

CURRICULUM VITAE

Dr. Peerzada Mosir Shah

Ph.D in Transportation Engineering and Planning (TE&P)
Department of Civil Engineering
National Institute of Technology (NIT), Srinagar
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Summary

Hello, I am Peerzada Mosir Shah, Ph.D in transportation engineering with hands-on experience in research and laboratory. My area of expertise is the rheological and performance evaluation of modified asphalt binders and mixes.

I wish to pursue a career in Civil and Transportation Engineering that provides me an environment that has intellectually stimulating value, merit & professionalism and provides me opportunities for professional and personal growth.

Education

Degree/ Certificate	Institution	Year	CGPA/Percentage
Doctors of Philosophy (Pavement Engineering)	National Institute of Technology, Srinagar	2022	85%
Master of Technology (Transportation Engineering)	Lovely Professional University	2016	82%
Bachelors of Engineering (Civil)	Lovely Professional University	2015	70.11%
Intermediate	JK Bose	2010	82%
SSC	JK Bose	2008	78%

Professional Experience

Position	Organization	Year
Trainee	Simplex Infrastructure	01-06-2014 to 31-07-2014 (2months)
Assistant Professor	Lovely Professional University	01-06-2016 to 01-02-2017 (8 months)

Publications: Journal Articles

- **Peerzada Mosir Shah**, Mohammad Shafi Mir (2019) Application of Nano-Technology in Pavement Engineering- A review “Canadian Journal of Civil Engineering”. <https://doi.org/10.1139/cjce-2019-0395>. (Indexed in SCI and SCOPUS).
- **Peerzada Mosir Shah**, Mohammad Shafi Mir (2020) Effect of Kaolinite clay/SBS on the rheological performance of asphalt binder. “Innovative Infrastructure Solutions”. Vol 5. Article-No. 21. <https://doi.org/10.1007/s41062-020-0270-8>. (Indexed in ESCI and SCOPUS).
- **Peerzada Mosir Shah**, Mohammad Shafi Mir (2020) Performance of OMMT/SBS on the rheological properties of asphalt binder. “Korea-Australia Rheology Journal” 32, 235-242 (2020). <https://doi.org/10.1007/s13367-020-0022-5> (Indexed in SCI and SCOPUS).
- **Peerzada Mosir Shah**, Mohammad Shafi Mir (2021) Investigating the influence of carbon-Nanotube on the performance of asphalt binder. “Progress in Rubber Plastics and Recycling Technology”. <https://doi.org/10.1177/14777606211019413> (Indexed in SCI and SCOPUS).
- Suzeena Iftikhar, **Peerzada Mosir Shah**, Mohammad Shafi Mir (2022) Potential Application of various nanomaterials on the performance of asphalt binders and mixes: A comprehensive Review. “International Journal pavement research and technology”. <https://doi.org/10.1007/s42947-022-00207-5> (Indexed in SCOPUS)

- **Peerzada Mosir Shah**, Niharika Gupta (2016) Analysis of Speed Parameters of Mixed Traffic Flow on the Sections of Arterial Streets (Jalandhar and Chandigarh Cities). “Indian Journal of Science and Technology”. <https://doi.org/10.17485/ijst/2016/v9i47/105273>

Conference Papers

- Analysis of Speed Parameters of Mixed Traffic Flow on the Sections of Arterial Streets (Jalandhar and Chandigarh Cities) at the national conference on technical advancements in civil engineering organized by civil engineering, lovely professional university, Punjab

Courses Taught

Subject	Position	Level
Pavement Analysis and Design	Assistant Professor, LPU	Post Graduate Students
Pavement Laboratory	Assistant Professor, LPU	Post Graduate Students
Traffic Engineering	Assistant Professor, LPU	Post Graduate Students
Pavement Materials	Assistant Professor, LPU	Post Graduate Students
Pavement Laboratory	Teaching Assistant NIT Srinagar	Post Graduate Students
Pavement Laboratory	Teaching Assistant NIT Srinagar	Under Graduate Students

Awards

Year	Fellowship Description	Type
2012	Scholarship of Rs 80,000/- per annum from Lovely Professional University in engineering course	Fellowship

2017 Ministry of Human Resources and Development (MHRD) Fellowship
Fellowship During PhD

Projects Undertaken

- Preparation and Evaluation of DPR's for state agencies, which includes conducting traffic surveys, geometric design and pavement design of highways
- Safety Audit for National Highway-44

Students Guided

- Investigating the use of Graphene/SEBS on the rheological performance of asphalt binder (Post-Graduate Project at National Institute of Technology Srinagar)
- Use of Crumb Rubber to enhance the properties of asphalt binders/mixes (Post-Graduate Project at National Institute of Technology Srinagar)
- Study on rheological and ageing properties of EVA modified asphalt binder (Post-Graduate Project at National Institute of Technology Srinagar)
- Influence of various types of polymers on the properties of asphalt binder/mixes (Post-Graduate Project at National Institute of Technology Srinagar)

Skills and Techniques

- Dynamic Shear Rheometer to understand rheological behaviour of aged as well as unaged asphalt binder.
- Brookfield Viscometer to understand viscosity behaviour of asphalt binder
- Four Point Bending Beam apparatus to analyse the fatigue behaviour of asphalt mixture.
- Asphalt Mixture performance Tester (AMPT) apparatus to understand the dynamic modulus behaviour of asphalt mixture.
- Extensive knowledge of all Microsoft Office Programs.
- Fair knowledge of AUTOCAD, SPSS, Origin

Personal Details

Date of Birth: February 09th, 1993

Fathers Name: Mr. Peerzada Abdul Rasheed Shah

Contact Number: +918825081709

MOSIR

Peerzada Mosir Shah

References

1. Prof. Mohammad Shafi Mir

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