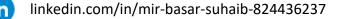
Mir Basar Suhaib



mirbasar_04phd17@nitsri.ac.in

+91 9419019441



0000-0002-9672-6724

Scopus^{*} 57739701300

Srinagar, Jammu and Kashmir, India



Education

Ph.D. Structural Engineering: March 2023 (Awarded)

National Institute of Technology Srinagar, Jammu and Kashmir, India

Project- "Effect of Fiber Reinforced Polymers on the Behaviour of Cold-formed Steel Beams".

• M. Tech. Structural Engineering: September 2016, CGPA- 6.53.

M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka India.

Group Project- "An Experimental Set-up to Perform Dynamic Analysis of One and Two Span Beams"

Project- "Design of Truss Arch Bridge and Development of an Equivalent Spring Support Model for Simplified Free Vibration Analysis".

• B. Tech. Civil Engineering: May 2013, CGPA- 7.98

Dr MGR Educational and Research Institute, Chennai, Tamil Nadu, India.

Project- "Strength Characteristics of Concrete Using Combinations of Lateritic Stones as Coarse Aggregate and Quarry Sand as Fine Aggregate".

• Higher Secondary Education in PCMB (Class 12): December 2008, with 77.73%.

Burn Hall School, affiliated to Jammu and Kashmir Board of School Education

• Secondary Education (Class 10): December 2006, with 84.80%.

Burn Hall School, affiliated to Jammu and Kashmir Board of School Education

Industry Experience

• Internship at LD Hospital under Jammu and Kashmir Projects Construction Corporation (JKPCC) Ltd. Srinagar during the construction of the six-storey extension building in June 2011.

- Internship at Namma Metro Majestic Interchange Station (involving the work of Tunnel Boring Machine and Secant Pile Driving) under **Bengaluru Metro Rail Corporation Limited** in November 2014.
- Internship at the project "Construction of Expressway/ Corridor (flyover) from Jehangir Chowk to Rambagh Natipora Srinagar" in Sept-Oct 2015 under Jammu and Kashmir Economic Reconstruction Agency (JKERA).
- First hand training of prestressing RCC bridge girders in the prestressing plant at Kralpora, Budgam under Jammu and Kashmir Economic Reconstruction Agency (JKERA) in October 2015.
- Part of the Quality Control Team sent by NIT Srinagar to inspect the integrity of pile foundation using Pile Integrity Tester (Eco Test) at the construction site **in JVC Hospital, Bemina, Srinagar** in June 2019.
- Provided the structural design of Intake Tank, Saddle Blocks and Retaining Wall of the Project titled "Supplying, Laying, Jointing, Commissioning Including Operation and Maintenance of 1200 mm K9 DI Raw Water Pipe from Forebay of OGPH TO 30 MGD Water Treatment Plant at Rangil, Ganderbal, Jammu and Kashmir" in April 2021.
- Design Engineer at *Sturdy Constructions Private Limited* from August 2022 to March 2023.

Teaching Experience

Courses taught at the UG and PG level-

- 1. Design of Steel Structures
- 2. Design of RCC Structures
- 3. Structural Lab-1
- 4. Advanced RCC Design
- 5. Advanced Steel Design
- 6. Dynamics Lab

Research

1. RESEARCH FOCUS

Steel Structures, Cold-formed steel structures, Built-up beams, Buckling Analysis, Non-linear Analysis, Fiber composites, Glass-fiber Reinforced Polymers (GFRP), pultruded GFRP structural members, Adhesion science, Structural retrofitting and rehabilitation.

2. PUBLICATIONS

- Suhaib, M.B., Tantray, M.A. "Flexural Integrity Between the Individual Channels of Built-Up Cold-Formed Steel Beams". Int J Steel Struct (2023). https://doi.org/10.1007/s13296-023-00708-4
- Suhaib, M.B., Tantray, M.A. "Behaviour of GFRP Stiffened Cold-Formed Steel Built-up Beams". Int J Steel Struct (2022). https://doi.org/10.1007/s13296-022-00621-2
- Suhaib, M.B., Tantray, M.A. "Behaviour of cold-formed steel tensile members strengthened with GFRP using different techniques". Innov. Infrastruct. Solut. 7, 253 (2022). https://doi.org/10.1007/s41062-022-00851-7.

3. SUBMITTED MANUSCRIPTS

- *"GFRP strengthened lipped channel sections subjected to web crippling"* communicated to Structures, Elsevier, Impact Factor- 4.010
- *"Application of Strengthening by Stiffening Approach to Inhibit Local Buckling in Cold-Formed Steel Built-up Channel Beams"* communicated to Structures, Elsevier, Impact Factor-4.010

4. **REVIEWED MANUSCRIPTS**

• Actively reviewed 5 scientific manuscripts from international journals such as Archives of Civil and Mechanical Engineering, Innovative Infrastructure Solutions and Electronic Journal of Civil Engineering.

Certificates and Recognitions

- Computer Science Programme for Microsoft Office in 2005.
- Diploma in AutoCAD from CADD Centre in 2014.
- Attended a Short-Term Course on "Advances in Structural Engineering and Materials" organized by Department of Civil Engineering and sponsored by TEQIP-III, National Institute of Technology Srinagar in February 2021.
- Expert speaker at a Short-Term Course on "Latest Advances in the Field of Civil Engineering" organized by Department of Civil Engineering National Institute of Technology Srinagar in February 2021.
- Expert speaker at a Short-Term Course on "Catastrophe and Civil Engineering Solutions" organized by Department of Civil Engineering National Institute of Technology Srinagar in June 2022.

Technical Skills

- Abaqus CAE
- ANSYS
- AutoCAD

- MATLAB
- Microsoft Office
- STAAD Pro

References

- Dr. Manzoor Ahmad Tantray, Professor, Department of Civil Engineering, National Institute of Technology Srinagar, Srinagar, India.
 Email- <u>matantray@nitsri.ac.in</u> Phone- 9419428095
- Dr. G. A. Harmain, Professor, Department of Mechanical Engineering, National Institute of Technology Srinagar, Srinagar, India.
 Email- gharmain@nitsri.ac.in Phone- 9419018804
- Dr. Nayana S. Patil, Professor and Head, Department of Civil Engineering, M. S. Ramaiah University of Applied Sciences, Bengaluru, Karnataka India. Email- nayanapatil.ce.et@msruas.ac.in