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RESEARCH INTEREST:

- ❖ **Material and Structures**
- ❖ **Lightweight concrete**
- ❖ **Fibre Reinforced Concrete**
- ❖ **Ferrocement**
- ❖ **Solid Waste Management**
- ❖ **Removal of Metals from Industrial Wastewater**
- ❖ **Ground water contamination,**
- ❖ **Water Quality Analysis and Modeling,**
- ❖ **Design of Aerobic and Anaerobic Reactor and its process**
- ❖ **Water and Wastewater Treatment and Analysis**
- ❖ **Environmental monitoring and remediation**



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RESEARCH INTEREST:

- ❖ **Finite Element Analysis**
- ❖ **Fibre Reinforced Concrete**
- ❖ **Ultra High Performance Concrete**
- ❖ **Steel Structures**



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RESEARCH INTEREST:

- ❖ **Material and Structures**
- ❖ **Light Gauge Steel Structures**
- ❖ **Lightweight concrete**
- ❖ **Fibre Reinforced Concrete**
- ❖ **High strength concrete**
- ❖ **Self-Compacting Concrete**
- ❖ **Ferrocement**
- ❖ **Ultra High Performance Concrete**
- ❖ **Non Structural Elements**
- ❖ **Steel-Concrete Composite Structures**



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RESEARCH INTEREST:

- ❖ **Light Gauge Steel Structures**
- ❖ **Finite Element Analysis**
- ❖ **Lightweight concrete**
- ❖ **Fibre Reinforced Concrete**
- ❖ **High strength concrete**
- ❖ **Self-Compacting Concrete**
- ❖ **Ferrocement**
- ❖ **Ultra High Performance Concrete**
- ❖ **Bacterial Concrete**

- ❖ **Ultra High Performance Concrete**
- ❖ **Steel Structures**



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RESEARCH INTEREST:

- **Mass Housing Technology.**
- **Development Of Pre- engineering light weight building Components/Systems.**
- **Low Cost Housing Construction using Quick build Panels for cyclone and Earthquake.**
- **Reliability Analysis**
- **Reinforced Concrete Design**
- **Design of Steel Structures.**



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RESEARCH INTEREST:

- ❖ **Material and Structures**
- ❖ **Lightweight concrete**
- ❖ **Fibre Reinforced Concrete**
- ❖ **Ferrocement**
- ❖ **Self Compacting Concrete**
- ❖ **Self Healing Concrete**
- ❖ **High Strength and High Performance Concrete**
- ❖ **Steel Concrete Composite Structure**
- ❖ **Water and Wastewater Treatment and Analysis**



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Areas of Research

- **Site Investigation and Soil Exploration** - Soil testing, bore log report, determination of bearing capacity and strength parameters.
- **Design of Sub-structures** - Footing, Raft, Pile foundation, Pier and Abutment.
- **Soil Stabilization / Ground improvement** - Mechanical stabilization, Chemical stabilization and Hydrological techniques.
- **Slope Stability** - Analysis of slope and stabilization techniques.
- **Design of Earth Retention Structures** - Retaining walls, Sheet piles and Diaphragm walls.



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RESEARCH INTEREST:

- **Construction Engineering and management**
- **Construction materials**
- **Energy-Water-Environment Sustainability**
- **Hydraulic Engineering**
- **Fibre Reinforced Earth Blocks**