



## Sumi Siddiqua

Associate Professor

School of Engineering, UBC Okanagan

Phone: 250-807-9863

Email: [Sumi.Siddiqua@ubc.ca](mailto:Sumi.Siddiqua@ubc.ca)

<http://engineering.ok.ubc.ca/faculty/sumisiddiqua.html>

### Research Theme

Building and Construction Materials and Manufacturing (BCMM)

### Research Areas

- Climatic effects on ground
- Road pavements and subgrades
- Chemical Stabilization Techniques for soils
- Expansive, Collapsible and Organic Soil
- Nuclear waste repository
- Soil nanoparticles
- Remediation method for Contaminated soil
- GIS based seismic hazard maps
- Value added products from industrial waste

### Research Facilities/Tools

- Unsaturated triaxial testing of soils
- Triaxial automated system
- Direct shear testing
- Automatic oedometer
- Laser transducers
- Soil-Water Characteristic Cell
- Relative humidity sensors
- Ball mill pulverizer
- UCS and index testing tools

