post-Graduate Project at National Institute of Technology, Srinagar).
- Factors affecting the travel mode selection among residents of Srinagar city (2022) (Under graduate project at National Institute of Technology, Srinagar).

Skills and Techniques

- IBM SPSS Statistical Software
- OSCADY Software
- Origin Pro Software for Statistical Analysis and Graphing
- Excel
- TRANSYT TRL Software
- SOUNDPLAN PROFESSIONAL Noise modelling software
- DYNAMIQ Software
- EMME Software
- Review Manager for performing Meta-Analysis
- JAMOVI software

Personal Details

Date of Birth: October 10th,1990

Fathers Name: Mr. Ghulam Mohammad Gilani

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TOWSEEF AHMED GILANI

References

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2. **Dr. Abdullah Ahmad**
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