J Vijaya Vengadesh Kumar
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Department of Civil Engineering
National Institute of Technology Karnataka
Surathkal, Mangalore
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Research Interest

- Industrial Storage Racks, Design of Steel, Stainless Steel and Aluminium Structures, Cold-formed Steel Design, Connections, Buckling Behaviour of Thin-walled Sections, Torsion analysis, Structural Dynamics and Optimization, Bridge Behaviour, Structural Health Monitoring.

Education

- PhD. (Structural Engineering, 2011 – 2016)
  Indian Institute of Technology Madras, Chennai, India
- M.Tech. (Structural Engineering, 2007 – 2009)
  National Institute of Technology Tiruchirappalli, Trichy, India
- B.E. (Civil Engineering, 2003 – 2007)
  V.L.B. Janakiammal College of Engineering Technology, Coimbatore, India
  Affiliated to Anna University, Chennai

Professional Experience

- Assistant Professor (Since September 2019)
  National Institute of Technology Karnataka, Surathkal, India.
- Post-Doctoral Fellow (Projects) (June 2018 – September 2019)
  Indian Institute of Technology Madras, Chennai, India.
- Research Fellow (August 2017 – June 2018)
  School of Civil and Environmental Engineering, Nanyang Technological University Singapore, Singapore.
- Project Associate (May 2016 – November 2016)
  Indian Institute of Technology Madras, Chennai, India.
- Engineering Consultant (Bridge Design) (July 2009 – May 2010)
  L&T Ramboll Consulting Engineers Ltd., Chennai.

Publications

Refereed Journals

1) **VijayaVengadesh Kumar, J., and Arul Jayachandran, S.** (2016). Experimental investigation and evaluation of Direct Strength Method on beam-column behavior of uprights. Thin - Walled Structures, 102, 165–179.
2) **Yating Liang, Vijaya Vengadesh Kumar Jeyapragasam, Lulu Zhang and Ou Zhao** (2019) Flexural-torsional buckling behaviour of fixed-ended hot-rolled austenitic stainless steel equal-leg angle columns, 154, 43-54

International Conferences

1) **Vijaya Vengadesh Kumar, J., and Arul Jayachandran, S.** (2013). Direct Strength Method of Design for Concentrically Loaded Perforated Rack Columns. The 10th Pacific Structural Steel Conference, R. J. Y. Liew and S. C. Lee, eds., Research Publishing, Singapore, 212–217. (Presented).

National Conferences

1) **Harisanth K S, VijayaVengadesh Kumar J and Arul Jayachandran S,** Cross-section behavior of mono-Symmetric rack section, Structural Engineering Convention, Department of Civil Engineering, Jadavpur University, Kolkata, 19-21 Dec, 2018. (Presented).