

Curriculum Vitae

Yogendra Singh, *Ph.D., M.ASCE, e-Aff.M.EERI, MIE, MISTE, FISET*

Designation : Professor

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Date of Birth : 18th April 1968

UNIVERSITY EDUCATION

B.E. (1989) in Civil Engg. from IIT Roorkee (then University of Roorkee) in **First Division with Honours**.

M. Tech. (1990) in Structural Engg. from IIT Delhi.

Ph.D. (1994) in Structural Engg. from IIT Delhi.

RESEARCH INTERESTS

- Seismic Vulnerability and Risk Evaluation
- Performance Based Design of Buildings and Bridges
- Inelastic Seismic Response of Structures
- Seismic Evaluation and Retrofitting of Structures
- Soil-Structure Interaction
- Earthquake Engineering in Hilly Regions

HONOURS

- IITR Outstanding Teacher Award - 2006.
- AICTE Career Award for Young Teachers - 2000.
- Dr. Jai Krishna Prize and Medal, Institution of Engineers (India), 2008-09.
- Sir Arthur Cotton Memorial Prize, Institution of Engineers (India), 2011.

- Member expert group to draft the performance based seismic design code, Bureau of Indian Standards, Committee CED:39.
- Invited to contribute a chapter in the Gordon and Breach International Series in Engineering, Technology and Applied Science.
- Member of the Expert Committee for preparation of “CPWD Manual for Repair, Rehabilitation and Retrofitting of RC Structures.”
- Member, Expert Group on Seismic Vulnerability and Risk Analysis, constituted by National Disaster Management Authority (NDMA).
- Member of National Institute of Disaster Management (NIDM) Technical Committee to Study the Reconstruction Technology and Design Criteria for Reconstruction of Houses in A&N Islands, appointed by the Ministry of Home Affairs, Govt. of India.
- Member Core Group for drafting of Disaster Risk Reduction (DRR) guidelines for bank-financed infrastructure, constituted by National Disaster Management Authority (NDMA).

RESEARCH SUPERVISION

Ph.D. Theses (Completed)

1. Amjad Masood, (2006) “Out-of-Plane Behaviour of Unreinforced Masonry Infill Panels.” (Solo supervision).
2. Goutam Ghosh, (2007) “Seismic Performance of a Continuous Bridge: Role of Bearings and Substructure.” Co-supervisor: Prof. S.K. Thakkar.
3. S. Choudhury, (2007) “Performance Based Seismic Design of Hospitals.” Co-supervisor: Prof. D.K. Paul.
4. J.S.R. Prasad, (2009) “Seismic Vulnerability and Risk Assessment of Indian Urban Housing” Co-supervisor: Dr. Rajesh Deoliya.
5. Ratnesh Kumar, (2010) “Modelling and Seismic Performance Evaluation of Indian RC Frame Buildings.” Co-supervisor: Dr. Rajesh Deoliya.
6. Vijay N. Khose, (2012) “A Comprehensive Performance-Based Seismic Design Approach for RC Frame Buildings.” (Solo Supervision)
7. Putul Haldar, (2013) “Seismic Behavior and Vulnerability of Indian RC Buildings with URM Infills.” Co-supervisor: Prof. D.K. Paul.
8. Govardhan, (2014) “Direct Displacement Based Design of Base-Isolated RC Frame Buildings.” Co-supervisor: Prof. D.K. Paul.
9. Shrabony Adhikari (2015), “Effect of Soil on Seismic Performance of Structures,” Co-supervisor: Prof. D.K. Paul.

10. Kadam Sachin Balasaheb (2015), "Performance Based Seismic Design of Masonry Structures," (Solo Supervision).
11. Narsimha D. S. (2016), "Seismic Risk Assessment in Hilly Areas," Co-supervisor: Prof. M.L. Sharma.

Ph.D. Theses (In progress)

12. Dhiraj Raj, "Seismic Behaviour of Buildings on Hill Slopes," (Solo Supervision)
13. Mitesh Surana, "Seismic Vulnerability Assessment of Hill Buildings," Co-supervisor: Dr. Dr. Dominik Lang.
14. P. Pravin Kumar Venkat Rao, "Performance Based Seismic Design of Masonry Buildings," (Solo Supervision)
15. Adil Ahmad, "Performance Based Seismic Design of Hospital Buildings," (Solo Supervision)

M.Tech. Dissertations (Completed)

1. Shahid Manzoor, (Structural Dynamics), "Retrofitting of the Main Building of IIT Roorkee," 2002. Co-supervisor: Prof. D.K. Paul.
2. S. Jafar Mehdi, (Structural Dynamics), "Seismic Retrofitting of Stilt R.C. Buildings," 2002. Co-supervisor: Prof. D.K. Paul.
3. Gurukripal Singh, (Building Science and Technology), "Analytical Modelling of Corrosion Damage to R.C. Structures," 2002. Co supervisor: Prof. V.K. Gupta.
4. Prasad S.R. Jallipalli, (Soil Dynamics), "Analysis of Antenna Supporting Structures," 2003. Co-supervisor: Prof. D.K. Paul.
5. Kapil Jain, (Structural Dynamics), "Seismic Behaviour of Frame-Shear Wall Buildings," 2004. (Solo Supervision)
6. Sivaraju Muralidhar, (Structural Dynamics), "Comparative Study of Force Based and Displacement Based Design of Buildings," 2004. Co-supervisor: Prof. D.K. Paul.
7. Ratnesh Kumar, (Structural Dynamics), "Strength and Ductility of Jacketed R.C. Members," 2004. Co-supervisor: Prof. D.K. Paul.
8. Vivek Tripathi, (Water Resources Development), "Three Dimensional Analysis of Surface Power Station by Finite Element Method," 2005. Co-supervisors: Prof. Gopal Chauhan, and Prof. B.N. Asthana.

9. Sudhanshu Tripathi, (Structural Dynamics), "Seismic Safety of Hospital Equipment and Services," 2005. (Solo Supervision)
10. Gopalakrishnan, C., (Structural Dynamics), "Directional Effects in Seismic Response of Buildings," 2005. (Solo Supervision)
11. Solomon Adugna, (Structural Dynamics), "Effect of Building Stiffness and Strength on the Seismic safety of Non-structural Building Components," 2006. (Solo Supervision)
12. Anirban Chatterjee, (Structural Dynamics), "Performance Based Design of Frame-Shear Wall Buildings," 2006. (Solo Supervision)
13. Dipankar Das, (Structural Dynamics), "Effect of URM Infills on Seismic Performance of RC Frame Buildings," 2006. (Solo Supervision).
14. Samik Chakraborty, (Structural Dynamics), "Base Isolation of URM Infilled RC Frame Buildings," 2007. (Solo Supervision).
15. Nikam Amol Panditrao, (Structural Dynamics), "Retrofitting of A RC Building Using FRP Wrapping," 2007. (Solo Supervision).
16. Piyal Mandal, (Structural Dynamics), "Seismic Vulnerability Reduction through Codal Design of URM Infilled RC Buildings," 2007. (Solo Supervision).
17. Tibebu Hunegn Birhane, (Structural Dynamics), "Seismic Behaviour of Skewed and Curved Bridges," 2008. (Solo Supervision).
18. Neha Goyal, (Building Science and Technology), "Seismic Safety of Nonstructural Components in buildings," 2008. Co-supervisor: Prof. V.K. Gupta.
19. Putul Halder, (Structural Dynamics), "Seismic Performance and Vulnerability of IS Code Designed RC Frame Buildings," 2008. (Solo Supervision).
20. Mallika Menon.P, (Structural Dynamics), "Performance Based Design of Base Isolated Hospital Buildings," 2008. (Solo Supervision).
21. Toshniwal Pramod Bansilalji, (Structural Engineering), "Seismic Performance of Fire Affected Buildings," 2008. Co-supervisors: Prof. Narendra Puri, Prof. Pradeep Bhargava.
22. Gaurav Maroo, (Structural Engineering), "Performance of Flat Slab Column Buildings during Earthquake," 2008. Co-supervisors: Prof. N.M. Bhandari, Dr. Umesh Kumar Sharma.
23. Patil Pankaj Sharad (Structural Dynamics), "Seismic Performance Evaluation of URM Buildings," 2009. (Solo Supervision)
24. Raja A.M. (Structural Dynamics), "Structural Design of Pseudo-dynamic Testing Facility Proposed at IIT Roorkee," 2009. (Solo Supervision)
25. Ramesh Kumar A. (Structural Dynamics), "Seismic Evaluation and Retrofit of IITR Main Building," 2009. (Solo Supervision)

26. Chandra Shekhar Garg, (Structural Engineering), "Performance Based Design of Flat Slab-Shear Wall System," 2009. Co-supervisor: Prof. N.M. Bhandari.
27. Ashish Kumar (Structural Dynamics), "Effects of Torsion in Seismic Response of Buildings," 2010. (Solo Supervision)
28. Shrabony Adhikari (Soil Dynamics), "Effect of Soil on seismic Performance of RC Buildings," 2010. (Solo Supervision)
29. Panchal Amratbhai Popatbhai (Structural Dynamics), "Determination of Design Ground Motion Parameters for Displacement-Based Design," 2010. Co-supervisor: Prof. M.L. Sharma.
30. Agrawal Nikhilkumar Kamalkisore, (Structural Engineering), "Seismic Evaluation of Flat Slab Building with Shear-Wall Core," 2010. Co-supervisor: Prof. N.M. Bhandari.
31. Shaik Mohammed Rizwan, (Structural Dynamics), "Seismic Behaviour of Buildings with Stiffness and Strength Eccentricities," 2011. (Solo Supervision)
32. N. Sweta (Geotechnical Engineering), "Seismic Performance of Slopes Subjected to Foundation Loads," 2011. Co-supervisor: Prof. N.K. Samadhiya.
33. Birajdar Amarjeet Bhimrao, (Structural Dynamics) "Attenuation Relationship for Spectral Displacement for Himalayan Region," 2011. Co-supervisor: Prof. M.L. Sharma.
34. Mahesh Babu Addala, (Structural Dynamics) "Performance Based Design of RC Frame Buildings with Supplemental Damping," 2011. (Solo Supervision)
35. Lt. Col. Pulkit Chauhan, (Structural Engineering) "Effect of Staircase on Seismic Behaviour of Multistorey Buildings," 2011. Co-supervisor: Dr. Anupam Chakrabarti.
36. Mohammad Azam, (Structural Dynamics) "Seismic Retrofitting of Unreinforced Masonry Buildings," 2011. (Solo Supervision)
37. Sitara Sarada (Structural Dynamics) "Performance Based Design of Steel Frames," 2012. (Solo Supervision)
38. Gade Phani Kumar (Structural Dynamics) "Seismic Behaviour of Buildings on Hill Slopes," 2012. (Solo Supervision)
39. Deepshika Chaudhary (Structural Dynamics) "Performance of Frame Buildings with Passive Energy Dissipation Devices," 2012. (Solo Supervision)
40. Veereswara Rao Yeluguri (Structural Dynamics) "Seismic Vulnerability of Buildings Located on Hill Slopes," 2013. (Solo Supervision)
41. Bhemineni Mounika (Structural Dynamics) "Performance Based Seismic Evaluation of Eccentrically Braced Frames Designed using Different Codes," 2013. (Solo Supervision)
42. Mitesh Surana (Structural Dynamics) "Seismic Performance of Frame-Shear Wall Buildings," 2013. (Solo Supervision)

43. Rakhi Kulkarni (Structural Dynamics) "Seismic Behaviour and Design of Bridges with Tall Piers," 2014. (Solo Supervision)
44. Abhishek Singhal (Structural Dynamics) "Development of Model Design Guidelines for Eccentrically Braced Frames," 2014. (Solo Supervision)
45. Triveni Mudaliar (Structural Dynamics) "Out-of-Plane Behaviour of Unreinforced Masonry Infills in RC Frames," 2014. (Solo Supervision)
46. Subhajit Sen (Structural Dynamics) "Seismic Design of Flat Slab-Shear Wall Buildings," 2014. (Solo Supervision)
47. Manish Pathak, (Structural Engineering) "Seismic Strengthening of Unreinforced Masonry (URM) Buildings," 2014. Co-supervisor: Dr. Umesh Kumar Sharma.
48. Nabeel Amhad Khan, (Structural Dynamics) "Seismic Performance of Steel EBF Buildings Designed for Indian Codes," 2015. (Solo Supervision)
49. Ashish Vishnoi (Structural Dynamics) "Seismic Performance of Rocking Spine Buildings," 2015. (Solo Supervision)
50. B.J.N. Satish (Structural Dynamics) "Effect of Substructure Configuration on Seismic Performance of a Bridge," 2015. (Solo Supervision)
51. Amey P. Naringrekar (Structural Dynamics) "Effect of Soil Conditions on Seismic Response of Bridge," 2015. (Solo Supervision)

SPONSORED RESEARCH PROJECTS

Sl. No.	Name of the Project	Funding Agency	Duration	Amount Rs. (in Lakhs)
1.	Structural Stability Assessment and Development of Design Guidelines for Expanded Polystyrene Core Panel System towards Safe and Affordable Housing	BMTPC	2015-16	10.00
2.	Durability Assessment and Enhancement of Service Life of Expanded Polystyrene Core Panel System	BMTPC	2015-16	10.00
3.	Earthquake Hazard and Risk Reduction on the Indian Subcontinent	NORSAR Norway	2012-2015	113.00
4.	Study on Seismic Strengthening Technologies and Comparative Assessment of Various Retrofit Techniques for Unreinforced Masonry (URM) School Buildings in India	NTU, Singapore	2011-15	39.10
5.	Seismic Vulnerability Assessment of Building Types in India	NDMA	2011-2012	25.20

6.	Fire Resistance and Repair of Earthquake Damaged Structures	UKIERI Research Award	2008-2011	120.00
7.	Performance Based Design and Retrofitting of Masonry Buildings	MoES	2007-2011	25.00
8.	Study of Seismic Base Isolation Techniques for Buildings and Development of Appropriate Seismic Base Isolators	MoES	2007-11	23.11
9.	Earthquake Vulnerability and Loss Appraisal for Non-Structural Elements in the Campus Buildings: A Roadmap	MoES	2006-2010	7.07
10.	Earthquake Risk Reduction in Himalaya with Institutional Cooperation between India and Norway.	NORSAR, Norway	2006-2010	43.80
11.	Seismic Safety of Masonry Infilled RC Frames	MHRD	2003-2006	13.00
12.	Indo-Norwegian Institutional Collaboration on <i>Earthquake Engg.</i> between NORSAR & NGI, Norway and IIT Roorkee, India	INPIC	2002-2006	65.00

CONSULTANCY PROJECTS

Sl. No.	Name of the Project	Funding Agency	Year	Amount Rs. (in Lakhs)
1.	Seismic Evaluation and Retrofit of Khan Market Buildings, New Delhi	NDMC	2015-16	70.00
2.	Condition Assessment of Various Structures of RBIPMT Hospital, Delhi	North Delhi Municipal Corp.	2012-14	24.16
3.	Vetting of Structural Design of proposed Railway Bridge Over River Hooghly, between Nabadweep Dham and Nabadweep Ghat	Rail Vikas Nigam Ltd.	2012-13	28.09
4.	Retrofit Design of Ward Block and Seismic Evaluation and Retrofit Design of Corridor Block of GTB Hospital, Delhi	Delhi PWD	2012-13	3.30

5.	Proof Checking of Structural Design of Hangers at LGBI Airport Guwahati, Assam	Cadmetric Consulting	2012-13	6.18
6.	Preparation of Lecture Notes for ToT in Bihar	BMTPC	2012-13	2.81
7.	Vetting of Structural Design of Hospital Buildings	PGMI Rohtak	2012-13	11.03
8.	Vetting of Structural Design of Proposed Office Building for Sikkim Forest Department	Sikkim Forest	2011-12	6.62
9.	Vetting of Structural Design of Proposed ATC Tower at New Delhi	Delhi Int. Airport Ltd.	2011-12	16.54
10.	Seismic Hazard Assessment for an Upcoming ATC Tower at New Delhi	Delhi Int. Airport Ltd.	2011-13	8.82
11.	Proof Checking and Vetting of Structural Design and Drawings of Hangers	CADMETRIC Consulting Guwahati	2011	6.61
12.	Seismic Evaluation and Retrofit Design of 250 bed Ward Block of Hindu Rao Hospital	BMTPC	2010-2011	11.03
13.	Training and Capacity-Building Programme on Seismic Strengthening for Master and Local Builders in India	NTU Singapore	2010-2011	42.99
14.	Vetting of structural design of Professors' Apartments, IIT Delhi	Privitech Consult. Engrs.	2009-2010	1.5
15.	Development of Course Content for National Earthquake Risk Mitigation Project (NERMP)	NDMA	2008-09	5.00
16.	Seismic Vulnerability of Multistorey Buildings in NOIDA Region	NIDM	2007-09	5.00
17.	Investigation of Distress and Retrofitting of Wild Life Institute Buildings	Wild Life Institute of India	2007-08	5.62
18.	Evaluation & Retrofit Analysis of Life Line Buildings - Pushover Analysis of Ward Block of GTB Hospital, Shahadara, Delhi	PWD, Delhi	2005-06	4.95
19.	Seismic Safety and Retrofitting of TRANSCO Buildings against Earthquake Forces	Delhi TRANSCO Ltd.	2004-05	1.80

20.	Safety of All India Institute of Medical Sciences (AIIMS) Buildings against Earthquake Forces	AIIMS, New Delhi	2002-06	7.5
21.	Technologies for Retrofitting of Existing Structures and Buildings to make them Earthquake Resistant	TIFAC, DST	2002-05	1.47
22.	Seismic Evaluation of Jamia School Building, New Delhi	JMI, New Delhi	2002	0.8
23.	Evaluation of Existing Utility Buildings of Delhi Vidyut Board	DVB, Delhi	2002	0.17
24.	Preparation of Guidelines for Earthquake Resistant Building Construction	TISCO	2001-02	4.0
25.	Retrofitting of AIR Buildings at Bhuj	AIR	2001	0.35

SHORT-TERM TRAINING PROGRAMMES ORGANISED

1. *Earthquake Resistant Design of Buildings*, Dehradun, ADPC Bangkok, July 29-August 2, 2002.
2. *Design and Construction of Earthquake Resistant Structures*, Bangalore, DST, New Delhi, August 6-10, 2002.
3. *Earthquake Resistant Design of Buildings*, Nainital, ADPC Bangkok, October 16-20, 2002.
4. *Seismic Codes Applicable to Structures*, ALSTOM Projects India Ltd., New Delhi, January 30-31, 2004.
5. NPEEE Short-Term Course on *Earthquake Engineering* for Polytechnic Teachers, IIT Roorkee, June 5-9, 2004.
6. NPEEE Short-Term course on *Seismic Evaluation and Retrofit*, IIT Roorkee, December 19-24, 2005.
7. NPEEE Short-Term Course on *Earthquake Engineering* for Polytechnic Teachers, IIT Roorkee, May 22-27, 2006.
8. NPEEE Short-Term course on *Earthquake Resistant Design of RC Buildings*, IIT Roorkee, July 24-29, 2006.
9. IITR-BMTPC Course on *Earthquake Resistant Design and Construction of Buildings*, September 18-22, 2006.
10. IITR-BMTPC Course on *Performance Based Design and Retrofitting of Buildings Against Earthquake*, NOIDA, January 08-12, 2007.

11. NPCBEERM Short-Term course on *Earthquake Risk Management*, IIT Roorkee, May 7-19, 2007.
12. Retrofit Clinic Training Programme on *Vulnerability Assessment and Retrofitting*, IIT Roorkee, July 31-August 05, 2007.
13. IITR-BMTPC Course on *Codal Practices on Earthquake Resistant Design and Construction*, BIS Training Institute, Sector 62, NOIDA, December 06-08, 2007.
14. NPCBEERM Course on *Earthquake Risk Management*, IIT Roorkee, June 2-14, 2008.
15. NPCBEERM Course on *Earthquake Risk Management*, IIT Roorkee, September 1 -27, 2008.
16. NPCBEERM Course on *Earthquake Risk Management*, IIT Roorkee, November 3-29, 2008.
17. SAARC Short-Term Course on *Earthquake Risk Mitigation*, March 30- April 04, 2009.
18. IITR-BMTPC course on *Codal Practices on Earthquake Resistant Design and Construction*, India Habitat Center, January 28-30, 2010.
19. IITR-NTU Training Programme on *Seismic Strengthening*, IIT Roorkee, May 17-21, 2010.
20. INAE Course on *Disaster Mitigation & Management for undergraduate Civil Engineering Students*, Centre of Excellence in Disaster Mitigation and Management and Department of continuing Education, IIT Roorkee, June 1 - 30, 2010.
21. SAARC Training Programme on *Earthquake Risk Mitigation*, IIT Roorkee, September 15-21, 2010.
22. SAARC Training Programme on *Earthquake Risk Mitigation*, Greater Noida Extension Center, IIT Roorkee, June 06-17, 2011.
23. IITR-BMTPC course on *Codal Practices on Earthquake Resistant Design and Construction*, India Habitat Center, September 1-3, 2011.
24. IITR-BMTPC course on *Codal Practices on Earthquake Resistant Design and Construction*, India Habitat Center, December 28-30, 2011.
25. SAARC Training Programme on *Techniques for Earthquake Resistant Structures for Engineers and Architects*, IIT Roorkee, June 18-29, 2012.
26. IITR-BMTPC course on *Codal Practices on Earthquake Resistant Design and Construction*, India Habitat Center, December 27-29, 2012.
27. IITR-BMTPC Training Programme on *Construction of Buildings in Hill Areas of Uttarakhand for Rural Engineering Service Department*, Dehradun, March 01, 2014.

28. International Course on *Techniques for Earthquake Resistant Design & Retrofitting in South Asia*, for Participants from SAARC countries, March 19-30, 2014.
29. Indo-Norwegian Training Programme on *Seismic Design of Multi-storey Buildings: IS 1893 vs. Eurocode 8*, May 26 - 28, 2014, India Habitat Centre, New Delhi.
30. Indo-Norwegian Training Programme on *Seismic Design of Multi-storey Buildings: IS 1893 vs. Eurocode 8*, October 13-15, 2014, India Habitat Centre, New Delhi.
31. Indo-Norwegian Training Programme on *Nonlinear Modelling and Seismic Response Evaluation of Structures*, December 14-16, 2014, Indian Institute of Technology Roorkee.
32. Indo-Norwegian Training Programme on *Seismic Design of Multi-storey Buildings: IS 1893 vs. Eurocode 8*, May 27-29, 2015, India Habitat Centre, New Delhi.
33. Indo-Norwegian Training Programme on *Seismic Design of Multi-storey Buildings: IS 1893 vs. Eurocode 8*, May 31-June 2, 2015, BIT, Bangalore.
34. Indo-Norwegian Training Programme on *Nonlinear Modelling Analysis and Performance based Design of Multistorey Buildings*, December 3-5, 2015, India Habitat Centre, New Delhi.

LIST OF PUBLICATIONS

In Journals

1. Praveen Kamath, Umesh Kumar Sharma, Virendra Kumar, Pradeep Bhargava, Asif Usmani, Bhupinder Singh, Yogendra Singh, Jose Torero, Martin Gillie, Pankaj Pankaj, "Full-scale fire test on an earthquake-damaged reinforced concrete frame" *Fire Safety Journal*, 73 (2015) 1-19. DOI: 10.1016/j.firesaf.2015.02.013.
2. Deepshikha Chaudhury and Yogendra Singh, "Performance-based Design of RC Frame Buildings with Metallic and Friction Dampers," *J. Inst. Eng. India, Ser. A*, November (2014) DOI: 10.1007/s40030-014-0089-4
3. Rakhi Kulkarni, Shrabony Adhikary, Yogendra Singh, and Anirban Sengupta, "Seismic Performance of a Bridge with Tall Piers" *ICE-Bridge Engineering*, (2014).
4. Sachin B. Kadam, Yogendra Singh & Bing Li, "Out-of-plane Behaviour of Unreinforced Masonry Strengthened using Ferrocement Overlay," *Materials and Structures*, August (2014), DOI 10.1617/s11527-014-0390-8.

5. Umesh Kumar Sharma, Virendra Kumar, Praveen Kamath, Bhupinder Singh, Pradeep Bhargava, Yogendra Singh, Asif Usmani, Jose Torero, Martin Gillie and Pankaj Pankaj, "Testing of Full-scale RC Frame under Simulated Fire Following Earthquake," *Journal of Structural Fire Engineering*, Volume 5, Number 3, September 2014.
6. Shrabony Adhikary, Yogendra Singh, and D.K.Paul, "Effect of Soil Depth on Inelastic Seismic Response of Structures," *Soil Dynamics and Earthquake Engineering* 61-62 (2014) 13-28.
7. Sachin B. Kadam, Yogendra Singh, and Bing Li, "Strengthening of Unreinforced Masonry using Welded Wire Mesh and Micro-Concrete - Behaviour under In-Plane Action," *Construction and Building Materials* 54 (2014) 247-257.
8. Vijay Namdev Khose, and Yogendra Singh, "An Anomaly in Equivalent Linearization Approach for Estimation of Inelastic Response," *Earthquake Spectra*, Volume 30, No. 2, pages 965-972, May 2014.
9. Yogendra Singh, Dominik H. Lang, JSR Prasad, and Rajesh Deoliya, "An Analytical Study on the Seismic Vulnerability of Masonry Buildings in India," *Journal of Earthquake Engineering*, 17:399-422, 2013.
10. Putul Haldar, Yogendra Singh, D.K. Paul, "Identification of Seismic Failure Modes of URM Infilled RC Frame Buildings," *Engineering Failure Analysis*, 33 (2013) 97-118.
11. B. K. Maheshwari, M. L. Sharma, Y. Singh & A. Sinvhal, "Geotechnical Aspects of Sikkim Earthquake of September 18, 2011," *Indian Geotechnical Journal* (April-June 2013) 43(2):170-179.
12. Putul Haldar, Yogendra Singh, Dominik H. Lang, and D.K. Paul, "Comparison of Seismic Risk Assessment Based on Macroseismic Intensity and Spectrum Approaches using 'SeisVARA'", *Soil Dynamics and Earthquake Engineering*, 48 (2013) 267-281.
13. M. L. Sharma, A. Sinvhal, Y. Singh, and B. K. Maheshwari, "Damage Survey Report for Sikkim Earthquake of 18 September 2011," *Seismological Research Letters*, Volume 84, Number 1, January/February 2013, pp. 49-56.
14. Putul Haldar and Yogendra Singh, "Modeling of URM Infills and their Effect on Seismic Behavior of RC Frame Buildings," *Special Issue on Advances in Infilled Framed Structures: Experimental & Modelling Aspects*, in *The Open Construction and Building Technology Journal*, Vol. 6, (Suppl. 1-M1), October 2012, pp. 35-41.
15. Vijay Namdev Khose, Yogendra Singh, and Dominik H. Lang, "A Comparative Study of Design Base Shear for RC Buildings in Selected Seismic Design Codes," *Earthquake Spectra*, Vol. 28, No. 3, August 2012, pp. 1047-1070.
16. Umesh Kumar Sharma, Pradeep Bhargava, Bhupinder Singh, Yogendra Singh, Virendra Kumar, Praveen Kamath, Asif Usmani, Jose Torero, Martin Gillie, Pankaj Pankaj, Ian May, and Jiang Zhang, "Full-scale Testing of a Damaged RC frame in Fire", *ICE-Structures and Buildings*, Volume 165, Issue 7, July 2012, pp. 335-346.
17. Putul Haldar, Yogendra Singh and D.K. Paul, "Effect of URM Infills on Seismic Vulnerability of Indian Code Designed RC Frame Buildings," *Earthquake Engineering & Engineering Vibrations*, Vol. 11, No. 2, June 2012, pp. 233-241.

18. Dominik H. Lang, Yogendra Singh, and J.S.R. Prasad, "Comparing Empirical and Analytical Estimates of Earthquake Loss Assessment Studies for the City of Dehradun, India," *Earthquake Spectra*, Volume 28, No. 2, pp. 595-619, May 2012.
19. S M Rizwan and Y Singh, "Effect of Strength Eccentricity on Torsional Behaviour of RC frame Buildings," *The Institution of Engineers (I): Series A*, Vol. 93, No. 1, February-April, 2012, pp. 15-26.
20. Shrabony Adhikary and Yogendra Singh, "Limitations of Soil Amplification Provisions in the 2002 Indian Seismic Code," *Journal of Earthquake Engineering*, 16:1, Jan. 2012, pp. 1-14.
21. Goutam Ghosh, Yogendra Singh, and Shashi Kant Thakkar, "Seismic Response of Continuous Bridge with Isolation Bearings," *ICE-Bridge Engineering*, Vol. 164, Issue BE4, December 2011, pp. 211-225.
22. Vijay N Khose, Yogendra Singh, and Pankaj Agarwal, "Distress Investigation and Retrofit of a Pyramid Shaped RC Building for Thermal and Seismic Effects," *Journal of Performance for Constructed Facilities*, ASCE, Vol. 25, No. 3, June 1, 2011, pp. 181-188.
23. Goutam Ghosh, Yogendra Singh and Shashi Kant Thakkar, "Seismic Response of A Continuous Bridge with Bearing Protection Devices," *Engineering Structures*, Volume 33, Issue 4, April 2011, pp. 1149-1156.
24. Prithvi Raj K., Umesh K. Sharma, Yogendra Singh, Pradeep Bhargava, N.M. Bhandari, "Seismic Evaluation of Flat Slab Buildings with Shear Walls" *The IUP Journal of Science and Technology*, Vol. 7, No. 1, March 2011, pp. 7-18.
25. Ratnesh Kumar, Yogendra Singh, and Sudhanshu Tripathi, "Effect of Building Performance on Floor Response Spectra" *Journal of Struct. Eng.*, Vol. 37, No. 6, February-March 2011, pp. 421-425.
26. Yogendra Singh and Raja A. M., "Comparative Study of Alternative Structural Systems for the Proposed Large-Scale Testing Facility at IIT Roorkee" *The IUP Journal of Structural Engineering*, Vol. IV, No. 1, January 2011, pp. 65-75.
27. Yogendra Singh, Rameshkumar. A, and Ratnesh Kumar, "Seismic Evaluation and Retrofit of a Historical Masonry Building," *Journal of the Institution of Engineers (I)*, Civil Engineering Division, Vol. 91, November 2010, pp. 23-30.
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