KATTA VENKATARAMANA - CURRICULUM VITAE

PERSONAL DETAILS

Name	:	Katta Venkataramana
Designation	**:**	**Professor (HAG)**
Qualification	:	**Doctor of Engineering**
Specialization	:	Civil & Structural Engineering (Structural Dynamics, Earthquake Engineering, Offshore Structures, Disaster Risk Mitigation)
Address	**:**	Department of Civil Engineering National Institute of Technology Karnataka (NITK) Surathkal, Srinivasnagar, Mangalore 575 025, INDIA Tel: (0824) – 2473337, 2473041(office); 09448475875 (cell) Email: katta@nitk.edu.in, ven.nitk@gmail.com

EDUCATION

1986-89	Dr.Eng.	Civil Engineering	Kyoto University, Japan
1984-86	M.Eng.	Ocean Civil Engineering	Kagoshima University, Japan
1976-81	B.Eng.	Civil Engineering	University of Mysore, India

POSITIONS HELD

10/2018– present	**Professor (HAG)**, Department of Civil Engineering, **National Institute of Technology Karnataka**, Surathkal, India
09/2002– 09/2018	**Professor**, Department of Civil Engineering, **National Institute of Technology Karnataka**, Surathkal, India
04/2010 – 03/2011	**Visiting Professor**, Center for Globalization, **Kumamoto University**, Kumamoto City, Japan
01/1995 – 08/2002	**Associate Professor**, Department of Ocean Civil Engineering, **Kagoshima University**, Kagoshima City, Japan
11/1991 - 12/1994	**Assistant Professor**, Department of Ocean Civil Engineering, **Kagoshima University**, Kagoshima City, Japan
10/1990 - 10/1991	**Postdoctoral Research Fellow**, Department of Engineering Science, **University of Oxford**, **Oxford,** UK
06/1989 - 06/1990	**Research Engineer**, Hazaki Research Laboratory, **Sumitomo Metal Industries**, Hazaki, Japan
10/1981 - 06/1982	**Lecturer**, Department of Civil Engineering, **Manipal Institute of Technology**, Manipal, India

ADMINISTRATIVE POSITIONS HELD AT NITK

10/2014 – 09/2017	**Dean (Academic)**
10/2014 – 09/2017	**Chairperson – Board of Studies (UG, PG, Research)**
04/2013 – 09/2014	**Head of the Department - Dept of Civil Engineering**
10/2012 – 04/2013	**Chief Vigilance Officer**
09/2009 – 03/2010	**Head of the Department - Dept of Civil Engineering**
10/2008 – 01/2010	**Coordinator – Centre for Disaster Risk Reduction**
01/2004 – 08/2009	**Chairperson - NITK Health Care Committee**
03/2004 – 08/2007	**Associate Dean (PG & Research)**
03/2004 – 08/2007	**Convener - BOS (PG) & BOS (Research)**
09/2005 – 04/2007	**Chairperson - Estate & Works Committee**

ACTIVITIES AS MEMBER OF PROFESSIONAL SOCIETIES / EXPERT COMMITTEES

11/2018 – 10/2021	Chairman, The Institution of Engineers (India), Mangalore Local Centre
06/2009 – Present	Member, Governing Body, DK Nirmithi Kendra, Surathkal, Karnataka
04/2013 – 09/2014	Member, Building Committee, Mangalore University, Karnataka
01/2006 – 12/2006	Chairperson, Technical Committee, Formed by the Deputy Commissioner, Dakshina Kannada District, for revising the Building Byelaws and Zoning Regulations for Mangalore City.
02/2002	Member, Advisory Committee, Asia-Oceania Symposium on information technology and strategy for earthquake disaster reduction, *Organized by National Research Institute of Fire and Disasters, Japan*
03/2001	Member, Expert Committee sent to Gujarat (India) for the Bhuj earthquake damage survey, *Ministry of Education, Japanese Government*
05/2000 – 09/2002	Member, Expert committee for formulating guidelines for the design and construction of floating bridges in Japan, *Japan Society of Civil Engineers*
06/1995 - 06/1997	Member, Technical Program Committee, *International Society of Offshore and Polar Engineers*
04/1995 - 03/1996	Member, Expert committee on structural cable behaviour, *Kyushu Association for Bridge and Structural Engineering, Japan*

INVITED AS EXPERT by external agencies/organizations

1) Examiner for master's/PhD Thesis evaluation – IIT Madras, IIT Bombay, IIIT Hyderabad, SVNIT Surat, NIT Warangal, NIT Calicut, NIT Silchar, NIT Agartala, VIT Chennai, Anna University, Annamalai University, Kuvempu University, JNTU, VTU, Bangalore Univ., Manipal Univ., Kalasalingam University, Satyabhama University, Kerala University, Pondicherry University, SRM Institute of Science & Technology, Gujarat Technological University, DBATU Maharasthra, Karunya University.

2) Reviewer for NPTEL Video Courses (2013 onwards)

3) Evaluator for Student Projects submitted to Karnataka State Council for Science & Technology (2013)

4) Evaluator of project proposals submitted to Kerala State Council for Science, Technology and Environment (2011 onwards)

5) Evaluator of project proposals submitted to Department of Science & Technology, Govt of India (2013 onwards).

6) Member of Board of Studies - Bangalore University (2007-09), Karunya University (2011-12), MSRIT (2013-15)

7) External Expert for the Faculty Selection/Promotion Committee at Manipal University (2008 onwards)

8) Adjunct Professor, Amrita Vishwa Vidyapeetham, Coimbatore (January 2015 onwards)

9) Member of Research Guidance Committee, Cochin University of Science & Technology (2018 onwards)

10) Member of Department Advisory Board (DAB), Dept. of Civil Engineering, V.P. Dr P.G. Halakatti College of Engineering & Technology, Vijayapur, Karnataka (March 2020 onwards)

11) Member of BOS, Dept. of Civil Engineering, Vidhyavardhaka College of Engineering, Mysore (July 2020 onwards)

12) Member of Academic Council, Sanjay Ghodawat University, Kolhapur (June 2021 onwards)

13) Member of BOS (VTU Nominee), Dept of Civil Engineering, SJEC Mangalore (Dec 2021-Dec 2024)

14) Member of Internal Quality Assurance Cell (VTU Nominee), SIT Tumkur (April 2022- March 2025)

15) Visitor's Nominee for faculty selection panel at NITs and IIEST Shibpur (Jan 2023-Dec 2025)

CONFERENCES/WORKSHOPS / SHORT TERM COURSES

Conferences/Workshops/Short term courses Organized:

1) Coordinator for the workshop on *"Earthquake resistant design and retrofitting of RC structures"* held at NITK, Surathkal, Institute during January 21-22, 2004
2) Coordinator for the workshop on "*Curriculum for postgraduate education in NITK*" held at NITK, Surathkal during Feb 18-19, Feb 24-25, March 12, March 17-18, 2005.
3) Co-coordinator for the National Workshop on "*R&D Activities in National Institutes of Technology : Review & Planning*", January 20-21, 2006.
4) Coordinator for the *Training & Capacity Building Programme for Engineers & Architects on Earthquake Engineering* (6 Modules), sponsored by the DC's Office, Dakshina Kannada District during October 2005 to September 2006.
5) Coordinator for the workshop on *"Coastal Erosion Control Measures for West Coast Region of India"* held at NITK, Surathkal, on March 7, 2006

6) Coordinator for the workshop on *"Earthquake resistant design and retrofitting of RC structures"* held at NITK, Surathkal, during October 9-13, 2006
7) Coordinator for the workshop on *"Earthquake resistant design and retrofitting of RC structures"* held at NITK, Surathkal, during January 7-11, 2008
8) Coordinator for the public awareness Programme on nuclear energy, titled "ATOM FOR PEACE", held at NITK during February 12-14, 2008.
9) Coordinator for the Indo-Japan Theme Meeting & Workshop (IJTM 2008) on "*Disaster Risk Reduction : earthquakes, landslides, Tsunami*", held at CPRI, Bangalore during August 28-29, 2008.
10) Coordinator for the Public Awareness Programme, titled "*Introduction to Japan, Japanese culture, communication skills in Japanese & Higher studies in Japan*", held at NITK, Nitte, Manipal and Mysore during September 15-22, 2008.
11) Coordinator for the Theme Workshop titled *"Concrete for Coastal Environment"* held at NITK, Surathkal, during October 7-8, 2008
12) Convener of the NITK-KU Joint Seminar titled "Recent Advances in Engineering & Technology", held at Kagoshima University, Japan during November 28-29, 2008.
13) Coordinator for the workshop on *"Earthquake resistant design and retrofitting of RC structures"* held at NITK, Surathkal, during March 9-13, 2009
14) Coordinator for the *Theme Meeting on Retrofitting & rehabilitation of Structures and International Seminar on Structural Rehabilitation* held at NITK, Surathkal and Mangalore during March 30-31, 2009.
15) Coordinator for the workshop on *"Design of Earthquake Resistant Structures"* held at NITK, Surathkal, during September 14-18, 2009.
16) Coordinator for the *NITK-KU Joint Seminar 2010*, held at NITK, Surathkal, on March 11, 2010.
17) Co-Coordinator for the *International Engineering Symposium 2011 (IES2011),* held at Kumamoto University, Japan, during March 3-5, 2011.
18) Convener for the *International Engineering Symposium 2012 (IES2012),* held at Kumamoto University, Japan, during March 5-7, 2012.
19) Convener for the *International Engineering Symposium 2013 (IES2013),* held at Kumamoto University, Japan, during March 4-6, 2013.
20) Conference Chair for the *First Annual Conference on Innovations and Developments in Civil Engineering* (ACIDIC 2014), held at NITK Surathkal during May 19-20, 2014.
21) Conference Chair for the *International Workshop on Civil Infrastructure and Structural Materials*, held at NITK Surathkal during July 28-29, 2014.
22) Convener for the International Engineering Symposium 2015 (IES2015), held at Kumamoto University, Japan, during March 4-6, 2015.
23) Convener for the International Engineering Symposium 2016 (IES2016), held at Kumamoto University, Japan, during March 2-4, 2016.
24) Convener for the International Engineering Symposium 2017 (IES2017), held at Kumamoto University, Japan, during March 1-3, 2017.
25) Convener for the International Engineering Symposium 2018 (IES2018), held at Kumamoto University, Japan, during March 7-9, 2018.
26) Convener for the International Engineering Symposium 2019 (IES2019), held at Kumamoto University, Japan, during March 13-15, 2019.
27) Convener for the International Engineering Symposium 2020 (IES2020), held at Kumamoto University, Japan, during March 3-5, 2020.

Workshops/Short Term Courses/Meetings participated as resource person & delivered keynote/invited lectures:

1) Delivered lecture on "Lessons from Bhuj Earthquake – Damage of RC Structures", at the workshop on *"Earthquake resistant design and retrofitting of RC structures"* held at NITK, Surathkal during January 21-22, 2004
2) Delivered lecture on "Bending and Torsion of Steel Structures" at the short-term course on "Design of Steel Structures", held at NITK, Surathkal during March 29 – April 6 for teaching faculty from academic institutions and sponsored by Institute for Steel Development and Growth (INSDAG), Kolkata, 2004.
3) Delivered lectures on "Soil-structure Interactions" and "Seismic wave amplifications" at the short term course on "Structural Dynamics in Earthquake Engineering" held at IISc, Bangalore during March 8-13, 2004.

4) Delivered a lecture titled "Lessons from Consultation workshop on *Addressing Earthquake Awareness, Mitigation & Preparedness in Mangalore City,* held in Mangalore on June 21, 2004, organized by UNDP and District Administration of Dakshina Kannada, in association with NITK.
5) Delivered a lecture titled "Main Causes of Damages & Lessons learnt from Bhuj Earthquake" at the *Training Programme for Engineers & Architects*, held at Coimbatore during September 7-8, 2004.
6) Delivered a lecture titled "Earthquakes" at the Short term course on *Planning, Development and Management of Modern Urban Core Infrastructure Solutions for India* held at NITK, Surathkal during December 21-31, 2004.
7) Delivered a lecture, titled EARTHQUAKES, at the Workshop on *Disaster Risk Management* held at Pilikula Nisarga Dhama, Mangalore during March 5-6, 2005.
8) Delivered a lecture titled "Main Causes of Damages & Lessons Learnt from Past Earthquakes", at the *Training & Capacity Building Programme for Engineers & Architects on Earthquake Engineering (Module 1)*, sponsored by the DC's Office, Dakshina Kannada District on October 7, 2005.
9) "Delivered a lecture, titled "Dynamic Soil Structure Interaction Effects on Multi-Storeyed RCC Frames", at the *International Conference in Structural Dynamics & Its Applications*, 7-9 December 2005, GITAM, Visakhapatnam, India, pp.454-467.
10) Delivered a lecture titled "Performance of Ground & Buildings in Past Earthquakes", at the *National Programme for capacity Building of Architects for Earthquake Risk Management,* MIT Manipal, on February 6, 2006.
11) Delivered a lecture titled "Structural Dynamics in Earthquake Engineering", at the *National Programme for capacity Building of Architects for Earthquake Risk Management,* MIT Manipal, on February 9, 2006.
12) Delivered a lecture titled "Seismic Risk Mitigation", at the *Training & Capacity Building Programme for Engineers & Architects on Earthquake Engineering (Module 5)*, sponsored by the DC's Office, Dakshina Kannada District on August 25, 2006.
13) Delivered a lecture titled "Engineers Role on Earthquake Safe Construction and Seismic Risk Mitigation", at the *39th Engineers Day Seminar on Role of Engineers in Disaster Mitigation and management* held on Sept 9, 2006 at MIT Manipal.
14) Delivered a lecture titled "Techno Legal Aspects and review of Existing Building Byelaws", at the *Training & Capacity Building Programme for Engineers & Architects on Earthquake Engineering (Module 6)*, sponsored by the DC's Office, Dakshina Kannada District on August 25, 2006.
15) Delivered a lecture titled "Regulations and Curriculum at NITK" at the *workshop on Student Evaluation Methods in Autonomous Institutions*, held at Malnad College of Engineering, Hassan on February 9-10, 2007.
16) Delivered a lecture titled "Main Causes of Damages & Lessons Learnt from Past Earthquakes – Bhuj Experience", at the *National Workshop on Recent Trends in Seismic Design of Foundation and Structures"*, held at Nitte on February 27-28, 2007.
17) Delivered a lecture titled "Earthquake Resistant Design Philosophy of Concrete Structures" at the *Workshop on Earthquake Resistant Design, Construction, Retrofitting and Rehabilitation of Structures* held at Davangere during 7-11 May 2007.
18) Delivered a lecture titled "Mangalore City Building Byelaws 2006 (draft)", *at the Meeting of the Institution of Engineers (India), Kodagu, Dakshina Kannada & Udupi Engineers Association and Association of Consulting Civil Engineers* held at Mangalore on July 21, 2007.
19) Delivered a lecture titled "National Building Code" at the Meeting of the *Rotary Club of Mangalore Metro*, held at Mangalore on 23 August 2007.
20) "Upgradation of Zoning Regulations & Building Byelaws to the Systematic Infrastructure Development in Mangalore City", *Seminar on Role of Valuers in Infrastructure Development* held at Hotel UTSAV, Mangalore on November 25, 2007
21) Delivered a lecture titled "Multi-hazard Building Byelaws – Case study of Mangalore City" at the *Training programme on Disaster Safe Building Codes & Designs,* held at Administrative Training Institute, Mysore, during August 4-8, 2008.
22) Delivered a lecture titled "Introduction to earthquake Engineering & Lessons from past earthquakes" at the *Tutorial on design, testing and retrofitting of structures for earthquake loading* held at CPRI, Bangalore on August 27, 2008.
23) Delivered a lecture titled "Multi-hazard Building Byelaws in Cities – Case Study of Mangalore City" at the *Training programme on Urban Management (with specific reference to urban disasters),* held at Administrative Training Institute, Mysore, during December 22-26, 2008.
24) Participated as subject expert at the *Workshop on Formulation of Karnataka State Disaster*

Management Plan, held at the Administrative Training Institute, Mysore during April 20-21, 2009

25) Delivered a lecture titled "Experimental study on the behaviour of infilled RC frames under seismic loading" at the NITK/ASTR-KU Joint Seminar held at Kagoshima University, Japan on May 28, 2009.
26) Delivered a lecture titled "Natural Disasters: Prevention & Mitigation" at the *World Environment Day*, organized by NITK Kannada Medium High School on June 6, 2009.
27) Delivered a lecture titled "Multi-hazard building byelaws in cities: case study of Mangalore City Corporation", at the Training Programme on *Disaster Management in Urban Area*s, held at the Administrative Training Institute, Mysore, during June 18-20, 2009.
28) Delivered a lecture titled "Multi-hazard Building Byelaws: A Case Study", at the Training Programme on *Disaster Safe Building Codes & Designs* for district level officers, held at the Administrative Training Institute, Mysore, during September 7-11, 2009.
29) Delivered a lecture titled "Main causes of damages & lessons learnt from past earthquakes", at the Training programme on Disaster Management, organized by Administrative Training Institute, Govt of Karnataka, and held at Zilla Panchayath hall, Udupi during October 27-29, 2009.
30) Delivered a lecture titled "Disaster Safe Construction Practices – Lessons from Past Earthquakes", at the International Conference on Emerging Trends in Engineering, Held at Jaisingpur, during February 20-21, 2010.
31) Delivered the Inaugural address at the Inaugural function of Students' Union and Sports' Union of Government Polytechnic, Bantwal, Karnataka, September 10, 2011.
32) Delivered a lecture titled "Earthquake Engineering", at the National Seminar on Disaster Management and Mitigation, Kalasalingam University, Krishankoil, Tamil Nadu, September 16, 2011
33) Delivered a lecture titled "Fundamentals of Earthquake Engineering", to undergraduate students of Department of Civil Engineering, Alva's Institute of Engineering & Technology, Moodabidri, Karnataka, September 21, 2011.
34) Delivered a lecture titled "Earthquake Engineering", at the technical meeting of the Association of Consulting Engineers (India), Mangalore Chapter, September 29, 2011.
35) Delivered a lecture titled "Reinforcement Detailing for Earthquake Resistant Design" as part of the Continuing Education Programme on Reinforced Concrete Detailing, mix design and quality control, organized by Center for Continuing Education (NITK) during October 17-21, 2011.
36) Delivered a lecture titled "Introduction to Earthquake Engg" –at Sahyadri Engg College, organized by ACCE(I), Mangalore Centre, As part of Engineers Week during March10-17, 2012.
37) Delivered a lecture titled "Coastal Disasters and Possible Mitigate Measures", as part of the Training Programme on Disaster Management for District Disaster Management (DDMA) Members, at District Training Institute, Mangalore, during June 18-20, 2012.
38) Delivered a lecture titled "Introduction to Earthquake Engineering" – Delivered at Adhiyamaan College of Engineering, Hosur, on Sept 3, 2012.
39) Delivered a lecture titled "Introduction to Earthquake Engineering" at Toc H Institute of Technology, Ernakulam, at the International Conference on Emerging Trends in Manufacturing Technology, during Sept 5-6, 2012.
40) Delivered a lecture titled "Earthquake Resistant Design of Structures" –at K L University, Vijayawada, on Sept 8, 2012.
41) Delivered a lecture titled "Earthquake Disaster Risk Mitigation Measures" at Dr J J Magdum College of Engineering, Jayasingpur at the 2nd International Conference on Emerging Trends in Engineering during Feb 22-23, 2013.
42) Delivered a lecture titled "Coastal Disaster Mitigation Techniques", in the School of Civil Engineering, Karunya University, Coimbatore, on April 13, 2013.
43) Delivered a lecture titled 'Earthquakes", at *Poornaprajna College, Udupi*, on September 11, 2013.
44) Delivered the Inaugural address at the Inaugural function of the *SRISTICA-2013 & Engineers' day celebrations* at Srinivas School of Engineering, Mukka, Mangalore on September 20,2013.
45) Delivered a lecture titled "Strengthening of iron ore filter unit's heavy engineering shed at Kuduremukh iron Ore company Limited", at the Workshop on "*Structural Rehabilitation and Retrofitting using Construction Chemicals*" held at IIT Bombay during September 24-25, 2013.
46) Delivered a lecture titled "Introduction to Earthquakes", at the one-day National Seminar titled "*Effectual disaster management in India with special reference to Dakshina Kannada*", held at Besant Evening College, Mangalore on December 17, 2013.
47) Delivered a lecture titled "Seismic analysis of structures", at the 3-day National Workshop on "*Dynamic Analysis of Machines and Structures*", held at NITK Surathkal, during 29-31 January 2014.

48) Delivered a lecture titled ‘’Introduction to Earthquake Engineering” at the St Joseph Engineering College, Mangalore, as part of *Engineers Week* organized by ACCE(I), Mangalore Centre, on March 25, 2014.
49) Delivered a keynote lecture titled “Earthquake response characteristics of masonry infill panels”, at the 3rd World Conference on Applied Sciences, Engineering & Technology, held at Kathmandu, Nepal during September 27-29, 2014.
50) Chaired a technical session at the International Conference on Emerging Trends in Mechanical Engineering (ICETME’15), held at Ernakulam during September 3-5, 2015.
51) Delivered a keynote lecture titled “Seismic response of masonry infill panels”, at the 3rd National Conference on Systems, Energy and Environment (NCSEE’15), held at Kannur during September 10-11, 2015.
52) Delivered an invited lecture titled “Seismic response control of steel structures using dampers”, at the International Conference on Innovative Trends in Civil Engineering for Sustainability – ICICES 2016 held at Ernakulam, Kerala during January 8-9, 2016.
53) Delivered a keynote lecture titled “Seismic response of masonry infill panels”, at the International Conference on Emerging and Sustainable Technologies for Infrastructure Systems,(ESTIS2016), held at Coimbatore during April 22-23, 2016.
54) Delivered a invited lecture titled “Overview of current seismic building codes”, at the National Level Workshop on Revised Seismic Codes – Impact on Structural Design, Construction & Safety of Buildings, held at Kolhapur during December 18-19, 2017.
55) Delivered a invited lecture titled “Impact of IS 13920:2016 on Design & Detailing of RC Structure”, at the National Level Workshop on Revised Seismic Codes – Impact on Structural Design, Construction & Safety of Buildings, held at Kolhapur during December 18-19, 2017.
56) Delivered an invited lecture titled Earthquake resistant construction practices”, at MBITS, Ernakulam, on April 16, 2018.
57) Delivered a keynote lecture titled “Recent advances in earthquake resistant construction practices”, at the *2nd National Conference on Structural Engineering and Construction management, SECON ‘2018*, held at FISAT, Angamaly, Kerala, during April 17-18, 2018.
58) Delivered an expert lecture titled “Earthquake Engineering”, at the *Faculty Development Program (Fundamentals of Materials & Mechanics*)”, held at Government Polytechnic, Bantwal, Karnataka on July14, 2018.
59) Delivered an invited lecture titled “Seismic analysis of special structures” at L&T Headquarters Campus, Chennai on September 21, 2018.
60) Delivered an invited lecture titled “Recent advances in earthquake resistant construction practices”, at Srinivas University, Mukka, Mangalore on September 26, 2018.
61) Delivered a keynote lecture titled “Mapping of seismic hazard parameters for Karnataka – a southern state of India”, at the *International Engineering Symposium 2019 (IES2019)*, held at Kumamoto University, Japan, during March 13-15, 2019.
62) Delivered a keynote lecture titled “Disaster Mitigation”, at the *International Conference on Energy, Environment, Materials and Safety (ICEEMS’19)* held at CUSAT, Kochi, during April 25-27, 2019.
63) Delivered an invited lecture titled “Engineering Seismology & Lessons from Past Earthquakes”, at the *one-week workshop on Hazard Mitigation of Onshore and Offshore Structures (HMOOS-2019)* held at NIT Silchar during April 26-30, 2019.
64) Delivered an invited lecture titled “Recent Advances in Earthquake Resistant Design”, at the *one-week workshop on Hazard Mitigation of Onshore and Offshore Structures (HMOOS-2019)* held at NIT Silchar during April 26-30, 2019.
65) Delivered a keynote lecture titled “Site –specific design spectrum model for a region of moderate seismicity” at the *National Conference on Recent Trends in Civil Engineering (NCRTCE’19)* held at Vimal Jyothi Engineering College, Chemperi, Kannur on May 30, 2019.
66) Delivered an invited lecture titled “Repair, Restoration, Retrofitting and Rehabilitation of structures” at the QIP Short term course on *Fracture Characterization of Concrete Using Non-destructive testing including Acoustic Emission testing*, held at IISc Bangalore, during December 16-20, 2019,
67) Delivered an invited lecture titled “Coastal Disasters and Possible Measures for Mitigation” at the *one-week GIAN course on Environmental loads and design approach for fixed and floating offshore structures*, held at NITK Surathkal during December 23-27, 2019.
68) Delivered a keynote lecture titled “The Institution of Engineers (India) - 100 Years of Relentless Journey Towards Engineering Advancement for Nation-building” at the online International Conference on *Green Highway Construction – A Sustainable Approach*, held at NITK Surathkal during September 14-15, 2020.

69) Delivered an invited lecture titled “Introduction to Earthquake Engineering”, at School of Engineering & Technology, CHRIST (deemed to be University), Bangalore, on October 14, 2020.
70) Delivered an invited lecture titled “Introduction to Earthquake Engineering”, at SDM College of Engineering & Technology, Ujire, on December 10, 2020.
71) Delivered a keynote lecture titled “Introduction to Earthquake Engineering”, at the *Faculty Development Programme titled Recent Advances in Civil Engineering – RACE 2020*, held at Sahrdaya College of Engineering & Technology, Trissur, Kerala during December 28, 2020 - January 1, 2021.
72) Delivered an expert lecture titled “Engineering Seismology & Lessons from Past Earthquakes”, at the *AICTE Training and Learning (ATAL) Academy Sponsored Online Faculty Development Programme (FDP) on Earthquake Resistant Structural Systems and Design for Buildings and Structures,* Organized by Sri Venkateswara College of Engineering, Chennai during June 7-11, 2021.
73) Delivered an expert lecture titled “Engineering Seismology & Lessons from Past Earthquakes”, at the *APJ Abdul Kalam Technological University Sponsored Online Faculty Development Programme (FDP) on Recent Advances in Seismic and Wind Load Analysis of Structures,* organized by Mar Baselios College of Engineering and Technology, Thiruvananthapuram, Kerala, during June 7-11, 2021.
74) Delivered an expert lecture titled “Introduction to Earthquake Engineering” , as part of the Invited Online Lecture Series on *Advancements and Trends in Civil Engineering (ATCE 2021),* organized by NIT Goa, on July 9, 2021.
75) Delivered an expert lecture titled “Engineering Seismology & Lessons from Past Earthquakes”, at the *AICTE Training and Learning (ATAL) Academy Sponsored Online Faculty Development Programme (FDP) on Advances in Earthquake Engineering,* organized by LBS College of Engineering, Kasaragod, Kerala, during July 26-30, 2021.
76) Delivered an expert lecture titled “Design and Detailing of Structures – Lessons from Past Earthquakes”, at the *AICTE Training and Learning (ATAL) Academy Sponsored Online Faculty Development Programme (FDP) on Fundamentals of Geotechnical and Structural Engineering for Sustainable Infrastructure Development*, organized by Government Engineering College, Rahod, Gujarat, during Aug 30- Sept 3, 2021.
77) Delivered an expert lecture titled “Engineering Seismology & Lessons from Past Earthquakes”, at the *AICTE Training and Learning (ATAL) Academy Sponsored Online Faculty Development Programme (FDP) on Recent Advances in Earthquake Engineering*, organized by Vidya Academy of Science & Technology, Trissur, Kerala, during Dec 6 – Dec 10, 2021.
78) Delivered an invited lecture titled “Engineering Seismology & Lessons from Past Earthquakes”, at the *Bapuji Institute of Engineering & Technology, Davangere, on Dec 18, 2021.*
79) Delivered an invited lecture titled “Engineering Seismology”, at the *BDT College of Engineering, Davangere*, on Dec 21, 2021.
80) Delivered an expert lecture titled “Engineering Seismology & Lessons from Past Earthquakes”, at the TEQIP II Sponsored Faculty Development Programme (FDP) on Structural Engineering and Concrete Technology, organized by LBS Institute of Technology for Women, Thiruvananthapuram, Kerala, during Dec 12-14, 2022.

MAJOR RESEARCH PROJECTS WITH EXTERNAL FUNDING/COLLABORATION

12/2007 – 11/2017	Collaborative research in the area of structural engineering (under the MOU between NITK and BARC *(sponsored by BARC)*
04/2010 – 03/2013	Effect of corrosion on residual capacity prediction of RCC beams and beam column joints in coastal environment *(sponsored by BRNS)*
04/2009 – 03/2012	Uncertainty and sensitivity analysis of the pushover method for RC framed structures with brick infill walls *(sponsored by BRNS) (Co-Investigator)*
09/2007 – 03/2012	Dynamic soil structure interaction effects in multistoreyed structures on homogeneous soil and geosynthetic reinforced soil *(sponsored by BRNS) (Co-Investigator)*

09/2007 – 03/2011	Earthquake response characteristics of masonry infill panels *(sponsored by BRNS)*
03/2004 - 03/2007	Studies on the seismic vulnerability and earthquake resistant design of structure for south-west region of India *(MHRD-TAT project)*
03/2004 - 03/2006	Establishment of Earthquake Engineering Lab *(Sponsored by NPEEE)*
04/2001 - 08/2002	Dynamic safety evaluations of large offshore structures *(Sponsored by Japanese Ministry of Education, Science & Culture)*
04/2000 - 03/2002	Earthquake resistance of civil engineering structures of Kagoshima prefecture *(Sponsored by Yonemori Research Foundation)*
04/2000 - 03/2001	Dynamics of deep water uplifting devices *(Sponsored by Kagoshima Prefectural Government)*
04/1999 - 03/2001	Development of GPS mounted floating devices for measurement of flow parameters *(Sponsored by Shinwa Gijutsu Consulting Corporation)*
04/1998 - 03/2001	Dynamic characteristics of large offshore structures *(Sponsored by Japanese Ministry of Education, Science & Culture)*
04/1996 – 04/1998	Dynamic stability evaluation of offshore structures *(Sponsored by Japanese Ministry of Education, Science & Culture)*
04/1994 – 04/1995	Dynamics of underwater tunnels due to waves, currents & earthquakes (*Sponsored by Japanese Ministry of Education, Science & Culture)*
04/1994 – 04/1995	Fluid forces on ship rudder models *(Sponsored by Mitsubishi Heavy Industries Ltd.)*
04/1993 – 04/1994	Junction flow around a strut mounted on a flat plate *(Sponsored by Mitsubishi Heavy Industries Ltd.)*

THESIS GUIDANCE EXPERIENCE

Doctoral thesis

1. Nimisha P (2023): Development of effective baffle configuration for slosh response control in liquid storage tanks (co-guide)
2. Sreya M V (2022): Seismic response of RC buildings incorporating effective soil isolation with sustainable materials (co-guide)
3. Vajreshwari Umachagi (2020): Structural seismic response control using passive control devices
4. Archana J Satish (2019): Torsional response of asymmetric buildings under earthquake loads (co-guide)
5. Shreyasvi C (2019): Probabilistic seismic hazard assessment and site characterization of southwest India
6. Rajendra Prabhu (2018): Performance appraisal of eco-friendly mortars and concretes (co-guide)
7. Bhavana Patel S S (2016): Meshfree technique with adaptive refinement strategy for crack propagation analysis (co-guide)
8. Premanand Shenoy (2016): Optimum material disposition in 2D plate bending problems – nodes in motion strategy (co-guide)

9. Akshatha Shetty (2014): Effect of reinforcement corrosion on the bond strength of RC members
10. Poornachand Pandit (2014): Effect of corrosion on the flexural behavior of reinforced concrete beams
11. Srujana Nandam (2013): Seismic response of substation equipment with porcelain component
12. Shanthala B (2013): Response analysis of berthing structures for wave and earthquake induced forces including soil-structure interaction (co-guide)
13. Sujatha Unnikrishnan (2013) : Seismic response of laterite masonry structures (co-guide)
14. Chethan K (2010) : Studies on the influence of infill on dynamic characteristics of reinforced concrete frames
15. H C Chinnagiri Gowda (2010) : Usage potential of welded wire fabrics as lateral reinforcement in RC frames and elements for seismic zones
16. B R Jayalekshmi (2009): Seismic response analysis of multistorey frames including soil-structure interaction
17. Babunarayan K S (2008): Discrete and continuous search algorithms for shape optimization of structures
18. Arakawa K (2002): Uncertain parameter effects on seismic response evaluations of nonlinear structures
19. Hashimoto S (2002): Dynamic safety evaluations of offshore structures
20. Komasa T (1998): Dynamic response analyses of large offshore structures
21. Taniguchi T (1998): Approximate evaluation of dynamic response of offshore structure

Master's thesis

1. Priya Mishra (2023): Slope stability analysis under earthquake-Induced load
2. Khatija Banoo (2023): Studies on seismic performance of RC framed buildings using pseudo-optimization technique
3. Priyusha G (2022): Studies on seismic performance of RC framed buildings using pseudo-optimization technique *(MTech-Research)*
4. Rohit Kumar K (2022): Effect of soil structure interaction on seismic response of multi-storey buildings
5. Sahana C M (2022): Estimation of seismic response of irregular RC buildings using artificial neural network
6. Anuja P B (2022): A study on characterizing seismic site response using linear and equivalent linear methods considering time series and RVT approaches
7. Banoth Praveen Kumar (2022): Non-linear static analysis of prestressed concrete bridge (co-guide)
8. Jenna Maria Jaleen (2022): Seismic response of liquid retaining tank considering fluid-structure and soil-foundation-structure interaction. (co-guide)
9. Sushmitha Shettigar (2021): Earthquake Response of Berthing Structures with Soil-Structure Interaction *(MTech-Research)* (co-guide)
10. Mohammad Idrees Rasa (2021): Design of cold-formed steel buildings (co-guide)
11. Abhishek Kumar (2021): Seismic retrofitting of RC framed structures designed for gravity loads (co-guide)
12. Anasu Rahman P (2021): Retrofitting of bridges under normal and postulated accidental dynamic loads (co-guide)
13. Rushikesh Daware Vilas (2021): Capacity spectrum evaluation using incremental response spectrum method for structures subjected to earthquakes (co-guide)
14. Anagha Mary Paul (2021): Seismic analysis of footings embedded in slopes considering composite failure surface: Psuedo dynamic approach (co-guide)
15. Anuradha Pagadoddi (2020): Seismic analysis of pounding in building
16. Ulsala Gnana Sudha (2020): Seismic site response analysis using random vibration method
17. Monalisa Miriam Fernadez (2020): Seismic site response analysis of South west India
18. Ancheli Siby Jacob (2020): slope stability analysis under earthquake load using PLAXIS software
19. Badira Rahmath N (2019): Influence of variabilities in input parameters on seismic site response analysis
20. Sharika R (2019): Effectiveness of base isolation using single friction pendulum in plan irregular structures
21. Sanju G N(2019): Comparative study of two successive revisions of IS 1893- The Indian Code for

earthquake Resistant Design

22. Anjana S Rao (2019): Dynamic response of berthing structures *(MTech-Research)* (co-guide)
23. Suyash Kumar (2019): Seismic response control of buildings resting on sloping ground.
24. Nissin Ann Mathew (2018): Seismic isolation of structures using lead rubber bearing and sliding friction pendulum.
25. Sameeha Latheef (2018): Seismic response control of RC chimneys using multiple tuned mass dampers.
26. Pradeep Kumar Pandre (2018): Seismic analysis of step back and step back – set back buildings resting on sloping ground with and without shear walls
27. Shubha Javagal (2018): Finite element study of the effect of cracks in a standard aircraft specimen using virtual crack closure technique *(MTech-Research)*
28. Seethu K (2017): Earthquake response of structures with base isolation
29. Anusree R (2017): Seismic analysis of multistorey RC structures with tuned mass damper
30. Haseena Mumthas M (2017): Performance based seismic analysis of RC framed buildings for various lateral load pattern
31. Bindhya K V (2017): Performance based seismic design of RC framed buildings
32. Archana Rajan (2017): Effect of gravity column in seismic response of buckling restrained braced frames
33. Smrithi Sohan (2017): Seismic response of tall RCC buildings with mass irregularity (co-guide)
34. Swathi S (2017): Performance-based seismic analysis of structure: evaluation of performance point *(MTech-Research)*
35. Ajay Ramesh Prabhu (2016): Assessment of fundamental period of RC structures
36. Deepa Venugopalan (2016): Dynamic response of RC frames with brick masonry infill panels
37. Kausalya G (2016): Lamb wave based damage detection in curved plates
38. Harisangam Madhura Ajit (2016): Seismic analysis of RCC structure using time history method and push over analysis
39. Mithila Bhagavathi M (2016): Studies on stress intensity factors and crack propagation in 2-dimensional plates using extended finite element method
40. Radhika Harshini V (2016): Health monitoring of stiffened plate structures.
41. Rokalla Eshwara Reddy (2016): Seismic response of asymmetric structures
42. Dheeraj Swamy B L P (2016): Performance based seismic engineering techniques for RC special moment resisting frames
43. Catherin Jaselia (2015) : Earthquake response of brick masonry infills ***(****MTech-Research)*
44. Kushitha U (2015): Seismic response control of structures using base isolation.
45. Vinaykumar R (2015): Seismic response control of structures with tuned mass damper
46. Muhammad Naseef P A (2015): Reduction of earthquake response of buildings by viscoelastic dampers
47. Sunil D V (2014): Studies on the effect of change in dead load on the design of multistrorey buildings
48. Shashikumar M B (2014): Study on crack initiation and propagation using extended finite element method.
49. Divya Dev C M (2014): A parametric study on the vibro-acoustic performance of segmented fuselage with noise insulating passive material.
50. Neeraja Nair (2014): Structural design and analysis of unmanned aerial vehicle wing
51. Sri Ramakrishna Kavuluru (2014): Bond behavior between concrete and steel.
52. Jessiya Thasneem (2013): Seismic performance of steel structures with and without dampers
53. Manju Marium John (2013): Seismic response control of structures by tuned mass dampers
54. Meenakshy P (2013): Damage detection using ARX model in ASCE benchmark structure and applicability based on damping ratio
55. Aruna D (2013): Scope for utilization of waste tiles as partial replacement to coarse aggregate in normal, porous and blended concretes
56. Thomas Tamut (2013): Usage potential of expanded polystyrene beads as partial replacement to coarse aggregates in concrete
57. Akshatha Shetty (2012) : Effect of corrosion on loss of bond strength in reinforced concrete members *(MTech-Research)*
58. Tamizharasi G (2012): Development and testing of magnetorheological fluid for making seismic dampers

59. Mahesha (2012): Experimental investigation on the flexural strength of corroded PPC reinforced concrete beams
60. Shivaprasad Naik K (2012): Experimental investigation on the flexural strength of corroded OPC reinforced concrete beams
61. Arun S Sedmkar (2012): Analytical investigation on flexural strength of RC beams using ANSYS.
62. Deeja A (2011): Seismic fracture analysis in concrete gravity dams
63. Bharath Kumar S (2009): Response characteristics of RC frames with masonry infill panels
64. Ashok Kumar S (2009): Performance of 150mm normal strength concrete(NSC) cubes at elevated temperatures
65. Goutam (2008) : Performance evaluation of 3D RC Frame under earthquake loading
66. Bhagyashri P (2008): Experimental study on chloride diffusion property of concrete
67. Vikas B N (2008): Evaluation of influence of masonry infill on 2D RC frames under seismic loading
68. Chandrakala C (2008): Evaluation of concrete under fire loads – preliminary investigation on cylinders
69. Mahesh Babu K (2008): Evaluation of concrete under fire loads – preliminary investigation on 100mm cubes
70. Mahesh G (2007) : Performance of RC frames using CFRP sheets under seismic loading – An experimental investigation
71. Sistla Prasanna (2007) : Performance of RC frames using masonry infill under seismic loading – An experimental investigation
72. Chandrashekhar Poojari (2007) : Performance of RC frames using welded wire fabrics under seismic loading – An experimental investigation
73. Prasad Vodugu B S (2007) : Performance of RC frames using RECRON 3S fibres under seismic loading – An experimental investigation
74. Prashanth M H (2006) : Performance enhancement of RC frames using welded wire fabrics – An experimental investigation
75. Sajith M (2006): Performance enhancement of RC frames using CFRP sheets – An experimental investigation
76. Neena V Hede (2005) : Static and dynamic analysis of berthing structure
77. Prashanth Salla (2005): Studies on application of artificial neural networks in semi-active control of controllable fluid dampers
78. Hema S (2004) : Optimum design of parabolic antenna
79. Chethan K (2004) : Design and testing of bamboo house for seismic loading
80. Soumya S (2004) : Linear and nonlinear response analysis of SDOF systems subjected to earthquake motions
81. Yasunaga K (2002) : Earthquake response of TLPs under offset condition
82. Uda T (2001) : Wave response characteristics of TLPs
83. Kuguhara M (2001) : GPS mounted floating structures as flow measurement devices
84. Tanabe Y (2000): Dynamics of floating bridges
85. Tougou J (2000): Dynamics of TLPs in steady currents

Undergraduate thesis (data for last 18 years)

1. Shaik Hameedulla and Midde Swarna Rekha (2024): Dynamic analysis of RC Buildings using response spectrum method
2. Chaithanyashree M and Sanju Nayak (2022): Analysis and design of a G+3 storeyed RC building under seismic loading.
3. Drishti Rawat, Priyanka Das and Raj Gupta (2022): Analysis of reinforced concrete building with different arrangements of concrete and steel bracing system under seismic loading
4. Satvika B Mahesh, Abhay Mishra and Saurabh Tiwari (2022): Earthquake rupture dynamics using Machine Learning
5. Mallamma C Navi (2021): Study on self healing bacterial concrete.
6. Aishwarya Rao, Prerana K Viz, Rahul Ramesh and Rajkumari Fulwadiya (2020): Effect of steel bracing on the seismic response of a RC structure
7. Prajwal N and Vincle Mable Vas (2019): Effect of diaphragm discontinuity on the seismic response of RC building.

8. Apoorva, Mrunal Vikas Narkar and Sneha Choukikar (2018): Analysis of cable stayed bridge
9. Pawan Kumar Verma and Vikram Kumar Maharaniyan: Modelling and analysis of cable stayed bridge
10. Nidhi Rao, Sheethal Raj S G and Harshith Gowda (2017): Analysis of multi-storey building subjected to blast loading
11. Manasa Bhat and Neha Madhulika (2016): Effects of different kinds of bracing systems on buildings
12. Geetha C, Subhashree S and Raju Meena (2016): Response spectrum analysis of a RC framed building for different position of shear wall.
13. Aishwaraya M Bansode (2016): Seismic structural characterization of Nepal
14. Debarun Chatterjee, Chera Tata, Sabnam Gogoi, Tekcham Gishan Singh (2013): Effects of Corrosion on flexural strength and deflection of RCC beam (OPC).
15. Abhishek Rastogi, Deepak Bhandarkar, Lalit Mohan (2013): Effects of Corrosion on flexural strength and deflection of RCC beam (PPC).
16. Atul Gupta, Neeraj Gandhi, Satyendra Kumar Patel, Sayantani Dutta (2013): Damage detection using frequency analysis as a part of structural health monitoring.
17. Ankur Durga Prasad Kurmi, Maulik Saxena, Rahul Kumar, Rohit Kumar (2013): Analysis and Design of Extra-Dosed Bridge
18. Karun Mathew Joseph (2012) : Monotonic flexural behavior of plain concrete beams strengthened by textile reinforced concrete
19. Aditya S A, Tariq Zyad, Bharath R and Sajal (2012): Effect of corrosion on bond strength of reinforced concrete: A study using ANASYS
20. Avinkrishnan A V, Vinay Damodaran, Sushma A and Poonam M (2012): Effect of dynamic loads on cable stayed bridges
21. Ajit Kamath and Kaustav Sengupta (2012): Development and testing of magnetorheological fluid for making seismic dampers
22. Ravishankar T, Saket Dabi, Surya Prakash N B and Vijendra Chourey (2007): Experimental and analytical dynamic analysis of structures
23. Piyush Pandey, Gautam D G, Singh N R and Sarge D R (2006): Rapid visual screening of existing buildings of NITK campus for potential seismic vulnerability
24. Sunil Kumar D, Ranjith Kumar B and Alok Verma (2006): Structural behavior of interlocking iron-ore-tailings based concrete block pavement

TEACHING EXPERIENCE

Courses

PG Level: 1. Structural Dynamics 2. Earthquake Engineering 3. Safety of Structures
4. Plates and Shells 5. Offshore Structural Engineering 6. Theory of Elasticity

UG Level: 1. Structural Analysis I & II 2. Structural Design (RCC) 3. Structural Design (Steel)
4. Engineering Mathematics 5. Structural Dynamics & Wind Engineering
6. Elements of Earthquake Engineering

General (both UG&PG): Introduction to Japanese Language & Culture (*non-credit course*)

MEMBERSHIP OF PROFESSIONAL SOCIETIES

1) Fellow, The Institution of Engineers (India) (F-112304-8)
2) Fellow, Indian Association of Structural Engineers (F-214)
3) Life Member, Indian Society of Earthquake Technology (LM 834)
4) Life Member, The Indian Society for Technical Education (LM 38344)
5) Life Member, Indian Concrete Institute (M 7160)
6) Life Member, Kodagu, Dakshina Kannada and Udupi Engineers' Association (LM 642)
7) Life member, Association of Consulting Civil Engineers (India) (2024L)
8) Life Member, Association of Structural Rehabilitation (A0502)

AWARDS AND RECOGNITIONS

1) Recipient of **Scroll of honour** for outstanding contribution to the cause of engineering and nation building, from the **Institution of Engineers (India)** on the occasion of IEI Centenary year, awarded on October 4, 2021.

2) Recipient of **Certificate of Appreciation** for contribution in the field of construction and engineering, from the **Lions Club, Leo Club, Mangalore** on the occasion of Engineers' Day Celebrations, held on September 23, 2020.

3) Recipient of **Research Excellence Award** at the 3rd World Congress on Applied Sciences, Engineering & Technology, held during September 27-29, 2014, at Kathmandu, NEPAL.

4) Recipient of **Eminent Engineers' Award** for achieving excellence in professional field and service to the Civil Engineering Fraternity, from the **Association of Consulting Civil Engineers (India), Mangalore Centre**, on the occasion of Engineers' day 2013, held on September 15, 2013.

PUBLICATIONS

Book Chapters

1. Priyusha, G., Shreyasvi, C., Venkataramana, K. (2024). Studies on Seismic Performance of RC Framed Buildings Using Pseudo-optimization Method. In: Nehdi, M., Hung, M.K., Venkataramana, K., Antony, J., Kavitha, P.E., Beena B R (eds) Proceedings of SECON'23. Lecture Notes in Civil Engineering, vol 381. Springer, Cham. https://doi.org/10.1007/978-3-031-39663-2_70

2. Merin Mathews, Jayalekshmi B R and Venkataramana K (2023): Probabilistic Analysis of RC Buildings Based on Incremental Dynamic Analysis, IOP Conference Series: Earth and Environmental Science, Volume 1149, Novel Sustainable Concepts and Technologies in Civil Engineering (NSCTCE-2022) 22/09/2022 - 25/09/2022 Vamanjoor, India, pp.1-7 https://iopscience.iop.org/article/10.1088/1755-1315/1149/1/012007/pdf

3. Merin Mathews, Venkat Kishore T, Jayalekshmi B R and Venkataramana K (2023): Vulnerability assessment of RC buildings with irregularities using probabilistic analysis, Materials Today: Proceedings, Elsevier, https://doi.org/10.1016/j.matpr.2023.04.651

4. Sreya M V, Jayalekshmi B R and Venkataramana K (2023): A Comparative Study on Dynamic Response of Buildings Resting on Coir and Rubber mat Reinforced Soil Bed, IOP Conference Series: Earth and Environmental Science, Volume 1149, Novel Sustainable Concepts and Technologies in Civil Engineering (NSCTCE-2022) 22/09/2022 - 25/09/2022 Vamanjoor, India, pp.1-5 https://iopscience.iop.org/article/10.1088/1755-1315/1149/1/012012/pdf

5. Shreyasvi, C., Venkataramana, K. (2023). Role of Uncertainties in Site Response Analysis and Their Incorporation in Seismic Hazard Workflow. In: Jakka, R.S., Singh, Y., Sitharam, T.G., Maheshwari, B.K. (eds) Earthquake Engineering and Disaster Mitigation, Springer Tracts in Civil Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-99-0081-7_4, pp.85-97.

6. Priyusha, G., Shreyasvi, C., Venkataramana, K. (2023). Seismic Performance of Infilled RC Frames by Pseudo-Optimization Method. In: Marano, G.C., Rahul, A.V., Antony, J., Unni Kartha, G., Kavitha, P.E., Preethi, M. (eds) Proceedings of SECON'22. SECON 2022. Lecture Notes in Civil Engineering, vol 284. Springer, Cham. https://doi.org/10.1007/978-3-031-12011-4_11

7. Nimisha P., Jayalekshmi B.R., Venkataramana K. (2023). “Influence of Geometric Parameters in Self-damping Efficiency of Rectangular Liquid Storage Tanks”. *In: S. Saha et al (eds.) Recent Advances in Materials, Mechanics and Structures*, *Lecture Notes in Civil Engineering, Vol. 269, Springer Nature Singapore, pp.133-140 (online publication Oct 2022)*, https://doi.org/10.1007/978-981-19-3371-4_12

8. Sreya M.V., Jayalekshmi B.R., Venkataramana K. (2023). “Seismic Response of Buildings Resting on Geosynthetics Reinforced Sand Bed”. In: Fonseca de Oliveira Correia, J.A., Choudhury, S., Dutta, S. (eds) *Advances in Structural Mechanics and Applications. ASMA 2021*. *Structural Integrity, Vol 26. Springer, Cham.* pp.51-57 (online publication July 2022), https://doi.org/10.1007/978-3-031-05509-6

9. Rahman P.A., Reddy G.R., Venkataramana K. (2022). “Dynamic Behaviour of Road Bridge Deck When a Truck Moves Along the Irregularities of the Road Profiles”. In: Fonseca de Oliveira Correia, J.A., Choudhury, S., Dutta, S. (eds) *Advances in Structural Mechanics and Applications. ASMA 2021. Structural Integrity, Vol 19. Springer, Cham. pp.117-141 (online publication June 2022)*, https://doi.org/10.1007/978-3-030-98335-2_9

10. Rahman P.A., Reddy G.R., Venkataramana K. (2022). “Dynamic Behaviour of Bridge Pier Due to Direct Vehicle Collision”. In: Fonseca de Oliveira Correia, J.A., Choudhury, S., Dutta, S. (eds) *Advances in Structural Mechanics and Applications. ASMA 2021. Structural Integrity, Vol 19. Springer, Cham*. pp. 142-166 *(online publication June 2022)*https://doi.org/10.1007/978-3-030-98335-2_10

11. Shreyasvi C., Venkataramana K. (2022) “Estimation of Local Site Effects in Indian Scenario: Lessons from Past Earthquakes, Current Practices, and Future Trends”. In: Kolathayar S., Pal I., Chian S.C., Mondal A. (eds) *Civil Engineering for Disaster Risk Reduction. Springer Tracts in Civil Engineering. Springer, Singapore*. pp. 209-226. *(online publication Nov 2021*), https://doi.org/10.1007/978-981-16-5312-4_15

12. Shettigar S., Jayalekshmi B.R., Venkataramana K. (2022). “Response Analysis of Berthing Structure with Soil–Structure Interaction”, *Sustainability Trends and Challenges in Civil Engineering (Nandagiri L et al (eds.)), Lecture Notes in Civil Engineering, Vol 162. Springer, Singapore, pp.949-962 (online publication Sept 2021).* https://doi.org/10.1007/978-981-16-2826-9_59, *pp. 949-962*

13. Shreyasvi C and Venkataramana K. (2021): “Nonlinear soil amplification models for a moderately active seismic zone in India”, *Local Site Effects and Ground Failures (T G Sitharam et al (eds.)), Lecture Notes in Civil Engineering 117, Springer Nature Singapore, pp. 39-50.* https://doi.org/10.1007/978-981-15-9984-2_4

14. Shreya M V, Jayalekshmi B R and Venkataramana K (2021): “A study on seismic response of buildings on coir mat reinforced sand bed”, IOP Conf. Series: Material Science and Engineering, ICETEST 2020, IOP publishing, Vol.1114, pp. 1-9. https://doi:10.1088/1757-899X/1114/1/012018

15. Sharika R and Venkataramana K (2021): “Effectiveness of base isolation using single friction pendulum in plan irregular buildings”, Trends in Civil Engineering and Challenges for Sustainability (M C Narasimhan et al (eds.)),Lecture Notes in Civil Engineering 99, Springer Nature Singapore, pp. 17-30. https://doi.org/10.1007/978-981-15-6828-2_2

16. Vincle Mable Vas, Prajwal Nagaraja and Venkataramana K (2021): “Effect of diaphragm discontinuity on the seismic response of an RC building”, Trends in Civil Engineering and Challenges for Sustainability (M C Narasimhan et al (eds.)),*Lecture Notes in Civil Engineering 99*, Springer Nature Singapore, pp. 157-170. https://doi.org/10.1007/978-981-15-6828-2_13

17. Prakash M R, Venkataramana K, Prabhakara R and Manjunatha B (2021): “Studies on rotation capacity and torsional strength of normal, medium- and high-strength RC Beams”, Recent Trends in Civil Engineering (K. K. Pathak et al. (eds.)), *Lecture Notes in Civil Engineering 77*, Springer Nature Singapore, pp. 185-196. https://doi.org/10.1007/978-981-15-5195-6_14

18. Nimisha P, Jayalekshmi B R and Venkataramana K (2021): “Study of Dynamic Characteristics of Circular Liquid Storage Tanks Using Acoustic Principles”, Recent Trends in Civil Engineering (B B Das et al (eds.)),*Lecture Notes in Civil Engineering 105*, Springer, pp. 125-135. https://doi.org/10.1007/978-981-15-8293-6_10

19. Ambili P, Krishnachandran V N and Venkataramana K (2021): “Seismic pounding between adjacent RC buildings with asymmetric alignment”, Recent Trends in Civil Engineering (Dasgupta K et al (eds.)),*Lecture Notes in Civil Engineering 97*, Springer Nature Switzerland, pp. 735-743. https://doi.org/10.1007/978-3-030-55115-5_67

20. Shreyasvi C, Venkataramana K (2020): “Seismic hazard estimation for Southwest India”, *Advances in Computer Methods & Geomechanics (A Prashant et al (eds.)), Lecture Notes in Civil Engineering 56, Springer Nature Singapore, pp. 207-220.* https://*doi.org/10.1007/978-981-15-0890-5_18*

21. Shreyasvi C, Badira Rahmath N and Venkataramana K (2020): “Influence of variabilities of input parameters on seismic site response analysis”, *Advances in Computer Methods & Geomechanics (A Prashant et al (eds.)), Lecture Notes in Civil Engineering 56*, Springer Nature, pp. 233-244. https://*doi.org/10.1007/978-981-15-0890-5_20*

22. Kawano K., Venkataramana K. and Taniguchi T. (1998): “Approximate Evaluations on Dynamic Responses of Offshore Structures”, *Structural Safety and Reliability*, Edited by N Shiraishi et al., A.A. Bulkema, Rotterdam, Vol.3, pp.1987-1993.

23. Venkataramana K., Kawano K. and Taniguchi T. (1998): “Earthquake response and reliability analysis of offshore structures”, *Structural Safety and Reliability*, Edited by N Shiraishi et al., A.A. Bulkema, Rotterdam, Vol.3, pp.2029-2036.

24. Kawano, K. and Venkataramana, K. (1997): “Dynamic analysis of offshore structures under seismic loading considering fluid-structure-soil interaction”, Book Title: *Theory of Earthquake Resistant Structural Design*, Edited by Yamada, Y., Kyoto University Press, Total Pages: 420 (in Japanese).

Research Publications in International Journals

25. Nimisha P, Jayalekshmi B R and Venkataramana K (2022): “Slosh damping in rectangular liquid tank with additional blockage effects under pitch excitation”, *Journal of Fluids Engineering*, ASME, Paper No: FE-22-1225. (online publication) https://doi.org/10.1115/1.4054959

26. Nimisha P, Jayalekshmi B R and Venkataramana K (2022): “Parametric study on frequency characteristics of cylindrical liquid tanks*”, Journal of IE(I) Series A*, Springer, pp.1-9 (online publication) https://doi.org/10.1007/s40030-022-00646-0

27. Nimisha P, Jayalekshmi B R and Venkataramana K (2022): “Effective configuration of perforated baffle plate for efficient slosh damping in liquid retaining tanks under lateral excitation”, *Ocean Engineering*, Elsevier Vol. 259, 111855, pp.1-13. (online publication) https://doi.org/10.1016/j.oceaneng.2022.111855

28. Sreya M V, Jayalekshmi B R and Venkataramana K (2022): “Seismic Response of buildings resting on soil isolated With EPS geofoam buffer”, *International Journal of Geotechnical Earthquake Engineering*, *IGI Global*, Vol.13, No.1, pp.1-18 (online publication). DOI: 10.4018/IJGEE.298987

29. Sreya M V, Jayalekshmi B R and Venkataramana K (2022): “Pore water pressure analysis in coir mat-reinforced soil incorporating soil-structure interaction”, *International Journal of Geosynthetics and Ground Engineering, Springer Nature Switzerland*, Vol.8, No.11, pp.1-21 (online publication).

https://doi.org/10.1007/s40891-022-00354-6

30. Sreya M V, Jayalekshmi B R and Venkataramana K (2022): “Effect of Coir Reinforced Soil on the Seismic Response of RC Framed Buildings”, *Indian Geotechnical Journal, Springer Nature*, pp.1-22 (online publication).
https://doi.org/10.1007/s40098-021-00593-w

31. Archana J Satheesh, Jayalekshmi B R, Venkataramana K, (2020): “Effect of in-plan eccentricity on vertically stiffness irregular buildings under earthquake loading”, *Soil Dynamics and Earthquake Engineering*, Elsevier, Vol. 137, pp.1-17 (online publication).
https://doi.org/10.1016/j.soildyn.2020.106251

32. Nimisha P, Venkataramana K and Jayalekshmi B R (2019): “An Overview of Acoustic Modelling and Seismic Design Guidelines of Liquid Storage Tanks”, *International Journal of Applied Engineering Research,* ISSN 0973-4562 Volume 14, Number 12, pp.171-175.

33. Shubha Javagal, Raju J and Venkataramana K (2019): “A comparative study of the behavior of CFRP and GFRP laminates in a plate specimen using modified virtual crack closure technique (MVCCT)”, Procedia Structural Integrity, Vol 14, pp.907-914.
https://doi.org/10.1016/j.prostr.2019.07.070

34. Shreyasvi C, Venkataramana K and Chopra S (2019): “Local site effect incorporation in probabilistic seismic hazard analysis – A case study from southern peninsular India, an intraplate region”, *Soil Dynamics and Earthquake Engineering*, *Elsevier*, Volume 123, pp.381-398.
https://doi.org/10.1016/j.soildyn.2019.04.035

35. Shreyasvi C, Venkataramana K, Chopra S and Rout M M (2019): “Probabilistic seismic hazard assessment of Mangalore and its adjoining regions, a part of Indian Peninsular: an intraplate region”, *Pure and Applied Geophysics, Springer Nature Switzerland AG*, pp.1-35. (online publication).
https://doi.org/10.1017/s00024-019-02110-w

36. Vajreshwari Umachagi and Venkataramana K (2019): “X Plate damper for seismic response control of building”, *Journal of Water Resource Engineering & Management*, ISSN:2349-4336, Vol.6, No.1, STM Journals 2019, pp.19-23.

37. Archana J. Satheesh, Jayalekshmi B R and Venkataramana K (2019) : “Effect of in-plan eccentricity in vertically mass irregular RC framed buildings under seismic loads”, *Asian Journal of Civil Engineering* ISSN 1563-0854, pp. 1-16 (online publication) DOI 10.1007/s42107-019-00138-w

38. Shetty A, Venkataramana K and Babu Narayan K S (2018): “Effect of accelerated corrosion on RC members”, *International Journal of Advances in Mechanical and Civil Engineering*, ISSN: 2394-2827, Volume 5, Issue 5, Oct-2018, pp.44-47.

39. Jobil Varghese, Freeda Christy and Venkataramana K (2018): “Offshore wind energy potential along Indian coast”, *International Journal of Civil Engineering & Technology (IJCIET)*, Volume 9, Issue 7, ISSN Print: 0976-6308 and ISSN Online: 0976-6316, pp.1480-1486.
(http://www.iaeme.com/ijciet/issues.asp?JType=IJCIET&VType=9&IType=7)

40. Swathi S, Venkataramana K and Rajasekaran C (2018):” Evaluation of Performance Point of Structure Using Capacity Spectrum Method”, *Applied Mechanics and Materials*, *Trans Tech Publications, Switzerland*, ISSN: 1662-7482, Vol. 877, pp 299-304. doi:10.4028/www.scientific.net/AMM.877.299

41. Pradeep Kumar Pandre and Venkataramana K (2017):”Optimum location of shear walls in multi-storey building”, *International Journal of Engineering & Advanced Technology (IJEAT), ISSN:2249-8958,* Vol.7, pp.212-215.

42. Nissin Ann Mathew and Venkataramana K (2017):”Earthquake response of structures with sliding base

isolation", *International Journal of Engineering & Advanced Technology (IJEAT), ISSN:2249-8958,* Vol.7, pp.196-198.

43. Sameeha Latheef and Venkataramana K (2017):" Investigation on reduction of seismic response of a chimney due to tuned mass damper", *International Journal of Engineering & Advanced Technology (IJEAT), ISSN:2249-8958,* Vol.7, pp.199-201.

44. Bhavana Patel S S, Babu Narayan K S and Venkataramana K, (2016): "Strategy for refinement of nodal densities and integration cells in EFG technique", *Structural Engineering and Mechanics,* Vol.59, No.5 (2016), pp.901-920. (DOI: http://dx.doi.org/10.12989/sem.2016.59.5.901)

45. Shetty A, Venkataramana K and Babu Narayan K S (2015): "Studies on load deflection behavior of corroded RC beams", *ICI Journal*, (July-Sept 2015), pp.9-17.

46. Ajay R Prabhu, Premanand Shenoy and Venkataramana K (2015): "Assessment of fundamental natural period of RCC buildings", *International Journal of Engineering and Technical Research (IJETR*) ISSN: 2321-0869, Vol. 3, Issue 7, (July 2015), pp.276-279.

47. Aruna D, Rajendra Prabhu, Yaragal S C and Venkataramana K (2015): "Studies on usage potential of broken tiles as part replacement to coarse aggregates in concretes", *International Journal of Research in Engineering and Technology*, Vol.4, Issue 7 (July 2015), pp.110-114.

48. Shetty A, Venkataramana K and Babu Narayan K S (2015): "Experimental and numerical investigation on flexural bond strength behavior of corroded NBS RC beam", *International Journal of Advanced Structural Engineering*, Springer, DOI 10.1007/s40091-015-0093-6, (May 2015), pp.1-6.

49. Premanand Shenoy, Babu Narayan K S and Venkataramana K (2015): **"**Perfect Nodal Position Search Method for Optimum Design of Trusses" , International Journal of Engineering and Technical Research (IJETR) ISSN: 2321-0869, Vol. 3, Issue 2, (February 2015), pp.193-200.

50. Shetty A, Venkataramana K and Babu Narayan K S (2014): "Effect of corrosion on flexural bond strength", *Journal of Electrochemical Science and Engineering*, Vol. 4, No. 3 (2014), pp. 123-134.

51. Shetty A, Venkataramana K and Babu Narayan K S (2014): "Experimental investigation on corroded NBS RC beams", *Journal of Civil Engineering Technology and Research,* Vol.2, No.1 (2014), pp.1-6.

52. Bhavana Patel S S, Babu Narayan K S and Venkataramana K, (2014): "Modeling high stress gradients in plates by meshfree method", *Journal of Civil Engineering Technology and Research,* Vol.2, No.1 (2014), pp.71-76.

53. Thomas Tamut, Rajendra Prabhu, Venkataramana K and Yaragal S C (2014): "Partial replacement of coarse aggregates by expanded polystyrene beads in concrete", *International Journal of Research in Engineering and Technology*, Vol.3, Issue 2 (2014), pp.238-241.

54. Pandit P, Venkataramana K and Babu Narayan K S (2014): "Experimental and numerical investigation of flexuaral behavior of accelerated corroded beams", *Journal of Civil Engineering Technology and Research*, Vol.2, No.1 (2014), pp.429-440.

55. Shetty A, Venkataramana K and Babu Narayan K S (2014): "Flexural bond strength behavior in OPC concrete of NBS beam for various corrosion levels", *Structural Engineering and Mechanics, Techno-Press Ltd*, Vol.49, No.1, pp.81-93.

56. Bhavana Patel S S, Venkataramana K, Babu Narayan K S, Bhagyashri Parla and Kimura Y (2014): "Structural health monitoring techniques in civil engineering : an overview", *International Journal of Earth Sciences and Engineering*, Vol.7, No.01, February 2014, pp. 305-312.

57. Poornachand Pandit, Venkataramana K, Babu Narayan K S, Bhagyashri Parla and Kimura Y. (2014): "Experimental studies on the effects of corrosion on the flexural strength of RC beams", *International Journal of Earth Sciences and Engineering*, Vol.7, No.01, February 2014, pp. 320-324.

58. Pandit P, Ansal V, Venkataramana K and Parthiban P, (2013): "Experimental investigation on corroded reinforced concrete beam in coastal environment using strain gauges", *International Journal of Engineering and Innovative Technology (IJEIT),* Vol.5, No.3, November 2013, pp. 416-422.

59. Jaselia C M, Jayalekshmi B R and Venkataramana K (2013): "Modelling of masonry infills – A review", American Journal of Engineering Research (AJER), e-ISSN:2320-0847, p-ISSN:2320-0936, (open access journal), pp.59-63.

60. Jayalekshmi B R, Deepthi Poojari V G, Venkataramana K and Shivashankar R (2013): "Seismic response analysis of reinforced concrete frames including soil flexibility", *Structural Engineering and Mechanics, Techno-Press Ltd*, Vol.48, No.1, pp1-16.

61. Amitha S B, Chethan K, Bhavanishankar S, Annapurna B P, Venkataramana K and Ramesh Babu R (2013): "Studies on the dynamic characteristics of monolithic RC wall panels", *International Journal of Earth Sciences and Engineering*, Vol.6, No.04, August 2013, pp. 643-648.

62. Unnikrishnan S, Narasimhan M C and Venkataramana K (2013): "Effect of containment reinforcement on the seismic response of box type laterite masonry structures – an analytical evaluation", *Earthquakes and Structures, Techno-Press Ltd*, Vol.5, No.1, July 2013, pp,67-81.

63. Shetty A, Venkataramana K, Babu Narayan K S and Kimura Y (2013): "Bond strength behavior in reinforced concrete members exposed to corrosive environment – An overview", *International Journal of Earth Sciences and Engineering*, Vol.6, No.03, June 2013, pp. 530-535.

64. Prashanth M H, Babu Narayan K S, Venkataramana K and Sajith M (2013): "Experimental investigation of RC frames using CFRP sheets", *International Journal of Earth Sciences and Engineering,* Vol.6, No.03, June 2013, pp. 541-545.

65. Shetty A, Venkataramana K and Babu Narayan K S (2013). "Effect of Corrosion on Load Deflection Behaviour of OPC concrete in NBS Beam", *International Journal of Scientific and Engineering Research,* Volume 4, Issue 5, May 2013, pp. 111-114.

66. Prabhu K R, Yaragal S C and Venkataramana K (2013). "In pursuit of alternative ingredients to cement concrete construction", *International Journal of Research in Engineering & Technology*, Vol.2, Issue 3, pp.404-410.

67. Shetty A, Venkataramana K and Babu Narayan K S (2013). "Effect of corrosion on degradation of RC members", *International Review of Applied Engineering Research*, Vol.3, No.1, pp. 55-66.

68. Srujana N, Ramesh Babu and Venkataramana K (2012): Full scale experiment and finite element modeling of support structures of substation equipment for evaluation of ground motion amplification", *International Journal of Earth Sciences and Engineering*, Vol.5, No.5(01), October 2012, pp. 1394-1399.

69. Unnikrishnan S, Narasimhan M C and Venkataramana K (2012): "Free vibration studies of box type laterite masonry structures", *Journal of Structural Engineering, SERC*, Vol.39, No.3, August-Sept 2012, pp.332-346.

70. Tamizharasi G, Ajit Kamath Manohar, Kaustav Sengupta, Venkataramana K and Umesh G (2012). "Magnetorheological Dampers – An overview", *International Journal of Earth Sciences and Engineering*, Vol.5, No.4(02), August 2012, pp. 1068-1072.

71. Pandit P, Shetty A, Venkataramana K, Babunarayan K S and Gogoi I, Pravenn B B, Mahesha, Naik S and Sedamkar A, (2012): "Experimental investigations on the flexural strength of reinforced concrete",

International Journal of Earth Sciences and Engineering, Vol.5, No.4(02), August 2012, pp. 1042-1045.

72. Shetty A, Venkataramana K and Gogoi I (2012). "Performance evaluation of rebar in accelerated corrosion by gravimetric loss method", *International Journal of Earth Sciences and Engineering*, Vol.5, No.1, pp. 154-159.

73. Shetty A, Venkataramana K, Gogoi I and Praveen B B (2012), "Performance enhancement of TMT rebar in accelerated corrosion", *Journal of Civil Engineering Research*, 2(1), 14-17.

74. Shetty A, Venkataramana K, Gogoi I (2012). "Effect of Corrosion on Bond Strength of RC Members", *Proc. of National Conference on Contemporary Civil Engineering Research & Practices (CCERP-2012)*, held at MIT, Manipal (India) during April 20-21, 2012, pp.683-690.

75. Babu Narayan K S, Vinay Kumar G, Yaragal S C and Venkataramana, K (2011). "Strength retention studies on normal concrete and self-compacting concrete subjected to elevated temperatures", *International Journal of Earth Sciences and Engineering*, Vol.4, No.7 (special issue) – November 2011, pp. 372-376.

76. Chethan K, Ramesh Babu R, Venkataramana K and Sharma A (2011). "Studies on the influence of infill on the dynamic characteristics of reinforced concrete frames", *International Journal of Earth Sciences and Engineering*, Vol.4, No.5 (special issue) – September 2011, pp. 112-120.

77. Nagamura K, Kobayashi I and Venkataramana K (2011). "Conservation of civil engineering heritage in Japan", *International Journal of Earth Sciences and Engineering*, Vol.4, No.5 (special issue) – September 2011, pp. 152-160.

78. Chinnagiri Gowda H C, Babunarayan, K S and Venkataramana, K (2011). "Performance appraisal of RC beams using welded wire fabrics as lateral reinforcement in seismic zones", *International Journal of Earth Sciences and Engineering, Vol.4, No.5 (special issue) – September 2011, pp. 174-181.*

79. Yaragal S C, Warad S A, Babu Narayan K S and Venkataramana K, (2011). "Characteristics of normal strength concrete with and without chemical admixtures at elevated temperatures", *International Journal of Earth Sciences and Engineering*, Vol.4, No.5 (special issue) – September 2011, pp. 196-200.

80. Shanthala B, Subba Rao and Venkataramana K (2011). "Time history analysis of berthing structure including soil-structure interaction", *International Journal of Advances in Science and Technology*, UK, Vol.3, No.2, pp. 77-85.

81. Shetty A, Gogoi I and Venkataramana K (2011). "Effect of loss of bond strength due to corrosion in reinforced concrete members", *International Journal of Earth Sciences and Engineering,* Vol.4, No.6 (special issue) – October 2011, pp. 879-884.

82. Unnikrishnan S, Narasimhan M C and Venkataramana K (2011). "Studies on uniaxial compressive strength of laterite masonry prisms", *International Journal of Earth Sciences and Engineering,* Vol.4, No.2 – April 2011, pp. 336-350.

83. Shanthala B, Subba Rao, Venkataramana K and Harish (2011). "Analysis of berthing structures for wave induced forces", *International Journal of Earth Sciences and Engineering,* Vol.4, No.1 – February 2011, pp. 112-121.

84. Babu Narayan K S, Anil Kumar G, Chandrakala C, Shahikumar H M, Venkataramana K, Yaragal S C, Chinnagiri Gowda H C, Reddy G R and Akanshu Sharma (2010). "Studies on concrete cylinders subjected to elevated temperatures", *International Journal of Earth Sciences and Engineering,* Vol.3, No.4 – Special issue, July 2010, pp.691-698.

85. Monika Thapa, Babu N K S, Halemane K P, Venkataramana K, Yaragal S C, Ramesh Babu, R, Akanshu Sharma and Reddy G R (2010). "Significance of modeling techniques in pushover analysis

of RC buildings", *International Journal of Earth Sciences and Engineering,* Vol.3, No.4 – Special issue, July 2010, pp.699–709.

86. Yaragal S C, Clarke K S, Mahesh B K, Ashok Kumar S, Venkataramana, K, Babu N K S, Chinnagiri Gowda H C, Reddy G R and Akanshu Sharma (2010). "Strength retention characteristics of concrete cubes subjected to elevated temperatures", *International Journal of Earth Sciences and Engineering,* Vol.3, No.4 – Special issue, July 2010, pp.789-797.

87. Chethan K, Ramesh Babu R, Venkataramana K and Sharma A (2010). "Influence of masonry Infill on fundamental frequency of 2D RC frames", *Proc. of Journal of Structural Engineering, SERC-Chennai,* Vol.37, No.2, (June-July 2010) pp.135-141.

88. Jayalekshmi B R, Venkataramana K, and Shivashankar R (2010). "Dynamic soil structure interaction effects on multistoreyed structures", *International Journal of Earth Sciences and Engineering,* Vol.3, No.2 – Special issue, March 2010, pp.47-58.

89. Prashanth M H, Chinnagiri Gowda H C, Babu Narayan, K S and Venkataramana, K, (2010) "Performance Enhancement of RC Frames using Welded Wire fabrics – AN Experimental Investigation", *International Journal of Earth Sciences and Engineering,* Vol.3, No.1, February 2010, pp.108-115.

90. Babu Narayan, K S, Chinnagiri Gowda H C, Venkataramana, K, and Yaragal S C (2009) "Enhancement of carrying capacity and ductility of R.C.Columns with welded wire fabrics as lateral reinforcements for potential application in seismic zones and under fire load-An experimental investigation", *International Journal of Earth Sciences and Engineering,* Vol.2, No.2, pp.154-158.

91. Jayalekshmi, B R, Venkataramana, K, and Shivashankar, R (2009) "Seismic response of space frames with isolated footing on layered soil", *International Journal of Earth Sciences and Engineering,* Vol.2, No.1, pp. 68-72.

92. Dwarakish G S, Vinay S A, Usha Nateshan,Toshiyuki Asano, Taro kakinuma, Katta Venkataramana, B Jagadeesha Pai and M K Babita (2009): "Coastal vulnerability assessment of the future sea level rise in Udupi coastal zone of Karnataka state, west coast of India", *Ocean & Coastal Management, Elsevier,* Vol.52, pp.467-478.

93. Venkataramana, K, and Peethala, S.S. (2007) "Comprehensive revision of Building Byelaws – A case of Mangalore City", *Asian Disaster management News – Special Issue on Emerging Risks and Approaches for Reducing Vulnerability of the Urban Built Environment,* May-August 2007, pp.22-24.

94. Babunarayan, K S and Venkataramana, K (2007) "Shape optimization of steel reinforced concrete beams", *Computers and Concrete – An International Journal*, Vol.4, No.4, pp.317-330.

95. Kawano K. and Venkataramana K. (1999): "Dynamic response and reliability analysis of large offshore structures", *Computer Methods in Applied Mechanics and Engineering,* Elsevier Science, Vol.168, No.1-4, pp.255-272.

96. Cotte M., Totsuka S., Venkataramana K. and Koyabashi I. (1999): "Restoring and reusing historical bridges in Kyushu island", *Industrial Patrimony: resources, practices, cultures, (Published by The International Committee for the Conservation of the Industrial Heritage)*, pp.109-118.

97. Venkataramana K. and Kawano K. (1996): "Parametric uncertainties for dynamic response evaluation of offshore structures", *Journal of Computational Mechanics*, Vol.18, No.6, pp.454-463.

98. Toyoda S., Nagamatsu T., Venkataramana K. and Aikou Y. (1995): "An experimental investigation of junction flow around a strut mounted on a flat plate", *Transactions of the West-Japan Society of Naval Architects*, No.89, pp.33-40 (in Japanese).

99. Venkataramana K., Kawano K. and Komasa T. (1995): "Uncertain parameter effects on reliability of

offshore platform", *Journal of Structural Engineering*, JSCE, Vol.41A, pp.779-786.

100. Venkataramana K. (1994): "Earthquake response of tension leg platforms in steady currents", *Earthquake Engineering and Structural Dynamics*, Vol.23, pp.63-74.

101. Kawano K., Yamada Y., Venkataramana K. and Iida T. (1991): "Dynamic interaction analysis of offshore platform due to random wave forces", *Journal of Structural Engineering*, JSCE, Vol.37A, pp.1489-1496 (in Japanese).

102. Venkataramana K. and Yoshihara S. (1989): "Hydrodynamic coefficients for flexible offshore columns by wave diffraction techniques", *Applied Ocean Research*, Vol.11, No.1, pp.51-56.

103. Kawano K., Yamada Y., Iemura H. and Venkataramana K. (1989): "Seismic response effects on offshore structure in random sea", *Journal of Structural Engineering*, JSCE, Vol.35A, pp.851-859 (in Japanese).

104. Yamada Y., Iemura H., Kawano K. and Venkataramana K. (1989): "Seismic response of offshore structures in random seas", *Earthquake Engineering and Structural Dynamics*, Vol.18, pp.965-981.

105. Kawano K., Yamada Y., Iemura H. and Venkataramana K. (1989): "Seismic response effects on offshore structures in random sea", *IITT - International Technology Transfer Series*, Modal and Seismic Analysis, Large Deformation, pp.167-172.

106. Yamada Y., Iemura H., Venkataramana K. and Kawano K. (1988): "Dynamic response analyses of offshore structures due to ocean wave and earthquake excitation", *Journal of Structural Engineering*, JSCE, Vol. 34A, pp.973-982 (in Japanese).

107. Kawano K., Yamada Y. and Venkataramana K. (1988): "Dynamic response analysis of soil-offshore structure systems", *Computers and Structures*, Vol.30, No.3, pp.581-586.

108. Yamada Y., Kawano K., Iemura H. and Venkataramana K. (1988): "Wave and earthquake response of offshore structures with soil-structure interaction", *Proc. of JSCE, Structural Engineering/Earthquake Engineering*, Vol.5, No.2, pp.361s-370s.

109. Venkataramana K., Yoshihara S. and Yamada Y. (1988): "Hydrodynamic coefficients for slender circular columns oscillating under sinusoidal wave action", *Proc. of JSCE, Hydraulic and Sanitary Engineering*, No.399/II-10, pp.185-191.

Research Publications in National Journals

110. Ravikumar C M, Babu Narayan K S, Venkat Reddy and Venkataramana K (2013): "Probabilistic format for seismic risk analysis of RC buildings in the Indian context", *The IUP Journal of Structural Engineering*, Vol.6, No.4, October 2013, pp.7-22.

111. Shetty A, Venkataramana K, Babu Narayan K S and Reddy G R (2013): "Experimental investigation on effect of corrosion in reinforced concrete beams", *Built Expressions*, Vol.2, No.10, October 2013, pp.52-57.

112. Srujana N, Paneer Selvam R, Ramesh Babu R and Venkataramana K (2013): "Shake table experiments of surge arrester for evaluation of ground motion amplification", *The Journal of CPRI,* Vol.9, No.3, September 2013, pp.183-190.

113. Chinnagiri Gowda H C, Babunarayan K S and Venkataramana K (2013) "Performance of RC columns with welded wire fabric as lateral reinforcement after exposure to elevated temperature", *House Bulletin of ACCE(I) Mangalore Chapter*, Vol.2, No.1, pp.8-11.

114. Srujana N, Ramesh Babu R and Venkataramana K (2012): "Seismic performance of 245kV current transformer", *The Journal of CPRI,* Vol.8, No.3, September 2012, pp.185-190.

115. Shetty A and Venkataramana K. (2012): "Corrosion effects on bond strength and load carrying capacity of RC members: An experimental investigation", *Annual Research Journal, NMAM Institute of Technology*, Nitte, India, Vol.2 , June 2012, pp.1-4.

116. Chethan K, Ramesh Babu R, Venkataramana K and Akanshu Sharma (2009): "Study on Dynamic Characteristics of 3D Reinforced Concrete Frame with Masonry Infill", *Journal of CPRI*, Vol.5, No. 2, September 2009, pp 11-18.

117. Ravikumar, C.M., Babu Narayan, K.S., Venkataramana, K. and Venkat Reddy, D. (2005): "Assessment of strength of existing concrete structures by nondestructive testing", *Civil Engineering & Construction Review*, May 2005, pp.43-48.

118. Venkataramana K. and Kawano K. (1995): "Nonlinear dynamics of offshore structures under sea wave and earthquake forces", *Academy Proceedings in Engineering Sciences* (Indian Academy of Sciences), Sadhana, Vol.20, Parts 2-4, pp. 501-512.

Research Publications in International Conference Proceedings

119. Sahana C M, Shreyasvi C and Venkataramana K (2022): "Estimation of seismic response of irregular buildings using artificial neural network", *Presented at the International Conference on Emerging Trends in Engineering, Management and Technology (ICETEMT-2022)*, held at Bengaluru during June 21-22, 2022, (Paper ID: ICETEMT-22CVE-02), pp.1-7.

120. Sushmitha Shettigar, Jayalekshmi B R and Venkataramana K (2020):" Response Analysis of Berthing Structure with Soil-Structure Interaction", *Proc. of International Conference on Civil Engineering Trends and Challenges for Sustainability, (CTCS 2020)*, held at NMAMIT, Nitte, Karkala, during Dec 22-23, 2020.

121. Shreyasvi C, Sumer Chopra and Venkataramana K (2020): "Influence of tectonic regime in the selection of ground motions for seismic site response analysis", *Proc. of 17th World Conference on Earthquake Engineering*, held at Sendai, Japan during September 13-18, 2020, Paper id – 1d-0104, pp. 1-8.

122. Anjana S Rao, Jayalekshmi B R and Venkataramana K (2019): "Seismic response of berthing structures with soil-structure interaction", *Proc. of 24th Hydro, International Conference* held at Osamania University Hyderabad during December 18-20, 2019, pp.466-475.

123. Sharika R and Venkataramana K (2019):"Effectiveness of Base Isolation using Single Friction Pendulum in Plan Irregular Structures", *Proc. of International Conference on Civil Engineering Trends and Challenges for Sustainability*, (CTCS 2019), held at NMAMIT, Nitte, Karkala, during May 23-24, 2019.

124. Vincle Mable Vas, Prajwal Nagaraja and Venkataramana K (2019):"Effect of diaphragm discontinuity on the seismic response of RC building", *Proc. of International Conference on Civil Engineering Trends and Challenges for Sustainability, (CTCS 2019),* held at NMAMIT, Nitte, Karkala, during May 23-24, 2019.

125. Shreyasvi C and Venkataramana K (2019): "Mapping of seismic hazard parameters for Karnataka – a southern state of India", *Proc. of the 8th International Engineering Symposium 2019 (IES2019)*, held at Kumamoto University, Japan, during March 13-15, 2019, pp.K4-1 to K4-7.

126. Anjana S Rao, Jayalekshmi B R and Venkataramana K (2019): "Effect of SSI on Structural Response of Berthing Structures", *Proc. of the 8th International Engineering Symposium 2019 (IES2019)*, held at Kumamoto University, Japan, during March 13-15, 2019. pp.C5-1-1 to C5-1-7.

127. Archana J Satheesh, Jayalekshmi B R and Venkataramana K (2019): "Torsional Behaviour of Buildings with Vertical Stiffness Irregularity under Earthquake Load", *Proc. of the 8th International Engineering Symposium 2019 (IES2019)*, held at Kumamoto University, Japan, during March 13-15, 2019. pp.C6-5-1 to C6-5-6.

128. Sreya M V, Jayalekshmi B R and Venkataramana K (2019): "A review of Experimental Studies on Geosynthetic Reinforced Pile Supported Railway Embankments", *Proc. of the 8th International Engineering Symposium 2019 (IES2019)*, held at Kumamoto University, Japan, during March 13-15, 2019. pp.C6-6-1 to C6-6-7.

129. Nimisha P, Jayalekshmi B R and Venkataramana K (2019): "An Overview of Dynamic Analysis of Water tanks", *Proc. of the 8th International Engineering Symposium 2019 (IES2019)*, held at Kumamoto University, Japan, during March 13-15, 2019. pp.C6-9-1 to C6-9-8.

130. Pradeep Kumar Pandre, Shreyasvi C and Venkataramana K (2018): "Seismic performance assessment of buildings located on a sloping ground", *Proceedings of the 17th International Symposium on new technologies for urban safety of mega cities in Asia*, held at IIIT Hyderabad, dyuring December 12-14, 2018. (Paper No. 52)

131. Akshatha Shetty, Venkataramana K and Babu Narayan K S (2018): "Effect of accelerated corrosion on RC members", *Proc. of 123rd IRES International Conference*, held at Sydney, Australia, during July 5-6, 2018, pp.50-53.

132. Shreyasvi C and Venkataramana K (2018): "Spatial variation of seismic hazard for south west India", *Proc of the 16th Symposium on Earthquake Engineering,* held at IIT Roorkee during December 20-22, 2018, paper No.214

133. Archana J Satheesh, Jayalekshmi B R and Venkataramana K (2018): "Torsional response of vertically irregular building frames", Proc of the 16th Symposium on Earthquake Engineering, held at IIT Roorkee during December 20-22, 2018, paper No.173.

134. Shubha Javagal, Raju A and Venkataramana K (2018): "Study of delamination behaviour of polymer composites with geometrical variations using virtual crack closure technique", *Proc. of 7th International Engineering Symposium*, held at Kumamoto University, Japan during March 7-9, 2018, pp.C3-2-1 to C3-2-6.

135. Akshatha Shetty, Venkataramana K and Babu Narayan K S (2018): "Flexural behaviour of corroded RC beam using finite element analysis", *Proc. of 7th International Engineering Symposium*, held at Kumamoto University, Japan during March 7-9, 2018, pp.C1-4-1 to C1-4-5.

136. Nissin Ann Mathew, Seethu K and Venkataramana K (2018): "Base Isolation using Sliding Friction Pendulum and Laminated Rubber Bearing Isolator - A Comparative Study", *Proc. of 7th International Engineering Symposium*, held at Kumamoto University, Japan during March 7-9, 2018, pp.C4-2-1 to C4-2-4.

137. Shreyasvi C and Venkataramana K (2018): "Probabilistic seismic hazard analysis of coastal Karnataka and its surrounding area", Proc. of 2nd International Conference on Advances in Concrete, Structural and Geotechncial Engineering, held at BITS Philani, during February 26-28, 2018, pp.693-697.

138. Seethu K and Venkataramana K (2017): “Seismic response of buildings with confined masonry construction: a review”, *Proc. of 6th International Engineering Symposium*, held at Kumamoto University, Japan during March 1-3, 2017, pp.C4-51 to 4-54.

139. Bindhya K V and Venkataramana K (2017): “A study on FEMA P58: Next generation building seismic performance assessment methodology”, *Proc. of 6th International Engineering Symposium*, held at Kumamoto University, Japan during March 1-3, 2017, pp.C4-61 to C4-65.

140. Shreyasvi C and Venkataramana K (2017): “A Review on Probabilistic Methods in Seismic Hazard Analysis”, *Proc. of 6th International Engineering Symposium*, held at Kumamoto University, Japan during March 1-3, 2017, pp.C2-51 to C2-57.

141. Haseena Mumthas M and Venkataramana K (2017): “Recent Developments in the Performance-Based Seismic Design”, *Proc. of 6th International Engineering Symposium*, held at Kumamoto University, Japan during March 1-3, 2017, pp.C4-71 to C4-76.

142. Archana J Satheesh, Jayalekshmi B R and Venkataramana K (2017): “Torsional response of buildings with plan irregularity under seismic loading”, *Proc. of ICGCSC 2017*, MITE, India held during March 17-18, 2017, pp.78-81

143. Shreyasvi C and Venkataramana K (2017): “A study on seismicity of coastal areas in Karnataka”, *Proc. of ICGCSC 2017*, MITE, India held during March 17-18, 2017, pp.115-121.

144. Seethu K and Venkataramana K (2017): “Seismic response of structures with base isolation”, *Proc. of ICGCSC 2017*, MITE, India held during March 17-18, 2017, pp.257-262.

145. Smrithi Sohan, Jayalekshmi B R and Venkataramana K (2017): “Seismic response of tall RCC buildings with mass irregularity”, *Proc. of ICGCSC 2017*, MITE, India held during March 17-18, 2017,pp.283-288.

146. Madhura Harisangam and Venkataramana K (2016): “Seismic retrofitting of historic structures”, *Proc. of 5th International Engineering Symposium*, March 2-4, 2016, Kumamoto University, Japan, Paper No. K2-1, pp.K211-K215.

147. Kausalya G, Ashwin U, Ashok Kumar S, Raja S and Venkataramana K (2016): “Detection of damage in curved plate structures using lamb waves and geodesic distances”, *Proc. of 5th International Engineering Symposium*, March 2-4, 2016, Kumamoto University, Japan, Paper No. C1-1, pp.C111-C116.

148. Radhika Harshini V, Ashwin U, Raja S, Venkataramana K, and Sathyanarayana C N (2016): “Studies on wave propagation in stiffened plate structures”, *Proc. of 5th International Engineering Symposium*, March 2-4, 2016, Kumamoto University, Japan, Paper No. C1-2, pp.C121-C126.

149. Deepa Venugopalan and Venkataramana K (2016): “Dynamic response of masonry infill panels under earthquake loading”, *Proc. of 5th International Engineering Symposium*, March 2-4, 2016, Kumamoto University, Japan, Paper No. C4-2, pp.C421-C426.

150. Eswar Reddy R and Venkataramana K (2016): “Seismic response of asymmetric structures”, *Proc. of 5th International Engineering Symposium*, March 2-4, 2016, Kumamoto University, Japan, Paper No. C4-5, pp.C451-C455

151. Upadhyay S G and Venkataramana K (2016): “A study on seismic analysis of structures”, *Proc. of 5th International Engineering Symposium*, March 2-4, 2016, Kumamoto University, Japan, Paper No. C5-5, pp.C551-C556.

152. Sharada K, Anjana Bhasi and Venkataramana K (2016): “Effect of rice husk ash on Shedi soil”, *Proc.*

of 5th International Engineering Symposium, March 2-4, 2016, Kumamoto University, Japan, Paper No. C5-6, pp.C561-C565.

153. Binita Thapa and Venkataramana K (2016): "Living with the risk: Nepal earthquake 2015 ", *Proc. of 5th International Engineering Symposium*, March 2-4, 2016, Kumamoto University, Japan, Paper No. C7-1, pp.C711-C716.

154. Swathi S and Venkataramana K (2016): "The Nepal earthquake 2015 – a case study", *Proc. of 5th International Engineering Symposium*, March 2-4, 2016, Kumamoto University, Japan, Paper No. C7-2, pp.C721-C726.

155. Jessiya Thasneem, Venkataramana K, Ramesh babu R, Nayana V, Bindhya K V and Swathi S (2016): "Seismic response control of steel structures using dampers", Proc. of International Conference on Innovative Trends in Civil Engineering for Sustainability (ICICES 2016), January 8-9, 2016, TIST, Ernakulam, India, pp.16-23.

156. Premanand Shenoy, Babu Narayan K S and Venkataramana K (2015): "Structural optimization by successive correlation to nodal positions", Proc. of 2nd International Conference on Emerging Trends in Mechanical Engineering (ICETME), September 3-5, 2015, TIST, Ernakulam, India, pp.197-201.

157. Premanand Shenoy, Babu Narayan K S and Venkataramana K (2015): "Structural optimization using perfect nodal position search method", *Proc. of 4th International Engineering Symposium*, March 4-6, 2015, Kumamoto University, Japan, Paper No. C1-5, pp.C151-C156.

158. Bhavana Patel S S, Babu Narayan K S and Venkataramana K (2015): "Effect of nodal displacement for a beam using MeshFree method", *Proc. of 4th International Engineering Symposium*, March 4-6, 2015, Kumamoto University, Japan, Paper No. C1-6, pp.C161-C164.

159. Vajrweshwari Umachangi, Manasa Bhat K I and Venkataramana K (2015): "Applications of shape memory alloy devices in vibration control of structures", *Proc. of 4th International Engineering Symposium*, March 4-6, 2015, Kumamoto University, Japan, Paper No. C2-5, pp.C251-C256.

160. Girish Kumar, Abhishek Salkar, Abhishek Master, Anan Bhattad, Venkataramana K and Rajendra Prabhu K (2015): "Durability of concrete in coastal areas (severe zone)", *Proc. of 4th International Engineering Symposium*, March 4-6, 2015, Kumamoto University, Japan, Paper No. C3-3, pp.C331-C336.

161. Catherin Jeselia M, Jayalekshmi B R and Venkataramana K (2015): "Earthquake response of masonry infill panels", *Proc. of 4th International Engineering Symposium*, March 4-6, 2015, Kumamoto University, Japan, Paper No. C2-6, pp.C261-C266.

162. Balakrishnan B, Divyadeb C M, Raja S and Venkataramana K (2015): "Structural and vibroacoustic analysis of aircraft fuselage section with passive noise reducing materials: A material performance study", *Proc. of 4th International Engineering Symposium*, March 4-6, 2015, Kumamoto University, Japan, Paper No. C8-1, pp.C811-C816.

163. Akshatha Shetty, Venkataramana K, Babu Narayan K S and Srinath Shetty (2015): "Potential application of experimental prediction equation in estimating the corrosion of RC structures", *Proc. of 4th International Engineering Symposium*, March 4-6, 2015, Kumamoto University, Japan, Paper No. C8-3, pp.C831-C835.

164. Jobil Varghese, Freeda Christy and Venkataramana K (2015): "Analysis of floating offshore wind turbine", *Proc. of 4th International Engineering Symposium*, March 4-6, 2015, Kumamoto University, Japan, Paper No. C8-5, pp.C851-C856.

165. Bhavana Patel S S, Babu Narayan K S and Venkataramana K (2015): "An overview of meshfree methods and its advancements", *Proc. of 4th International Engineering Symposium*, March 4-6, 2015,

Kumamoto University, Japan, Paper No. C8-6, pp.C861-C866.

166. Bhavana Patel S S, Babu Narayan K S and Venkataramana K (2015): "Meshfree methods for beam convergence", *Proc. of 4th International Engineering Symposium*, March 4-6, 2015, Kumamoto University, Japan, Paper No. C8-6, pp.C881-C884.

167. Bhavana Patel S S, Babu Narayan K S and Venkataramana K, (2014): "Adaptive Refinement of Nodal Distribution in MeshFree Method", *Proc. of International Conference on Theoretical, Applied, Computational and Experimental Mechanics* held at IIT Kharagpur, India during Dec 29-31, 2014, ICTACEM-2014/165, pp.1-12.

168. Chethan K, Ramesh Babu R and Venkataramana K (2014): Earthquake response characteristics of masonry infill panels", Proc. of the *3rd World Conference on Applied Sciences, Engineering & Technology,* held at Kathmandu, Nepal during September 27-29, 2014, pp. 25-30.

169. Bhavana Patel S S, Babu Narayan K S and Venkataramana K, (2014): "Meshfree methods for plate analysis", *Proc. of International Conference on Emerging Trends in Engineering (ICETE-2014)* held at Nitte, India during May 15-17, 2014, pp.21-26.

170. Shetty A, Venkataramana K and Babu Narayan K S (2014): "Corrosion effects on flexural bond strength of RC memebrs; An experimental investigation", *Proc. of International Conference on Emerging Trends in Engineering (ICETE-2014)* held at Nitte, India during May 15-17, 2014, pp.8-11.

171. Shetty A, Venkataramana K and Babu Narayan K S (2014): "Investigations on load carrying capacity of corroded NBS RC beam using Finite Element Method", *Proc. of International Conference on Innovations in Civil Engineering (ICICE-2014)* held in Kerala, India during May 8-9, 2014, pp.60-65.

172. Umachagi V, Venkataramana K, Reddy G R and Verma R (2013): "Applications of dampers for vibration control of structures: An overview,", *Proc. of International Conference on Recent Innovations in Civil Engineering*, held at Gulbarga, India during October 25-27, 2013, pp.109-116.

173. Shetty A, Venkataramana K and Babu Narayan K S and Gogoi I (2013). "Effect of corrosion on loss of composite action between steel and concrete", *Proc. of UKIERI Concrete Congress – Innovations in Concrete Construction*, held at Jalandhar, India during March 5-8, 2013, pp. 1427-1432.

174. Ravikumara H S, Prabhakara R and Venkataramana K (2013): "Investigations on short term creep behavior of different types of concretes", *Proc. of 3rd International Engineering Symposium*, March 4-6, 2013, Kumamoto University, Japan, Paper No. C1-4, pp.C141-C146.

175. Amitha S B, Chethan K, Bhavanishankar S, Annapurna B P, Venkataramana K and Ramesh Babu R (2013): "Studies on the dynamic characteristics of monolithic RC wall panels", *Proc. of 3rd International Engineering Symposium,* March 4-6, 2013, Kumamoto University, Japan, Paper No. C2-1, pp.C211-C216.

176. Ravikumara H S, Venkataramana K, Ramesh Babu R and Prabhakara R and (2013): "Seismic response of retrofitted 2D RC frames with masonry infill panels", *Proc. of 3rd International Engineering Symposium,* March 4-6, 2013, Kumamoto University, Japan, Paper No. C2-2, pp.C221-C226.

177. Bhavana Patel S S, Venkataramana K, Babu Narayan K S, Bhagyashri Parla and Vijaya Vishnu Mayya (2013): "Structural health monitoring techniques in civil engineering : an overview", *Proc. of 3rd International Engineering Symposium,* March 4-6, 2013, Kumamoto University, Japan, Paper No. C7-1, pp.C711-C718.

178. Poornachand Pandit, Venkataramana K, Babu Narayan K S and Bhagyashri Parla (2013): "Experimental studies on the effects of corrosion on the flexural strength of RC beams", *Proc. of 3rd International Engineering Symposium,* March 4-6, 2013, Kumamoto University, Japan, Paper No. C7-2, pp.C721-C724.

179. Srujana N, Ramesh Babu R and Venkataramana K (2012): "Seismic design of support structure", *Proc. of International Conference on Advances in Architecture and Civil Engineering (AARCV 2012*), held at MSRIT, Bangalore, during June 21-23, 2012, Vol.1, pp.250-253.

180. Poornachand pandit, Akshatha Shetty, Mahesha, Shivaprasad Naik, Venkataramana K, Babunarayan K S, Gogoi I and Chinnagiri Gowda (2012): "Accelerated test of concrete beams in coastal environment", *Proc. of International Conference on Advances in Architecture and Civil Engineering (AARCV 2012*), held at MSRIT, Bangalore, during June 21-23, 2012, Vol.1, pp.35-39.

181. Shetty A and Venkataramana K. (2012): "Corrosion effects on bond strength and load carrying capacity of RC members: An experimental investigation", *Proc. of International Conference on Emerging Trends in Engineering (ICETE-12)* held at NMAM Institute of Technology, Nitte, Karnataka, during May 15-16, 2012, pp.465-467.

182. Pandit P, Mahesha, Naik S, Shetty A, Venkataramana K, babunarayan K S and Gogoi I (2012):Load Carrying Capacity of OPC and PPC concrete Beams, *Proc. of International Conference on Emerging Trends in Engineering (ICETE-12)* held at NMAM Institute of technology, Nitte, Karnataka, during May 15-16, 2012, pp. 495-499.

183. Mohammed I, Ramesh Babu R, Venkataramana, K and Sharma A (2011). "Response characteristics of masonry infilled 3D RC frames under earthquake loading", Proc. 13th *Taiwan-Japan-Korea Joint Seminar on Earthquake Engineering for Building Structures (SEEBUS 2011),* held at Seoul during November 11-12, 2011. pp.49-57.

184. Kawano K, Nagafuchi K, Venkataramana K and Iida T (2011). "Reliability on offshore wind energy platform to dynamic forces", *Proc. 21st Int. Offshore and Polar Engineering Conference,* ISOPE, held at Hawaii, during June 19-24, 2011, pp.471-478.

185. Kawano, K, Venkataramana, K, Kimura Y and Nagafuchi K (2011). "Dynamic response evaluations of offshore wind energy platform with uncertainty", *Proc. of the 2011 World Congress on Advances in Structural Engineering and mechanics (ASEM'11*)* held at Seoul during September 18-22, 2011, pp. 729-742.

186. Jayalekshmi B R, Shivashankar R, Venkataramana K, Ramesh Babu R, Reddy G R, Parulekar Y M, Patil S J and Gudlapalli P (2011). "Shake table tests to investigate the efficacy of geomembranes for soil isolation in a space frame with isolated footing", *Proc of 13th Int. Conf. of the Int. Association for Computer Methods and Advances in Geomechanics – Computer Methods for Geomechanics: Frontiers and New Applications*, held during May 9-11, Melbourne, Australia, pp. 834-838.

187. Chethan K, Ramesh Babu R, Venkataramana K and Sharma A (2011). "Studies on the influence of infill on the dynamic characteristics of reinforced concrete frames", *Proc. of International Engineering Symposium, March 3-5, 2011, Kumamoto University, Japan, Paper No. C1-1, pp.C111-C118.*

188. Nagamura K, Kobayashi I and Venkataramana K (2011). "Conservation of civil engineering heritage in Japan", *Proc. of International Engineering Symposium, March 3-5, 2011, Kumamoto University, Japan, Paper No. C2-1, pp.C211-C218.*

189. Chinnagiri Gowda H C, Babunarayan, K S and Venkataramana, K (2011). "Performance appraisal of RC beams using welded wire fabrics as lateral reinforcement in seismic zones", *Proc. of International Engineering Symposium, March 3-5, 2011, Kumamoto University, Japan, Paper No. C2-4, pp.C241-C248.*

190. Yaragal S C, Warad S A, Babu Narayan K S and Venkataramana K, (2011). "Characteristics of normal strength concrete with and without chemical admixtures at elevated temperatures", *Proc. of International Engineering Symposium, March 3-5, 2011, Kumamoto University, Japan, Paper No. C3-2, pp.C321-C325.*

191. Babu Narayan K S, Vinay Kumar G, Yaragal S C and Venkataramana, K (2011). "Strength retention studies on normal concrete and self compacting concrete subjected to elevated temperatures", *Proc. of International Engineering Symposium, March 3-5, 2011, Kumamoto University, Japan, Paper No. C8-8, pp.C841-C845.*

192. Yaragal S C, Babu Narayan K S, Venkataramana K, Kulkarni K S, Chinnagiri Gowda H C, Sharma A and Reddy G R (2010). "Studies on characteristics of concrete cubes subjected to elevated temperatures", *Proc. of International Conference on Advances in Materials, Mechanics and Management, January 2010, Vol.1, pp.109-115.*

193. Chethan K, Venkataramana K, Babu Narayan K S, Chinnagiri Gowda, H C, Ramesh Babu, R, Akanshu Sharma and Reddy G R (2009). "Earthquake response characteristics of masonry Infill panels", *Proc. of International Conference on Advances in Concrete, Structural and Geotechncial Engineering (ASCGE -2009),* Paper No.KCH_S095, pp. 1-7.

194. Jayalekshmi B R, Venkataramana K, and Shivashankar R (2009). "Dynamic soil structure interaction effects on multistoreyed structures", *Proc. of International Conference on Advances in Concrete, Structural and Geotechncial Engineering (ASCGE -2009),* Paper No.BRJ_S094, pp. 1-10.

195. Monika Thapa, Babu Narayan K S, Halemane K P, Venkataramana K, Yaragal S C, Ramesh Babu, R, Akanshu Sharma and Reddy G R (2009). "Significance of modeling techniques in pushover analysis of RC buildings", *Proc. of International Conference on Advances in Concrete, Structural and Geotechncial Engineering (ASCGE -2009),* Paper No.KSB_S169, pp.1-10.

196. Babu Narayan K S, Anil Kumar G, Chandrakala C, Shahikumar H M, Venkataramana K, Yaragal S C, Chinnagiri Gowda H C, Reddy G R and Akanshu Sharma (2009). "Studies on concrete cylinders subjected to elevated temperatures", *Proc. of International Conference on Advances in Concrete, Structural and Geotechncial Engineering (ASCGE -2009),* Paper No.KSB_C329, pp.1-9.

197. Yaragal S C, Clarke K S, Mahesh B K, Ashok Kumar S, Venkataramana, K, Babu N K S, Chinnagiri Gowda H C, Reddy G R and Akanshu Sharma (2009). "Strength retention characteristics of concrete cubes subjected to elevated temperatures", *Proc. of International Conference on Advances in Concrete, Structural and Geotechncial Engineering (ASCGE -2009),* Paper No.SUB_C330, pp.1-9.

198. Monika Thapa, Babu Narayan K S, Halemane K P, Venkataramana K, Yaragal S C and Akanshu Sharma (2009). "Sensitivity Analysis of Pushover method in Nonlinear Analysis of RC Structures", *Proc. of Theme Meeting on Retrofitting & rehabilitation of Structures (TMRRS) & International Seminar on Structural Rehabilitation* held at Mangalore during March 30-31, 2009. Paper No.7, pp. 32-39.

199. Takewaka K, Bhagyashri P and Venkataramana K (2009). "Experimental study on chloride diffusion coefficient of concrete measured by using electrical migration test method", *Proc. of Theme Meeting on Retrofitting & rehabilitation of Structures (TMRRS) & International Seminar on Structural Rehabilitation* held at Mangalore during March 30-31, 2009. Paper No.10, pp. 50-59.

200. Babunarayan K S, Chinnagiri Gowda H C, Venkataramana K, and Yaragal S C (2008) "Fire Endurance of RC Columns", *Proc. International Conference – Concrete for Fire Engineering* held at University of Dundee (UK), Edited by R K Dhir et al, pp.303-318.

201. Jayalekshmi, B R, Lohith K, Shivashankar R and Venkataramana, K, (2008) "Experimental investigation on dynamic characteristics of structures founded on a dispersive soil", *Proc. 12th International Conference of International Association for Computer methods and Advances in Geomechanics (IACMAG) held at Goa during October 1-6, 2008,* pp.2717-2724.

202. Chethan K, Ramesh Babu R and Venkataramana K (2007) "Seismic Analysis and testing of RC Frames", *Proc. Structural Engineers World Congress 2007* held at Bangalore during November 2-7, 2007, Session: ISS 07: Earthquake Engineering, pp 1-12.

203. Babunarayan, K S and Venkataramana, K (2007) “Genetic Algorithm based configuration of lattice girders”, *Proc. International Conference on Recent Developments in Structural Engineering (RDSE-2007)*, held at MIT Manipal during August 30 - September 1, 2007, pp.506-512.

204. Chinnagiri Gowda H C, Babunarayan, K S and Venkataramana, K (2007) “Techniques for performance enhancement of RC frames in seismic zones – an experimental investigation”, *Proc. International Conference on Recent Developments in Structural Engineering (RDSE-2007)*, held at MIT Manipal during August 30 - September 1, 2007, pp.1344-1352.

205. Jayalekshmi B R, Deepthi Poojary V G, Venkataramana, K and Shivashankar, R (2007) “Earthquake response of multistoreyed RC frames with soil structure interaction effects”, *Proc. International Conference on Recent Developments in Structural Engineering (RDSE-2007)*, held at MIT Manipal during August 30 - September 1, 2007, pp.1285-1292.

206. Jayalekshmi B R, Deepthi Poojary V G, Shivashankar, R and Venkataramana, K (2007) “Dynamic soil structure interaction effects on RC structures resting on geosynthetic reinforced soil”, *Proc. International Conference on Recent Developments in Structural Engineering (RDSE-2007)*, held at MIT Manipal during August 30 - September 1, 2007, pp.1530-1537.

207. Chandrashekhar, A,, Jayalekshmi, B.R. and Venkataramana, K. (2005) “Dynamic Soil Structure Interaction Effects on Multi-Storeyed RCC Frames”, *Proc. International Conference in Structural Dynamics & Its Applications*, GITAM, Visakhapatnam, India, pp. 454-467.

208. Tanaka, M., Khin M., Harada T. and Venkataramana, K (2003): “ Experimental Study on Poisson’s ratio for FRP Tendons”, *Proc. 6th International Symposium on FRP Reinforcement for Concrete Structures*, held at Singalore, 8-10 July 2003, pp. 89-98

209. Kawano, K., Arakawa, M., Thwe, M. and Venkataramana, K. (2002): “Seismic response of base-isolated structures with uncertainties”, *Proc. 2nd International Conference on Structural Stability and Dynamics*, pp.889-894.

210. Kawano, K., Kimura, Y. and Venkataramana, K. (2002): “Nonlinear seismic response evaluations of MDOF structures with soil-foundation”, *Proc. 2nd International Conference on Structural Stability and Dynamics*, pp.901-906.

211. Venkataramana K., Kawano K. and Khin M. (2001): “Earthquake response characteristics of long-span bridges with multiple supports”, *Proc. First Asian-Pacific Congress on Computational Mechanics, (APCOM ’01),* pp.1615-1620.

212. Kawano, K., Arakawa, K. and Venkataramana, K. (2001): “Seismic response of a nonlinear structure with uncertain parameters”, *Proc. International Conference on Civil Engineering,* (ICCE-2001), pp.1000-1007.

213. Kawano, K., Arakawa, K. and Venkataramana, K. (2001): “Nonlinear seismic response analysis of structure-soil-foundation system”, *Proc. International Conference on Civil Engineering,* (ICCE-2001), 205-217.

214. Kawano K., Venkataramana K. and Hashimoto T. (2000): “Dynamic Response of a Large offshore Structure to Seismic Loads”, *Proc. 10th Int. Offshore and Polar Engineering Conference,* ISOPE, Vol.4, pp.213-219.

215. Venkataramana K., Yoshihara, Y., Kawano, K. and Aikou, Y. (2000): “Vortex-Induced Vibrations of Moored Floats in Steady Currents”, *Proc. 10th Int. Offshore and Polar Engineering Conference*, ISOPE, Vol.3, pp.504-510.

216. Kawano K., Venkataramana K. and Hashimoto T. (1999): “Seismic response effects on large offshore

platform", *Proc. 9th Int. Offshore and Polar Engineering Conference,* ISOPE, Vol.4, pp.528-325.

217. Khin M., Tanaka M., Venkataramana K. and Harada T.(1999): "Experimental study on friction factor for FRP tendons in pretensioned prestressed concrete members", *Proc. 4th International Symposium on Fiber Reinforced Polymer for Reinforced Concrete Structures* (FRPRCS-4), pp.755-764.

218. Venkataramana K., Kawano K., Yoshihara S. and Kuguhara M. (1999): "Time-Domain dynamic response evaluation of offshore structures", *Proc. 4th Asia-Pacific Conference on Computational Mechanics, (Computational Mechanics for the Next Millennium),* Vol.1, pp.721-726.

219. Kawano K., Venkataramana K. and Hashimoto, T. (1999): "Nonlinear response evaluations on large offshore structure", *Proc. 4th Asia-Pacific Conference on Computational Mechanics, (Computational Mechanics for the Next Millennium),* Vol.1, pp.715-720.

220. Kawano K., Venkataramana K. and Hashimoto, T. (1999): "Nonlinear responses of a large offshore structure due to wave forces", *Proc. ICASP 8 Conference, (Applications of Statistics and Probability : Civil Engineering Reliability and Risk Analysis, edited by R E Melchers & M G Stewart)*, pp.781-787.

221. Venkataramana K., Yoshihara S., Kawano K. and Aikou Y.(1999): "System for uplifting waters from deep seas", *Extended Abstract*, *5th International Marine Science Symposium on the Physical, Biological, Chemical and Geological Processes in the Pacific Ocean and Asian Marginal Seas*, pp.B41-B44.

222. Kawano K. and Venkataramana K. (1998): "Wave and earthquake response of large offshore platforms", *Proc. 2nd Int. Conf. on Hydroelasticity in Marine Technology*, pp.365-374.

223. Kawano K. and Venkataramana, K. (1998): "Nonlinear dynamic responses of a large offshore platform", *Proc. 8th KKNN Seminar on Civil Engineering*, National University of Singapore, pp.85-90.

224. Venkataramana K., Kawano K., Yoshihara S. and Myokhin (1998): "Time-Domain dynamic analysis of offshore structures under combined wave and earthquake loadings", *Proc. 8th Int. Offshore and Polar Engineering Conference,* ISOPE, Vol.4, pp.404-411.

225. Kawano K. , Venkataramana K. and Hashimoto T. (1998): "Dynamic response evaluations of offshore platform with huge deck loads", *Proc. 8th Int. Offshore and Polar Engineering Conference,* ISOPE, Vol.1, pp.317-324.

226. Venkataramana K., Kawano, K. and Yoshihara S. (1997): "Seismic response of TLP under offset condition", *Proc. 7th Int. Offshore and Polar Engineering Conference,* ISOPE, Vol.4, pp.466-471.

227. Kawano K., Venkataramana K., Hashimoto T. and Taniguchi T. (1997): " Dynamic response analysis of semi float type offshore platform", *Proc. 7th Int. Offshore and Polar Engineering Conference,* ISOPE, Vol.4, pp.485-492.

228. Venkataramana K., Kawano K., Taniguchi T. and Hashimoto T. (1997): "Dynamic response characteristics of large offshore structures to sea wave, current and earthquake excitations", *Proc. 7th Int. Conference on Computing in Civil and Building Engineering,* Seoul, Korea, Vol.3, pp.1631-1636.

229. Kawano K., Venkataramana K. and Taniguchi T. (1997): "Dynamic response approximation of offshore structures", *Proc. 7th Int. Conference on Computing in Civil and Building Engineering,* Seoul, Korea, Vol.3, pp.1637-1642.

230. Kawano K. and Venkataramana K. (1997): "Dynamic response analysis of large offshore structure", *Proc. 7th KAIST-NTU-KU Tri-Lateral Seminar/Workshop on Civil Engineering*, Kyoto, pp.197-202.

231. Venkataramana K., Kawano K. and Tamae S. (1996): "Earthquake response of multi-span continuous bridges", *11th World Conference on Earthquake Engineering*, Mexico, Paper Number 124.

232. Kawano K., Venkataramana K., Hashimoto T., Komasa T. and Iida T. (1996): “Reduction effects on seismic responses of offshore platform”, *11th World Conference on Earthquake Engineering*, Mexico, Paper Number 284.

233. Venkataramana K., Kawano K. and Yoshihara, Y. (1996): “On the estimation of earthquake response of offshore structures”, *Proc. Int. Symposium on offshore Engineering*, Bandung, Indonesia, Paper No.7, pp.1-20.

234. Venkataramana K. and Kawano K. (1996): “On the selection of ground acceleration spectrum for response evaluation of offshore structures”, *Proc. 6th Int. Offshore and Polar Engineering Conference*, ISOPE, Vol.1, pp.182-189.

235. Venkataramana K., Yoshihara, Y., Toyoda, S. and Aikou, Y. (1996): “Current-induced vibrations of submerged floating tunnels”, *Proc. 6th Int. Offshore and Polar Engineering Conference*, ISOPE, Vol.2, pp.111-118.

236. Yoshihara S., Venkataramana K. and Aikou Y. (1996): “Hydrodynamic forces on offshore pipelines”, *Proc. 4th Asia/Pacific Offshore mechanics Symposium*, Pusan, Korea, pp.167-173.

237. Kawano K., Venkataramana K., Komasa T. and Iida T. (1995): “Seismic response reductions of offshore platform”, *Proc. 5th Int. Offshore and Polar Engineering Conference*, ISOPE, Vol.3, pp.443-449.

238. Venkataramana K. and Kawano K. (1994): “Parametric uncertainties for dynamic response evaluation of offshore structure”, *The Third World Congress on Computational Mechanics*, Extended Abstracts, Vol.2, pp.1027-1028.

239. Venkataramana K., Toyoda S. and Kawano K. (1993): “Dynamics of tension leg platforms under current and earthquake forces”, *Proc. 3rd Int. Offshore and Polar Engineering Conference*, ISOPE, Vol.1, pp.341-344.

240. Kawano K. and Venkataramana K. (1992): “Uncertain parameter effects on dynamic response of offshore structure”, *Proc. 2nd International Offshore and Polar Engineering Conference*, ISOPE, Vol.3, pp.682-686.

241. Kawano K., Venkataramana K. and Furukawa K. (1992): “Seismic response of offshore platform with TMD”, *Proc. of 10th World Conference on Earthquake Engineering*, Vol.4, pp.2241-2246.

242. Kawano K., Venkataramana K., Yamada Y. and Iida T. (1991): “Random dynamic response analysis of offshore platform”, *Proc. 1st International Offshore and Polar Engineering Conference*, ISOPE, Vol.4, pp.84-89.

243. Kawano K., Venkataramana K., Yamada Y. and Iemura H. (1990): “Dynamic response of offshore structures with uncertain parameters”, *Proc. 1st Asia/Pacific Offshore mechanics Symposium*, Vol.1, pp.287-294.

244. Venkataramana K., Yamada Y., Iemura H. and Kawano K.(1989): “Dynamic soil-structure interaction effects on random response of offshore platforms”, *Proc. 8th Int. Conference on Offshore Mechanics and Arctic Engineering*, ASME, Vol.1, pp.565-572.

245. Kawano K., Yamada Y., Iemura H. and Venkataramana K. (1989): “On the reliability of offshore platforms against random sea waves and earthquake motions”, *Proc. 5th Int. Conference on Structural Safety and Reliability*, Vol.1, pp.127-134.

246. Venkataramana K., Yamada Y., Kawano K. and Iemura H. (1988): “Seismic response of offshore structures in random seas”, *Proc. of 9th World Conference on Earthquake Engineering*, Vol.6, pp.433-438.

Research Publications in National Conference Proceedings

247. Nimisha P, Venkataramana K and Jayalekshmi B R (2019): "An overview of acoustic modeling and seismic design guidelines of liquid storage tanks", *Proceedings of National Conference on Recent Trends in Civil Engineering (NCRTCE'19)* held at Chenperi, Kannur on May 30, 2019*, pp 180-185.*

248. Shreyasvi C and Venkataramana K (2018): "Probabilistic seismic hazard analysis of Dakshina Kannada - A Coastal Region", Proceedings of the 16th Symposium on Earthquake Engineering held at IIT Roorkee during December 20-22, 2018. Paper No. 214, pp. 1-10.

249. Anjana S Rao, B R Jayalekshmi and Venkataramana K (2018): "Static response of berthing structures incorporating SSI", *Proceedings of the Conference on next frontiers in civil engineering, Sustainable and Resilient Infrastructure* held at IIT Bombay during Nov.30-Dec 1, 2018, pp.118-119.

250. Pradeep Kumar Pandre, Shreyasvi C and Venkataramana K (2018):"Seismic Response of buildings on sloping terrain", *Proc of 34th National Convention of Architectural Engineers and National Seminar on Architectural Engineering for Socio-Economic Development*, held at NITK Surathkal during November 24-25, 2018.

251. Badira Rahmath N, Shreyasvi C and Venkataramana K (2018):" Seismic Site Response Analysis of Calicut Region", *Proc of 34th National Convention of Architectural Engineers and National Seminar on Architectural Engineering for Socio-Economic Development*, held at NITK Surathkal during November 24-25, 2018.

252. Shreyasvi C and Venkataramana K (2018): "Recent advances in earthquake resistant construction practices", *Proc. of 2nd National Conference on Structural Engineering and Construction Management, SECON '2018*, held at FISAT, Angamaly, Kerala, during April 17-18, 2018, pp.1-12.

253. Shreyasvi C and Venkataramana K (2017): "Quantification of seismic hazard for Mangalore region", Proc. of Indian Geotechnical Conference 2017, GeoNEst, held at IIT Guwahati during December 14-16, 2017. p.269

254. Shetty A, Venkataramana, K and Babu Narayan K S (2014). "Studies on flexural bond strength behavior of corroded NBS beams", *Proc. of First Annual Conference on Innovations and Developments in Civil Engineering (ACIDIC-2014)*, held at NITK, Surathkal, India, during May 19-20, 2014, pp.121-128.

255. Yaragal S C, Prabhu K R and Venkataramana K (2014). "Scope for utilization of melt processed plastic pellets as partial substitute to fine aggregate in concrete, ", *Proc. of First Annual Conference on Innovations and Developments in Civil Engineering (ACIDIC-2014)*, held at NITK, Surathkal, India, during May 19-20, 2014, pp.144-149.

256. Bhavana Patel S S, Babu Narayan K S and Venkataramana K (2014). "Domain Selection in Meshfree Method", *Proc. of First Annual Conference on Innovations and Developments in Civil Engineering (ACIDIC-2014)*, held at NITK, Surathkal, India, during May 19-20, 2014, pp.600-607.

257. Shetty A, Venkataramana, K and Babu Narayan K S (2014). "Experimental investigation on corroded RC beams", *Proc. of National Conference on Advancements in Materials, Construction and Sustainable Environment (AMCSE 2014)* held at Kalasalingam University, Tamil Nadu on March 29, 2014.

258. Catherin Jeselia M, Jayalekshmi B R and Venkataramana, K (2014). "Review on out-of-plane response of masonry infills", *Proc. of National Conference on Advancements in Materials, Construction and Sustainable Environment (AMCSE 2014)* held at Kalasalingam University, Tamil Nadu on March 29, 2014.

259. Bhavana patel S S, Babu Narayan K S and Venkataramana, K (2014). "EFG vs. FEM for Beam

Analysis", *Proc. of National Conference on Advancements in Materials, Construction and Sustainable Environment (AMCSE 2014)* held at Kalasalingam University, Tamil Nadu on March 29, 2014.

260. Prabhu K R, Venkataramana K and Yaragal S C (2013). "Alternatives to cement concrete ingredients – state of the art", *Proc. of National Conference on new horizons in Civil Engineering – NHCE 2013,* held at MIT Manipal during April 12-13, 2013, pp.843-854.

261. Prabhu K R, Yaragal S C and Venkataramana K (2013). "Experimental investigation on utilization of plastic pellets as partial replacement of fine aggregates in concrete", *Proc. of National Conference on new horizons in Civil Engineering – NHCE 2013,* held at MIT Manipal during April 12-13, 2013, pp.855-858.

262. Bhavana Patel S S, Venkataramana K and Babu Narayan K S (2013): "Structural Health Assessment Using Artificial Neural Network: An Overview", *Proc. of A3C – 12 : AWARDS, CONVENTION & CONSULTANTS COLLOQUIUM, organized by the Association of Consulting Civil Engineers (I*), Mangalore Centre, Mangalore, India, January 11-12, 2013, pp. 277-285.

263. Tamizharasi G, Ajit Kamath Manohar, Kaustav Sengupta, Venkataramana K and Umesh G (2012). "Development of Magnetorheological Fluid For Making Seismic Dampers", *Proc. of National Conference on Contemporary Civil Engineering Research & Practices (CCERP-2012)*, held at MIT, Manipal (India) during April 20-21, 2012, pp.664-674.

264. Shetty A, Venkataramana K, Gogoi I (2012). "Effect of Corrosion on Bond Strength of RC Members", *Proc. of National Conference on Contemporary Civil Engineering Research & Practices (CCERP-2012)*, held at MIT, Manipal (India) during April 20-21, 2012, pp.683-690.

265. Shanthala B, Subba Rao and Venkataramana K (2008) "Investigation on nonbreaking wave forces on slender vertical cylinder", *Proc. National Conference on Advances in Civil Engineering,* held at Bhatkal, during March 9-10, 2008, pp.54-57.

266. Jayalekshmi, B R, Venkataramana K, Shivashankar, R and Chandrashekhar, A (2007) "Soil-foundation-structure interaction effects on the static response of 3D building frames", *Proc. 4th Indian National Conference on Harbour and Ocean Engineering,* held at NITK Surathkal, during December 12-14, 2007, pp.231-239.

267. Jayalekshmi, B R, Deepthi Poojary, V G, Venkataramana, K, and Shivashankar, R (2007) "Seismic response of RC structures with SSI – effect of soil reinforcement - ", *Proc. 4th Indian National Conference on Harbour and Ocean Engineering,* held at NITK Surathkal, during December 12-14, 2007, pp.249-256.

268. Chethan K, Ramesh Babu R and Venkataramana K (2007) "Earthquake Response Characteristics of reinforced concrete structures – Experimental Investigations", Seismic Analysis and testing of RC Frames", *Proc. 4th Indian National Conference on Harbour and Ocean Engineering,* held at NITK Surathkal, during December 12-14, 2007, pp.467-475.

269. Kawano, K, Kimura, Y and Venkataramana, K (2007) "Effects of uncertainty on offshore platform due to wave and seismic forces", *Proc. 4th Indian National Conference on Harbour and Ocean Engineering,* held at NITK Surathkal, during December 12-14, 2007, pp.594-605.

270. Shanthala B, Subba Rao, Venkataramana K and Pruthviraj U (2007) "Experimental investigations of wave forces on vertical cylinders", *Proc. 4th Indian National Conference on Harbour and Ocean Engineering,* held at NITK Surathkal, during December 12-14, 2007, pp.639-644.

271. Venkataramana, K, Bhat, A. G. And Peethala, S.S. (2006) "Comprehensive revision of Building Byelaws for Mangalore City – A Case Study", *Proc. First India Disaster Management Congress*, held at New Delhi during 28-30 November 2006, pp.1-13.

272. Venkataramana, K. and Murakami, H. (2001): “Earthquake Damage of Civil Engineering Structures due to Gujarat Earthquake of January 26, 2001”, *Abstracts, Annual Symposium of Japan Association for Earthquake Engineering,* p.120.

273. Venkataramana, K. and Murakami, H. (2001): “Damage of Structures due to Gujarat Earthquake of January 26, 2001”, *Program & Abstracts of The Seimological Society of Japan, 2001 fall meeting,* Paper No. B05.

274. Venkataramana, K. and Utsunomia, T. (2000): “The floating bridges: past, present and future”, *Proc. 2nd International Summer Symposium,* JSCE, pp.1-4.

275. Tanabe, Y., Akiyama, K., Yoshidome, Y., Yoshihara, S., Venkataramana, K. and Aikou, Y. (2000): Wave response of floating bridges”, *Proc. West-Japan Regional Symposium*, JSCE, Vol.1, pp.128-129 (in Japanese).

276. Togo, J., Kubo, K., Yasunaga, K., Yoshihara, S., Venkataramana, K. and Aikou, Y. (2000): Dynamic behavior of tension-leg-platforms in currents”, *Proc. West-Japan Regional Symposium*, JSCE, Vol.1, pp.130-131 (in Japanese).

277. Kanagawa, H., Sonoda, S., Venkataramana, K., Aikou, Y., Ueno, T., Ueno, R., Shin,H. (2000): Measurement of flow parameters using GPS mounted floating devices, *Proc. of West-Japan Regional Symposium*, JSCE, Vol.2, pp.202-203 (in Japanese).

278. Venkataramana, K., Kawano, K., Toyoda, S. and Shirakibara, M. (1996): “Earthquake response of tension-leg-platform under offset condition”, *Proc. of West-Japan Regional Symposium*, JSCE, pp.128-129.

279. Toyoda, S., Venkataramana, K., Kami, M. and Hashimoto, S. (1996): “Waterfront development of Ibusuki City”, *Proc. West-Japan Regional Symposium*, JSCE, pp.828-829 (in Japanese).

280. Venkataramana, K., Yoshihara, S., Toyoda, S. and Aikou, Y. (1995): “Experiments on dynamic response of submerged floating tunnels in a steady current”, *Proc. West-Japan Regional Symposium*, JSCE, pp.120-121.
281. Venkataramana, K., Yoshihara, S., Toyoda, S. and Aikou, Y. (1995): “Current-induced vibrations of submerged floating tunnels”, *Proc. 50th Annual Conference*, JSCE, Vol.2, pp.616-617.

282. Venkataramana, K., Kawano, K. and Toyoda, S. (1994): “On the selection of ground acceleration spectrum for response evaluation of offshore structures”, *Proc. West-Japan Regional Symposium*, JSCE, pp.96-97.

283. Shimasumi, K., Terawaki, M., Toyoda, S., Yoshihara, S., Aikou, Y. and Venkataramana, K. (1993): “Dynamic behaviour of submerged floating tunnels”, *Proc. West-Japan Regional Symposium*, JSCE, pp.192-193 (in Japanese).

284. Tamae, S., Ishizaka, M., Yoshihara, S., Aikou, Y. and Venkataramana, K. (1993): “Fluid forces on submerged floating tunnels”, *Proc. of West-Japan Regional Symposium*, JSCE, pp.194-195 (in Japanese).

285. Venkataramana, K. and Eatock-Taylor, R.(1992): “Earthquake response of tension-leg-platforms in steady currents”, *Proc. of 47th Annual Conference*, JSCE, Vol.1, pp.1438-1439.

286. Venkataramana, K., Kita, H. and Iida, T. (1990): “Horizontal and uplift forces due to sea waves in the foundation of embedded steel cellular structures”, *Proc. of 45th Annual Conference*, JSCE, Vol.2.

287. Kawano K., Venkataramana K., Yamada Y. and Iemura H. (1990): “Random seismic response analysis of offshore platform”, *Proc. 8th Japanese Earthquake Engineering Symposium*, Vol.2, pp.1347-1352.

288. Venkataramana, K., Yamada, Y., Iemura, H. and Kawano, K. (1989): "Stochastic response of offshore structures to sea wave excitations", *Proc. of 44th Annual Conference*, JSCE, Vol.1, pp.1002-1003.

289. Venkataramana K., Yamada Y., Iemura H. and Kawano K. (1988): "Dynamic response analyses of offshore structures due to earthquake forces", *Proc. 12th Symposium on Computational Methods in Structural Engineering and Related Fields*, Japanese Society of Steel Construction, Vol.12, pp.383-388.

290. Venkataramana, K., Yamada, Y., Iemura, H. and Kawano, K. (1988): "Seismic response of offshore platforms in random seas", *Proc. of 43rd Annual Conference*, JSCE, Vol.1, pp.1074-1075.

291. Venkataramana, K., Yamada, Y., Iemura, H. and Kawano, K. (1987): "Wave induced vibrations of offshore towers", *Proc. of 42nd Annual Conference*, JSCE, Vol.1, pp.774-775.

292. Kawano K., Yamada Y., Iemura H., Venkataramana K. (1987): "Dynamic interaction effects on offshore structure analyses", *Proc. 11th Symposium on Computational Methods in Structural Engineering and Related Fields*, Japanese Society of Steel Construction, Vol.11, pp.115-120. (in Japanese).

293. Kawano K., Yoshihara Y. and Venkataramana K. (1986): "Dynamic response analyses of soil-offshore structure systems", *Proc. 10th symposium on Computational Methods in Structural Engineering and Related Fields*, Japanese Society of Steel Construction, Vol.10, pp.205-210. (in Japanese).

Research Reports and Articles in Workshop/Seminar Proceedings

294. Babu Narayan K S, Yaragal S C, Venkataramana K and Sangwai G R (2013): "Strengthening of iron ore filter unit's heavy engineering shed at Kuduremukh iron Ore company Limited", *Proc. of the Workshop on "Structural Rehabilitation and Retrofitting using Construction Chemicals*" held at IIT Bombay during September 24-25, 2013, pp.27-28.

295. Venkataramana K, Babunarayan K S, Chinnagiri Gowda H C and Yaragal S C (2008) "Fire resistance characteristics of RC Columns", *Proc. NITK-KU Joint Seminar on Recent Advances in Engineering & Technology"* Edited by T Asano & K Venkataramana, Kagoshima University, pp.124-129.

296. Venkataramana K.(2008) "Multi-Hazard Building Bye Laws in Cities: Case Study of Mangalore City", *Proc. of Training Pragramme on Urban Management (With Specific Reference to Urban Disasters)*, held at ATI, Mysore, during December 22-26, 2008.

297. Yaragal S C, Babunarayan K S, Venkataramana K and Ravikumar C M (2008): "Design Mixes for Coastal Environment – A Case Study," *Proc. of Theme Workshop on "Concrete for coastal Environment*" held at NITK during October 7-8, 2008, paper No. VI-3.

298. Ravikumar C M, Yaragal S C, Babunarayan K S and Venkataramana K (2008): "Assessment of Strength of Existing Concrete Structures – Nondestructive Testing" *Proc. of Theme Workshop on "Concrete for coastal Environment*" held at NITK during October 7-8, 2008, paper No. VI-4.

299. Kawano K, Kimura Y and Venkataramana K (2008): "Damage Evaluation on Nonlinear SSI Systems due to Seismic Forces", *Proc of Indo-Japan Theme Meeting & Workshop (IJTM 2008)* held at CPRI, Bangalore during August 28-29, 2008. Paper No. III-3.

300. Chethan K, Ramesh Babu R and Venkataramana, K (2008): "Dynamic Response of RC Frames under earthquake Excitations", *Proc of Indo-Japan Theme Meeting & Workshop (IJTM 2008)* held at CPRI, Bangalore during August 28-29, 2008. Paper No. III-5.

301. Chinnagiri Gowda H C, Babunarayan K S, Venkataramana K and Prashanth M H (2008): "Techniques for Performance Enhancement of RC Frames in Seismic Zones – An Experimental Investigation", *Proc of Indo-Japan Theme Meeting & Workshop (IJTM 2008)* held at CPRI, Bangalore during August 28-29, 2008. Paper No. VII-2.

302. Jayalekshmi, B R, Dhanya, G., Venkataramana, K, Shivashankar, R (2008): "Dynamic SSI Effects in Multistorey Frames with Raft Foundation", *Proc. Indo-Japan Workshop on Recent Advances in Geotechnical Engineering*, held at NITK Surathkal on March 4, 2008.

303. Venkataramana, K. (2007): "Main Causes of Damages & Lessons Learnt from Past Earthquakes – Bhuj Experience", Proc. *National Workshop on Recent Trends in Seismic Design of Foundation and Structures"*, held at Nitte on February 27-28, 2007, pp.6-12.

304. Venkataramana, K et al (2006), "Mangalore City Building Byelaws 2006 (Technical Committee Report)", Dakshina Kannada District Administration, pp. 1-170.

305. Venkataramana, K. (2004):"Soil Structure Interactions", Proc. NPEEE Short Term Course on Structural Dynamics in Earthquake Engineering, held at IISc, Bangalore, pp. KVI 1-16.

306. Venkataramana, K. (2004):"Seismic Wave Amplifications", Proc. NPEEE Short Term Course on Structural Dynamics in Earthquake Engineering, held at IISc, Bangalore, pp. KVII 1-10.

307. Venkataramana, K. and Gururaj Rao, M. (2004): "Lessons from Bhuj earthquake; Damage of RC Structures", Proc. Workshop on Earthquake Resistant Design & Retrofitting of RC Structures, held at NITK, Surathkal, Chapter 2, pp 1-12.

308. Murakami, H. and Venkataramana, K. (2002): "Estimation of MSK seismic intensity by questionnaire method", *A Comprehensive survey of the 26 January 2001 Earthquake (Mw 7.7) in the State of Gujarat , India*, Research Report on Natural Disasters, pp.64-70.

309. Murakami, H., Kumar, A. and Venkataramana, K. (2001): "Estimation of MSK seismic intensity by questionnaire method", *Proc. Symp on 2001 West India earthquake damage survey*, Architectural Institute of Japan, pp.26-31 (in Japanese).

310. Venkataramana, K., Aikou, Y., Onoue, H. and Sakaki, T. (2001): "Low-cost devices for uplifting deep-sea waters", *Research Reports of the Kagoshima Prefecture Resources Development Project,* No.38, pp.69-74 (in Japanese).

311. Venkataramana, K., Aikou, Y., Ueno T. (2000): "Flow measurements using GPS mounted floating devices", *Research Report on Collaborative Research*, pp.1-55 (in Japanese).

312. Venkataramana, K. (2000): "A report on the 5th commemorative symposium of JAPAN IN TODAY'S WORLD program of Kyushu University, *Annual Report 2000*, International Student Exchange Center, Kagoshima University, pp.4-6 (in Japanese).

313. Venkataramana, K., Aikou, Y. and Shimomai, M.(1999): "Development of new flow measurement methods using GPS mounted floating devices", *Report on Collaborative Research programs*, Research and Development Center, Kagoshima University, No.1, p.28 (in Japanese).

314. Yoshihara S., Venkataramana K. and Aikou Y. (1998): "Dynamic response of moored floats in steady currents", *Research Reports of the Faculty of Engineering*, Kagoshima University, No.40, pp.211-220.

315. Toyoda S. and Venkataramana K. (1995): "On the scenic preservation of Sakurajima as seen from Shiroyama observatory", *Research Reports of the Faculty of Engineering*, Kagoshima University, No.37, pp.167-171 (in Japanese).

316. Yoshihara S., Toyoda S., Venkataramana K. and Aikou Y. (1994): "Current-induced vibrations of submerged floating tunnels", *Research Reports of the Faculty of Engineering*, Kagoshima University, No.36, pp.173-188.

317. Yoshihara S., Toyoda S., Venkataramana K. and Aikou Y. (1993): "Hydrodynamics of ocean pipelines",

Research Reports of the Faculty of Engineering, Kagoshima University, No.35, pp.143-153.

318. Venkataramana K. (1991): "Earthquake response of tension leg platforms in steady currents", *Research Report, University of Oxford*, UK, pp. 1-54.

319. Venkataramana K., Yamada Y., Yoshihara S., Iemura H. and Kawano K. (1989): "Stochastic response of offshore structures to sea wave and earthquake excitations with fluid-structure-soil interaction", *Research Report, Kyoto University*, KUCE No. 89-ST-01, pp.1-144.

NITK Research Bulletin

320. Varghese J, Christy F and Venkataramana K (2013) "Moored offshore platforms for installing wind turbine – an overview", NITK Research Bulletin, Vol.22, No.1, July 2013, pp1-9.

321. Srujana N, Ramesh Babu R and Venkataramana K (2013) "Ground acceleration amplification at base of the porcelain insulator of 300kV transformer", NITK Research Bulletin, Vol.22, No.1, July 2013, pp30-36.

322. Dutta S, Patel S K, Gandhi N, Gupta A, Patel B and Venkataramana K (2013) "Damage detection using frequency response", NITK Research Bulletin, Vol.22, No.1, July 2013, pp58-66.

323. Shyam Krishna, Venkataramana K and Tamizharasi G (2012) "Earthquake vulnerability assessment of buildings in NITK campus by RVS method", *NITK Research Bulletin* Vol.21, No.2, December 2012, pp.9-18.

324. Shetty A, Venkataramana K (2012) "Effects of corrosion on the bond strength and load carrying capacity of RC members", *NITK Research Bulletin* Vol.21, No.1, July 2012, pp.6-12.

325. Tamizharasi G, Manohar A K, Sengupta K, Venkataramana K and Umesh G (2012) "Testing of fluids for making magnetorheological damper: An experimental study", *NITK Research Bulletin* Vol.21, No.1, July 2012, pp.19-25.

326. Srujana N, Ramesh Babu R and Venkataramana K (2011) "A study on seismic evaluation of 132kV current transformer", *NITK Research Bulletin* Vol.20, No.2, pp.53-60.

327. Shetty A, Venkataramana K, Gogoi I, Aditya S A, Bharath R, Sajal and Zyad T (2011) "Effect of corrosion in reinforced concrete members on the bond strength – An overview", *NITK Research Bulletin* Vol.20, No.2, pp.61-70.

328. Shanthala B, Subba Rao, Venkataramana K, and Harish N (2011) "Comparison of static and dynamic response of berthing structures", *NITK Research Bulletin* Vol.20, No.1, pp.32-41.

329. Bharath Kumar S, Chethan K, Venkataramana K, Babu Narayan K S and Chinnagiri Gowda H C (2009) "Dynamic properties of RC frames with masonry infill panels", *NITK Research Bulletin* Vol.18, No.1, pp.19-26.

330. Unnikrishnan S, Narasimhan M C and Venkataramana K (2009) "Stress strain characteristics of laterite masonry", *NITK Research Bulletin* Vol.18, No.1, pp.27-31.

331. Jayalekshmi B R, Venkataramana K, Shivashankar R and Lohit K(2008) "Modal analysis of multistorey space frame models incorporating soil flexibility", *NITK Research Bulletin* Vol.17, No.2, pp.33-39.

332. Chethan K, Ramesh Babu R and Venkataramana K (2008) "Nonlinear response of RC structures under earthquake loading", *NITK research Bulletin* Vol.17, No.1, pp.68-78.

333. Babunarayan K S, Chinnagiri Gowda H C, Yaragal S C and Venkataramana K (2007) “Experimental Investigations on fire endurance of RC columns”, *NITK Research Bulletin,* Vol.16, No.2, pp.7-14.

334. Jayalekshmi B R, Deepthi Poojary V G, Shivashankar R and Venkataramana K (2007) “Time history analysis of RC framed buildings on geosynthetic reinforced soil”, *NITK Research Bulletin* Vol.16, No.2, pp.32-36.

335. Jayalekshmi B R, Chandrashekhar A, Venkataramana K and Shivashankar R (2007) “Dynamic FE analysis of multistoreyed frames including soil foundation structure interaction effects”, *NITK Research Bulletin* Vol.16, No.1, pp.14-18.

336. Chethan K, Ramesh Babu R and Venkataramana K (2006) “Seismic Qualification of Bamboo Building System”, *NITK research Bulletin* Vol.15, No.2, pp.1-7.

337. Venkataramana K. (2006) “Comprehensive Revision of Zoning Regulations & Building Byelaws for Mangalore City”, *NITK research Bulletin* Vol.15, No.2, pp.36-46.