
Ali Kheyroddin



Professor
Civil Engineering Faculty
Semnan University, Semnan, Iran
&

Visiting Professor in the University of Texas at Arlington
(UTA), Texas, USA (2015)



Kheyroddin@semnan.ac.ir

Ali.kheyroddin@uta.edu

Home Page: <http://kheyroddin.semnan.ac.ir>

Educations:

Ph.D. in Structural Engineering, McGill University, Montreal, Canada, 1992-1996.

Ph.D. Thesis:

Nonlinear Finite Element Analysis of Flexure-Dominant Reinforced Concrete Structures.

MSc., Iran University of Science and Technology, Tehran, Iran, 1987-1990.

BSc., Iran University of Science and Technology, Tehran, Iran, 1983-1987.

Positions:

- Professor of Structural Engineering, Faculty of Civil Engineering, Semnan University.
- Invited Visiting Scholar in the University of Texas at Arlington, UTA, TX, USA (2015).
- Chancellor of Semnan University (2006-2014).
- Dean of Engineering Faculty, Semnan University (1998-2002).
- President of Semnan Construction Engineering Organization, Semnan Province, 2003-2006.
- Member of Center of Excellence for Engineering and Management of Civil Infrastructures, University of Tehran, Iran.
- Member of Technical Committee of Chapter 9 (Design of Reinforced Concrete Buildings), Iranian National Building Code, Ministry of Roads and Urban Development, Iran, 2014-present.
- Principle Member and Tutor in Iranian Concrete Institute.
- Member of American Concrete Institute (ACI), 1994-present.
- Principle Member of Iranian Earthquake Institute.
- Editor in Chief of Journal of Rehabilitation in Civil Engineering.
- Member of Founding Organization of Iranian Concrete Scientific Institute.
- Chairman of the 6th National Congress on Civil Engineering, 6NCCE (2011).
- Member of Board of Director Characteristics, Babol University of Technology, 2012 – present.
- Member of Main Committee of Iranian Concrete Code, 2013-present.

Area of Research:

- Reinforced Concrete Structures
- Nonlinear Finite Element Analysis of Reinforced Concrete Structures
- Tall Buildings (Analysis and Design)
- Composite Structures
- High Performance Fiber Reinforced Concrete (HPFRC)
- Rehabilitation and Seismic Retrofitting
- Progressive Collapse
- Neural Networks

Teaching Subjects:

- **a) Graduate Courses**
 - Advanced Reinforced Concrete Structures
 - Analysis and Design of Tall Buildings
 - Rehabilitation and Strengthening of Damaged and Existing Structures
 - Design of Earthquake Resistant Buildings
- **b) Undergraduate Courses**
 - Reinforced Concrete Structures I
 - Reinforced Concrete Structures II
 - Project of Reinforced Concrete Structures
 - Loading on Structures
 - Strength of Materials
 - Repair and Rehabilitation of Structures

Books:

- Lateral resisting systems in tall buildings
- Resilient construction material – science and applications
- Guide to Non-linear and performance analysis in Perform 3D V. 4
- Analysis and design of shear walls
- Loading in structures
- Strengthening of slab-column connections in flat slabs with FRP
- Nonlinear analysis of RC structures with finite element method
- Axial, shear and moment diagrams
- Computer Applications in Structural Engineering

Patents:

- Steel stub stud for strengthening of RC buildings
- Off-centre bracing system with steel circular element

Honors and Awards:

- Distinguished Researcher of Iranian Construction Engineering Organization, 2013.
- Distinguished Teaching Award – 2000 & 2010 (Honored by the Semnan University President).
- Distinguished Research Award, Semnan University, 2001, 2004, 2007, 200^a, 2010, 2013.
- Outstanding paper, Paper of the Year for 2010, (Honored by John Wiley & Sons, Inc.), “Finite Element Analysis and Seismic Rehabilitation of a 1000-Year-Old Heritage Listed Tall Masonry Mosque”. Journal of the Structural Design of Tall and Special Buildings. DOI: 10.1002/tal.599, 2010”.
- Top Distinguished Chancellor of Universities of Iran (Award by the Minister of Ministry of Science, Research and Technology), 2009.
- Distinguished Director of Semnan Province Organizations (Honored by the Semnan Governor), 2009.
- Award of Book of the year of Semnan Province - 2008, (As the author of book of Analysis and design of shear walls, honored by the Semnan Governor).
- Award of Book of the year of Semnan Province - 2009, (As the author of book of “Nonlinear Analysis of RC Structures with Finite Element Method”, honored by the Semnan Governor).

Member of Editorial Board of Scientific Journals:

- International Journal of Engineering (IJE, in English), 2015-present.
- Journal of Rehabilitation in Civil Engineering (JRCE, in English, Editor in Chief), Semnan University, 2012-present.
- International Journal of Civil Engineering (SSRG-IJCE), (in English), 2014 – present.
- Journal of Engineering and Manufacturing Technology (PJEMT), (in English), 2014-present.
- Journal of World Architecture (PJEMT), (in English), Australia (Bio-Byword), (in English), 2018-present.
- Journal of Civil Engineering (in Persian), Ferdowsi University of Mashhad, 2009-present.
- Journal of Concrete Research (in Persian), University of Guilan, 2008-present.
- Journal of Modeling in Engineering, (in Persian), Semnan University, 1999-present
- Journal of Transportation Infrastructure Engineering (JTIE, in Persian), Semnan University, 2014-present

International Journal Papers (ISI):

1. Masoud Ahmadi, Ali **Kheyroddin**, Ahmad Dalvand, Mahdi Kioumarsi, New empirical approach for determining nominal shear capacity of steel fiber reinforced concrete beams, Journal of Construction and Building Materials, 2020, Vol. 234, 117293.

2. Ali **Kheyroddin**, Ebrahim Emami, Ali Khalili, RC Beam–Column Connections Retrofitted by Steel Prop: Experimental and Analytical Studies, *International of Journal of Civil Engineering*, 2019, DOI 10.1007/s40999-019-00481-8.
3. Saberi H, Saberi V, **Kheyroddin** A, Gerami M. Seismic Behavior of Frames with Bolted End Plate Connections Rehabilitated by Welded Haunches Under Near- and Far-Fault Earthquakes. *Int J Steel Struct* 2019;19:672–91. doi:10.1007/s13296-019-00203-9.
4. Haji M, Naderpour H, **Kheyroddin** A. Experimental study on influence of proposed FRP-strengthening techniques on RC circular short columns considering different types of damage index. *Compos Struct* 2019;209:112–28. doi:10.1016/j.compstruct.2018.10.088.
5. Ilkhani MH, Naderpour H, **Kheyroddin** A. A proposed novel approach for torsional strength prediction of RC beams. *J Build Eng* 2019:100810.
6. Ahmadi M, Naderpour H, **Kheyroddin** A. A Proposed Model for Axial Strength Estimation of Non-compact and Slender Square CFT Columns. *Iran J Sci Technol Trans Civ Eng* 2019;43:131–47.
7. Saghafi MH, Shariatmadar H, **Kheyroddin** A. Seismic Behavior of High-Performance Fiber-Reinforced Cement Composites Beam-Column Connection with High Damage Tolerance. *Int J Concr Struct Mater* 2019;13. doi:10.1186/s40069-019-0334-3.
8. Noroozi R, Shafabakhsh G, **Kheyroddin** A, Mohammadzadeh Moghaddam A. Investigating the effects of recycled PET particles, shredded recycled steel fibers and Metakaolin powder on the properties of RCCP. *Constr Build Mater* 2019;224:173–87. doi:10.1016/j.conbuildmat.2019.07.012.
9. Hosseini SA, **Kheyroddin** A, Mastali M. An experimental investigation into the impacts of eccentric openings on the in-plane behavior of squat RC shear walls. *Eng Struct* 2019;197. doi:10.1016/j.engstruct.2019.109410.
10. Ilkhani MH, Naderpour H, **Kheyroddin** A, Soft Computing-based Approach on Capacity Prediction of FRP Strengthened RC Joints, *Scientia Iranica*, 2019.
11. Bahri F, Kafi MA, **Kheyroddin** A. Full-scale experimental assessment of new connection for columns in vertically mixed structures. *Struct Des Tall Spec Build* 2019;28. doi:10.1002/tal.1629.
12. Mashhadiali N, **Kheyroddin** A. Quantification of the seismic performance factors of steel hexagrid structures. *J Constr Steel Res* 2019;157:82–92. doi:10.1016/j.jcsr.2019.02.013.
13. Safakhah S, Zahrai SM, **Kheyroddin** A. Using two-stage method in reinforced concrete bridge piers for damage quantification. *Proc Inst Civ Eng Struct Build* 2019;172:422–36. doi:10.1680/jstbu.17.00201.
14. **A. Kheyroddin**, M. Gholhaki, Gh. Pachideh, " Seismic Evaluation of Reinforced Concrete Moment Frames Retrofitted with Steel Braces Using IDA and Pushover Methods in the Near-Fault Field", *Journal of Rehabilitation in Civil Engineering*, Volume 7, Issue 1 - Serial Number 13, Winter 2019, Page 1-15.
15. Parsa E, Sharbatdar MK, **Kheyroddin** A. Investigation of the Flexural Behavior of RC Frames Strengthened with HPFRCC Subjected to Lateral Loads. *Iran J Sci Technol - Trans Civ Eng* 2019;43:231–40. doi:10.1007/s40996-018-0133-0.

16. Dabiri H, **Kheyroddin A**, Kaviani A. A Numerical Study on the Seismic Response of RC Wide Column–Beam Joints. *Int J Civ Eng* 2019;17:377–95. doi:10.1007/s40999-018-0364-2.
17. Jamkhaneh ME, Kafi MA, **Kheyroddin A**, Amiri MS. Progressive collapse resistance of a composite steel and concrete structural frame. *Proc Inst Civ Eng Struct Build* 2019;172:197–213. doi:10.1680/jstbu.17.00149.
18. Kargaran A, **Kheyroddin A**. Experimental investigation of strengthening of RC short columns using high strength reinforcement. *Eur J Environ Civ Eng* 2019.
19. Arshadi H, **Kheyroddin A**. Shear lag phenomenon in the tubular systems with outriggers and belt trusses. *Mag Civ Eng* 2019;86:105–18. doi:10.18720/MCE.86.10.
20. Bafti FG, Mortezaei A, **Kheyroddin A**. The length of plastic hinge area in the flanged reinforced concrete shear walls subjected to earthquake ground motions. *Struct Eng Mech* 2019;69:651–65. doi:10.12989/sem.2019.69.6.651.
21. Ebadi Jamkhaneh M, Kafi MA, **Kheyroddin A**. Behavior of partially encased composite members under various load conditions: Experimental and analytical models. *Adv Struct Eng* 2019;22:94–111. doi:10.1177/1369433218778725.
22. Ali **Kheyroddin**, Reza Sepahrad, Mohammad Saljoughian, Mohammad Ali Kafi, Experimental evaluation of RC frames retrofitted by steel jacket, X- brace and X- brace having ductile ring as a structural fuse, *Journal of Building Pathology and Rehabilitation* (2019), 4:11, doi.org/10.1007/s41024-019-0050-z
23. Asgari M, **Kheyroddin A**, Naderpour H. Evaluation of project critical success factors for key construction players and objectives. *Int J Eng Trans B Appl* 2018; 31:228–40. doi:10.5829/ije.2018.31.02b.06.
24. Jalilzadeh Afshari M, **Kheyroddin A**, Gholhaki M. The effect of constant and seasonal changes of ambient conditions on long-term behavior of high-rise concrete structures. *Struct Des Tall Spec Build* 2018;27. doi:10.1002/tal.1548.
25. Safakhah S., **Kheyroddin A.**, Zahrai S.M. Experimental study on damage detection of RC bridge piers under ambient vibration. *Journal of Vibroengineering*, Vol. 20, Issue 2, 2018, p. 1087-1098. <https://doi.org/10.21595/jve.2017.18997>.
26. Abavisani I, Rezaifar O, **Kheyroddin A**. Alternating magnetic field effect on fine-aggregate steel chip-reinforced concrete properties. *J Mater Civ Eng* 2018;30. doi:10.1061/(ASCE)MT.1943-5533.0002267.
27. Mazaheri H, Rahami H, **Kheyroddin A**. Static and dynamic analysis of cracked concrete beams using experimental study and finite element analysis. *Period Polytech Civ Eng* 2018; 62:337–45. doi:10.3311/PPci.11450.
28. Afshari MJ, **Kheyroddin A**, Gholhaki M. Simplified time-dependent column shortening analysis in special reinforced concrete moment frames. *Period Polytech Civ Eng* 2018; 62:232–49. doi:10.3311/PPci.10679.
29. Arshadi, H- **Kheyroddin, A-** Naderpour, H. An investigation into the behavior of special moment frames with high-strength reinforcement subjected to cyclic loading. *Journal of Building Engineering* 2019; <https://doi.org/10.1016/j.job.2019.100905>.

30. **Kheyroddin, A-** Kargaran, A. Experimental investigation of seismic strengthening of reinforced concrete short columns using externally bonded reinforcement, near surface mounted, and hybrid techniques. *Journal of Composite Materials* 2019; <https://doi.org/10.1177/0021998319874499>.
31. Arshadi, H- **Kheyroddin, A-** Naderpour, H. High-strength reinforcement effects on the seismic behaviour of beam-column joints. *Proceedings of the Institution of Civil Engineers - Structures and Buildings* 2019; <https://doi.org/10.1680/jstbu.18.00225>.
32. Fallah, MM- Sharbatdar, MK- **Kheyroddin, A.** Experimental Strengthening of the Two-way Reinforced Concrete Slabs with High Performance Fiber Reinforced Cement Composites Prefabricated Sheets. *Journal of Rehabilitation in Civil Engineering* 2019; 42-59. DOI: [10.22075/JRCE.2018.14532.1266](https://doi.org/10.22075/JRCE.2018.14532.1266).
33. Saghafi, MH- Shariatmadar, H- **Kheyroddin, A.** Experimental Evaluation of High-Performance Fiber Reinforced Cement Composites Behavior. *Sharif Journal of Civil Engineering*, 2019, 37-46. [10.24200/j30.2019.1425](https://doi.org/10.24200/j30.2019.1425).
34. Kazemi, M- Kafi, MA- Hajforoush, M- **Kheyroddin, A.** Cyclic behaviour of steel ring filled with compressive plastic or concrete, installed in the concentric bracing system. *Asian Journal of Civil Engineering* 2019; pp 1-11. <https://doi.org/10.1007/s42107-019-00181-7>.
35. Mohammadi, M- Kafi, MA- **Kheyroddin, A-** Ronagh, HR. Experimental and numerical investigation of an innovative buckling-restrained fuse under cyclic loading. *Structures* 2019; Pages 186-199 <https://doi.org/10.1016/j.istruc.2019.07.014>.
36. Naderpour, H- **Kheyroddin, A-** Mortazavi, S. Risk Assessment in Bridge Construction Projects in Iran Using Monte Carlo Simulation Technique. *Practice Periodical on Structural Design and Construction* 2019; [https://doi.org/10.1061/\(ASCE\)SC.1943-5576.0000450](https://doi.org/10.1061/(ASCE)SC.1943-5576.0000450).
37. Mohammadi Jalilzadeh Afshari, MG- **Kheyroddin, A.** A comparative overview of the most reliable methods of estimating the long-term behavior of concrete under conventional one-step and nonlinear sequential analysis. *Sharif Journal of Civil Engineering* 2019; DOI: [10.24200/j30.2019.1436](https://doi.org/10.24200/j30.2019.1436).
38. **Kheyroddin, A-** Sharbatdar, MK- Farahani, A. Effect of Structural Height on the Location of Key Element in Progressive Collapse of RC Structures, *Civil Engineering Infrastructures Journal*, 52(1): 41 – 58, June 2019.
39. S. Hemati, Mohammad A. Barkhordare Bafghi, **A. Kheyroddin**, Experimental investigation of pod on the behavior of all-steel buckling restrained braces, *Journal of Constructional Steel Research*, 2018, No.150, 186-194, [Doi.org/10.1016/j.jcsr.2018.08.010](https://doi.org/10.1016/j.jcsr.2018.08.010).
40. **Kheyroddin, A-** Gholhaki, M- Pachideh, Gh. Seismic Evaluation of Reinforced Concrete Moment Frames Retrofitted with Steel Braces Using IDA and Pushover Methods in the Near-Fault Field. *Journal of Rehabilitation in Civil Engineering*, 2019; Page 227-241. DOI: [10.22075/JRCE.2018.12347.1211](https://doi.org/10.22075/JRCE.2018.12347.1211).
41. **A. Kheyroddin**, M. Kioumars, B. Kioumars, A. Faraee, "Effect of lateral structural systems of adjacent buildings on pounding force", *EARTHQUAKES AND STRUCTURES*, Vol. 14, No. 3 (2018), pp 229-239.
42. **A. Kheyroddin**, N. Mashhadiali, (2018). Response modification factor of concentrically braced frames with hexagonal pattern of braces, *Journal of Constructional Steel Research*, Vol. 148, 658-668.

43. N. Mashhadiali, **A. Kheyroddin**, (2018). Seismic performance of concentrically braced frame with hexagonal pattern of braces to mitigate soft story behavior, *Journal of Engineering Structures*, Vol. 175, 27-40
44. Z. Andalib, M. A. Kafi, **A. Kheyroddin**, M. Bazzaz, S.B. Momenzadeh, Numerical evaluation of ductility and energy absorption of steel rings constructed from plates, *Journal of Engineering Structures*, Vol. 169, 2018, 94-106.
45. N. Mashhadiali, **A. Kheyroddin**, F. Kheyroddin, (2018). 'Optimum Design of Tall Tube-Type Building: An Approach to Structural Height Premium'. *World Academy of Science, Engineering and Technology*, International Science Index, Civil and Environmental Engineering, 12(6), 2176.
46. Hashemi, E.S., **Kheyroddin**, A., Gerami, M., (2018), Probabilistic seismic assessment of concrete frame with mass irregularity, *Magazine of Civil Engineering*, 82(6), pp 49-59.
Doi: 10.18720/MCE.82.5.
47. M. Asgari, **A. Kheyroddin**, H. Naderpour, Evaluation of Project Critical Success Factors for Key Construction Players and Objectives, *International Journal of Engineering (IJE)*, IJE TRANSACTIONS B: Applications Vol. 31, No. 2, (February 2018) 228-240.
48. M. J. Afshari, **A. Kheyroddin**, M. Gholhaki, (2018), "The effect of constant and seasonal changes of ambient conditions on long- term behavior of high- rise concrete structures", *Journal of The Structural Design of Tall and Special Buildings*, doi.org/10.1002/tal.1548.
49. M. J. Afshari, **A. Kheyroddin**, M. Gholhaki, (2018), "Simplified Time-Dependent Column Shortening Analysis in Special Reinforced Concrete Moment Frames". *Periodica Polytechnica, Civil Engineering*, Vol. 62 (1), 232-249.
50. M. Gholhaki, **A. kheyroddin**, M. Hajforoush, M. Kazemi, (2018), " An investigation on the fresh and hardened properties of self-compacting concrete incorporating magnetic water with various pozzolanic materials, *Journal of Construction and Building Materials*, Vol. 158, 173-180.
51. E. Parsa, M.K. Sharbatdar, **A. Kheyroddin**, "Investigation of the Flexural Behavior of RC Frames Strengthened with HPRCC Subjected to Lateral Loads", *A. Iran J Sci Technol Trans Civ Eng* , 2018.
52. H. Mazaheri, H. Rahami, **A. Kheyroddin**, (2018), "Crack Detection in Concrete Beam Using Optimization Method", *Int. J. Optim. Civil Eng.*, Vol. 8(3), 329-345.
53. **A. Kheyroddin**, M.K. Sharbatdar, A. Farahani, "Finding Critical Element in the Progressive Collapse of RC Structures Using Sensitivity Analysis", *CIVIL ENGINEERING JOURNAL*, Vol. 4, No. 12, 2018, pp. 3038-3057.
54. S. Hemati, M. A. Barkhordare Bafghi, **A. Kheyroddin** "End Detailing Experimental Study on the Seismic Performance of All-Steel Tubular BRBs", *EPH - International Journal of Science And Engineering*, Volume 4, Issue-12, Dec, 2018.
55. H. Nadeprour, A. Kiani, **A. Kheyroddin**, "Structural Control of RC Buildings Subjected to Near-Fault Ground Motions in terms of Tuned Mass Dampers", *Scientia Iranica*, Ref. No: SCI-1711-1365, 2018.
56. **A. Kheyroddin**, A. R. Ezodin, " Study on the Effect of the Position of X-bracing Arrangement in the Steel Structures with a Triangular Plan", *Numerical Methods in Civil Engineering*, Vol. 2, No. 2, December. 2017, pp.11-27.

57. **A. Kheyroddin**, H. Arshadi, F. Binaipur, (2017), "An Overview of the Effects of High-Strength Reinforcement (HSR) on the Intermediate Moment-Resisting Frames", *AUT Journal of Civil Engineering*, 1(2), 177-188.
58. I. Abavisani, O. Rezaifar, **A. Kheyroddin**, (2017), "Magneto-Electric Control of Scaled-Down Reinforced Concrete Beams." *ACI Structural Journal*, Vol. 114, No. 1 233-244.
59. I. Abavisani, O. Rezaifar, **A. Kheyroddin**, (2017), "Alternating Magnetic Field Effect on Fine-aggregate Concrete Compressive Strength." *Journal of Construction and Building Materials*, Vol. 134, 83-90.
60. O. Rezaifar, I. Abavisani, **A. Kheyroddin**, (2017), "Magneto-Electric Active Control of Scaled-Down Reinforced Concrete Columns" *ACI Structural Journal*, Vol. 114, No. 5 1351-1362.
61. M. Ahmadi, H. Naderpour, **A. Kheyroddin**, A. H. Gandomi, (2017): "Seismic Failure Probability and Assessment of Steel-Concrete Composite Structures". *Periodica Polytechnica. Civil Engineering*, Vol. 61 (4), 939
62. M. J. Afshari, **A. Kheyroddin**, M. Gholhaki, (2017): "Simplified Sequential Construction Analysis of Buildings with the New Proposed Method". *Structural Engineering and Mechanics*, Technopress, No. (1), 77-88
63. B. Kioumars, **A. Kheyroddin**, M. Gholhaki, M. Kioumars, and S. Hooshmandi, (2017): "Effect of Span Length on Behavior of MRF Accompanied with CBF and MBF Systems". *Procedia Engineering*. 171, 1332-1340
64. **A. Kheyroddin**, M. Mirrashid, H. Arshadi, (2017): "An Investigation on the behavior of Concrete Cores in Suspended Tall Buildings". *Iranian Journal of Science and Technology, Transactions of Civil Engineering*, Vol.4, No. 4, pp. 383-388.
65. M. Asghari, **A. Kheyroddin**, and H. Naderpour, (2017): "A Proposal Model for Estimation of Project Success in Terms of Radial Based Neural Networks: A Case Study in Iran". *Civil Engineering Journal* 3 (10), 904-919
66. A. Afzali, A. Mortezaei, **A. Kheyroddin**, (2017): "Seismic Performance of High-Rise RC Shear Wall Buildings Subjected to Ground Motions with Various Frequency Contents", *Civil Engineering Journal* 3 (8), 568-584
67. M. A. Abbaszadeh, M. K. Sharbatdar, and **A. Kheyroddin**, (2017): "Performance of Two-Way RC Slabs Retrofitted by Different Configurations of High Performance Fiber Reinforced Cementitious Composite Strips". *The Open Civil Engineering Journal* 11 (1).
68. Saberi, V., Gerami, M., **Kheyroddin, A.**, (2017): "Post Tensioned Tendons for Seismic Retrofitting of Weak Bolted T-stub Connections." *International Journal of Steel Structures*, 17 (3), 877-891.
69. H. Beiraghi, **A. Kheyroddin**, M. A. Kafi, (2017): "Effect of Record Scaling on the behavior of Reinforced Concrete core-wall Buildings subjected near-fault and far-fault earthquakes", *Scientia Iranica. Transaction A, Civil Engineering* 24 (3), 884
70. H. Saberi, **A. Kheyroddin**, M. Gerami, (2017): "Seismic Strengthening of Weak Bolted End Plate Connections Using Welded Haunches", *International Journal of Steel Structures* 17 (2), 743-755
71. M. A. Abbaszadeh, M. K. Sharbatdar, **A. Kheyroddin**, (2017): "Strain Hardening Cementitious Composites for Retrofitting Two-Way RC Slabs". *Journal of Fundamental and Applied Sciences* 9 (2), 1251-1282
72. **A. Kheyroddin**, H. Beiraghi, (2017): "Wind-Induced Response of Half-Storey Outrigger Brace System in Tall Buildings", *Current Science* (00113891) 112 (4)

73. S. A. Y. Abatari, O. Rezaifar, **A. Kheyroddin**, (2017): "Decision Making for Motivation of Construction Site Personnel", *Journal of Engineering and Applied Sciences* 12 (7), 1846-1852
74. H. Dabiri, **A. Kheyroddin**, (2017): "An Analytical Study into the Seismic Behavior of RC Pier with Elastomeric Materials", *Asian Journal of Civil Engineering (BHRC)* 18 (7), 1183-1193
75. A. H. Karimi, M. S. Karimi, **A. Kheyroddin**, A. Amirshahkarami, (2017): "Nonlinear Modeling of Unreinforced Masonry Wall Under In-Plane Load and Investigation of the Effect Of Various Parameters", *Journal of Structural and Construction Engineering* 3 (49), 21-34
76. Mazaheri, H., Rahami, H., **Kheyroddin, A.** (2017), "Static and Dynamic Analysis of Cracked Concrete Beams Using Experimental Study and Finite Element Analysis", *Periodica Polytechnica Civil Engineering*, <https://doi.org/10.3311/PPci.11450>
77. Kioumarsi, M., Parsa, E., Sharbatdar, M.K., **Kheyroddin, A.**, (2017), "Ductility and Structural characteristics of RC Damaged frames strengthened with HPFRCC Layer." *Journal of Nordic Concrete Federation*, Vol 22, No 55 27-35.
78. Kioumarsi, M., Tajfar, M., **Kheyroddin, A.**, Kioumarsi, B., (2017), "Investigation of the Seismic Response of Reinforced Concrete Column-Beam Connections Using High Performance Fiber Reinforced Cementitious Composites (HPFRCC)." *Journal of Nordic Concrete Federation*, Vol 22, No 55 36-48.
79. M. Mastali, **A. Kheyroddin**, B. Samali, R. Vahdani, (2016), Optimal Placement of Active Braces by Using PSO Algorithm in Near- and Far- Field Earthquakes, *International Journal of Advanced Structural Engineering* 8:29-44, DOI 10.1007/s40091-016-0111-3.
80. N. Mashhadiali, M. Gholhaki, **A. Kheyroddin**, R. Zahiri-Hashemi, (2016): "Vulnerability Investigation in 3D Framed Tall Buildings with Steel Plate Shear Wall, X-Braced and Moment Frame Subjected to Progressive Collapse", *International Journal of Civil Engineering* 14 (8), 595-608
81. H. Saberi, **A. Kheyroddin**, M. Gerami, (2016): "Welded Haunches for Seismic Retrofitting of Bolted T-Stub Connections and Flexural Strengthening of Simple Connections", *Engineering Structures* 129, 31-43
82. B. Kioumarsi, M. Gholhaki, **A. Kheyroddin**, M. Kioumarsi, (2016): "Analytical study of building height effects over Steel Plate Shear Wall Behavior", *International Journal of Engineering and Technology Innovation* 6 (4), 255-263
83. M. Mastali, **A. Kheyroddin**, B. Samali, R. Vahdani, (2016): "Optimal Placement of Active Braces by Using PSO Algorithm in Near-and Far-Field Earthquakes", *International Journal of Advanced Structural Engineering (IJASE)* 8 (1), 29-44
84. **A. Kheyroddin**, R. Omrani, (2016): "Influence of Outrigger-Belt Truss on Behavior of Tall Steel Buildings with Concrete Core and Circular Plan", *Journal of Structural and Construction Engineering* 3 (1), 84-98
85. N. Siahpolo, **A. Kheyroddin**, M. Gerami, (2016): "Analytical Assessment of Pros and Cons for Prevalent Tall Building System in Comparison with Tube System Using Asce7-10 Wind Load Specifications", *Amirkabir Journal of Civil and Environmental Engineering (AMIRKABIR)* 48 (1), 33-35
86. M. Maddahi, **A. Kheyroddin**, (2016): "Assessment of The Progressive Collapse in the Steel Moment Frames with L-Shaped Plan Using Sensitivity Analysis", *Journal of Structural and Construction Engineering* 3 (2), 73-85

87. **A. Kheyroddin**, A. Mortezaei, R. Mahmoudi, (2016): "Rehabilitation of RC Buildings Using Plastic Hinge Relocation with Knee Brace", SHARIF: Civil Engineering 322 (21), 3-17
88. M. H. Saghafi, H. Shariatmadar, **A. Kheyroddin**, (2016): "Experimental Study and Application of High Performance Fiber Reinforced Cementitious Composites for Retrofitting Beam-Column Joints in Rigid-Framed Railway Bridges", Journal of Transportation Infrastructure Engineering (JTIE) 2 (1), 33-51
89. **A. Kheyroddin**, A. Jahan, A. R. Bitaraf, (2016): "Evaluation of Nonlinear Behavior of Moment-Resisting Reinforced Concrete Frame Using the Response Surface Method", SHARIF: Civil Engineering 322 (11), 141-152
90. **Kheyroddin, A.**, Kafi, M.A., Beyraghi, H., (2016). "Effect of record scaling on the behavior of reinforced concrete core-wall buildings subjected to near-fault and far-fault earthquakes." International Journal of Science and Technology,
91. Yazdanparast, S.A., Rezaifar, O., **Kheyroddin, A.**, (2016), "New Approach to Interpret the Firm Evolution." Journal of History Culture and Art Research, Vol 5, No 4 31-47.
92. Gholhaki, M., **Kheyroddin, A.**, Ghorbani, A., (2016), "A Model to Determine the Contractors' Claims of Construction projects." European Online Journal of Natural and Social Sciences, Vol 5, No 4 1084-1098.
93. Saberi, V., Gerami, M., **Kheyroddin, A.**, (2016), "Seismic rehabilitation of bolted end plate connections using post-tensioned tendons." Engineering Structures, Vol 129 18-30.
94. Ghods, S., **Kheyroddin, A.**, Nazeryan, M., Mirtaheri, S.M., Gholhaki, M., (2016), "Nonlinear behavior of connections in RCS frames with bracing and steel plate shear wall." Steel and Composite Structures, Vol 22, No 4 915-935.
95. Mashhadiali, N., Gholhaki, M., **Kheyroddin, A.**, Zahiri-Hashemi R., (2016), "Analytical Evaluation of the Vulnerability of Framed Tall Buildings with Steel Plate Shear Wall to Progressive Collapse." International Journal of Civil Engineering, Vol 14, No 8 595-608.
96. Kioumarsi, B., Gholhaki, M., **Kheyroddin, A.**, Kioumarsi, M., (2016), "Analytical study of building height effect over steel plate shear wall behavior." International Journal of Engineering and Technology Innovation, Vol 6, No 4, 255-263.
97. Gholhaki, M., **Kheyroddin, A.**, Ghorbani, A., (2016), "Claim Causing Assessment in Construction Projects in Iran Using Artificial Neural Networks Model: Radial Basis Function (RBF)." Journal of Engineering and Applied Sciences, Vol 11, No 5, 1122-1127.
98. **A. Kheyroddin**, A. Khalili, E. Emami, M.K. Sharbatdar, 2016. "An innovative experimental method to upgrade performance of external weak RC joints using fused steel prop plus sheets, Accepted in Steel and Composite Structures.", An International Journal, Technopress,
99. Hemmati, A., **Kheyroddin, A.**, Sharbatdar, M.K., Park, Y., Abolmaali, A., (2016), "Ductile behavior of high performance fiber reinforced cementitious composite (HPFRCC) frames." Journal of Construction and Building Materials, Vol 115, 681-689.
100. M. Ahmadi, H. Naderpour, **A. Kheyroddin**, (2016), ANN Model for Predicting The Compressive Strength of Circular Steel-Confined Concrete, International Journal of Civil Engineering (in press).
101. H. Naderpour, A. Ezzodin, **A. Kheyroddin**, Gholamreza Ghodrati Amiri, (2016), Signal processing based damage detection of concrete bridge piers subjected to consequent excitations, Journal Of Vibroengineering. 19 (3)

102. Mashhadiali, N., **Kheyroddin, A.**, Zahiri-Hashemi, R., (2016), "Dynamic increase factor for investigation of progressive collapse potential in tube type tall buildings." *Journal of Performance of Constructed Facilities*, ASCE, Vol 30, No 6, 100-109.
103. Sivandi-Pour, A., Gerami, M., **Kheyroddin, A.**, (2016), "Uniform Damping Ratio for Non-classically Damped Hybrid Steel Concrete Structures", *International Journal of Civil Engineering*, Vol 14, No 1, 1-11.
104. Karimi, A.H., Karimi, M.S., **Kheyroddin, A.**, Shahkarami, A.A., (2016), "Experimental and Numerical Study on Seismic Behavior of an Infilled Masonry Wall Compared to an Arched Masonry Wall." *Journal of Structures*, Vol 8, No 1, 144-153.
105. Beiraghi, H., **Kheyroddin, A.**, and Kafi M.A., (2016), "Energy dissipation of tall core-wall structures with multi-plastic hinges subjected to forward directivity near-fault and far-fault earthquakes", *Journal of The Structural Design of Tall and Special Buildings*, DOI: 10.1002/tal.1284, Vol 25, No 15, 801-820.
106. A. Nikoui, A. Dalvand, M. K. Sharbatdar, **A. Kheyroddin**, (2015): "Experimental and Statistical Investigation on Mechanical Properties and Impact Resistance of Synthetic Fiber Reinforced Concrete", *Iranian Journal of Science and Technology Transactions of Civil Engineering*, 39 449-468
107. A. Ezzodin, H. Naderpour, **A. Kheyroddin**, G. Ghodrati Amiri, (2015): "Damage Localization and Quantification of Beams Using Wavelet Transform", *Journal of Modeling in Engineering* 12 (39), 1-11
108. A. Khalili, M. Ahmadi, E. Emami, **A. Kheyroddin**, (2015): "Prediction of Plastic Hinge Length at the RC Bridge Piers using Artificial Neural Networks Algorithm", *JOURNAL OF CONCRETE RESEARCH* 8 (1), 27-40
109. Ghods, S., **Kheyroddin, A.**, (2015), "Evaluating the Effect of Steel parts on the Behavior of RCS Connections" *Canadian Journal of Basic and Applied Sciences*, Vol 3, No 10, 273-289.
110. Bazzaz, M., Andalib, Z., **Kheyroddin, A.**, Kafi, M.A., (2015), "Numerical comparison of the seismic performance of steel rings in off-centre bracing system and diagonal bracing system." *Steel and Composite Structures*, Vol 19, No 4. 917-937.
111. Bazzaz, M., Kafi, M.A., **Kheyroddin, A.**, Andalib, Z., Esmaeili, H., (2014), "Evaluating the seismic Performance of-cente Bracing System with Circular element in Optimum Place." *International Journal of Steel Structures*, Vol 14, 293-304.
112. Beiraghi, H., **Kheyroddin, A.**, and Kafi M.A., (2015), "Forward directivity near-fault and far-fault ground motion effects on the behavior of reinforced concrete wall tall buildings with one and more plastic hinges", *Journal of The Structural Design of Tall and Special Buildings*, DOI: 10.1002/tal.1270, Vol 25, No 11, 519-539.
113. Beiraghi, H., **Kheyroddin, A.**, and Kafi M.A., (2015): "Nonlinear Fiber Element Analysis of a Reinforced Concrete Shear Wall Subjected to Earthquake Record". *Iranian Journal of Science and Technology, Transactions of Civil Engineering*,
114. **A. Kheyroddin**, D Abdollahzadeh, M. Mastali: (2014) "Improvement of Open and Semi-Open Core Wall System in Tall Buildings by Closing of the Core in the Last Story". *International Journal of Advanced Structural Engineering*, (IJSE), 6 (3), 67

115. M. Bazzaz, M. A. Kafi, **A. Kheyroddin**, Z. Andalib, H. Esmaeili, (2014) "Evaluation of the Seismic Performance of Off-centre Bracing System with Circular Element in Optimum Place". *International Journal of Steel Structures*, 14(2), 293-304.
116. E. Emami, **A. Kheyroddin**, M. K. Sharbatdar, (2014): "Investigation of Steel Prop Effect on Inelastic Behavior of RC Frames Using FE Method", *Modarres Journal of Civil Engineering*, 14 (3)
117. A. Mortezaei, **A. Kheyroddin**, (2014): "Higher Mode Effects in The Pushover Analysis of RC Buildings Subjected to the Near-Fault Ground Motions", *Journal Of Civil Engineering (Journal of School of Engineering)* 25 (2), 1-16
118. M. H. Saghafi, S. Safakhah, **A. Kheyroddin**, M. Mohammadi, (2015): "In-plane Shear Behavior of FRP Strengthened Masonry Walls", *APCBEE Procedia* 9, 264-268
119. Moradi, E.; Naderpour, H.; **Keyroddin, A.**, (2017) "An artificial neural network model for estimating the shear contribution of RC beams strengthened by externally bonded FRP", *Journal of Rehabilitation in Civil Engineering*,
120. Hemmati, A., **Kheyroddin, A.**, Sharbatdar, M.K., (2015) "Increasing the flexural capacity of RC beams using partially HPFRCC layers", *Techno Press, Journal of Computers and Concrete*, Vol. 16, No. 4, 545-568.
121. Hemmati, A., **Kheyroddin, A.**, Sharbatdar, M.K., (2013) "Flexural Behavior of Reinforced HPFRCC Beams", *Journal of Rehabilitation in Civil Engineering*, Vol. 1, 66-77.
122. Rasouli, A., Ghodrati-Amiri, G., **Kheyroddin, A.**, Ghafory-Ashtiani, M., Kourehli, S.S., (2014) "A New method for damage prognosis based on incomplete model data via an evolutionary algorithm", *European Journal of Environmental and Civil Engineering*, Vol. 18, 253-270.
123. A. Khalili, **A. Kheyroddin**, A. Farahani, M.K. Sharbatdar, (2014) "Nonlinear Behavior of RC frames Strengthened with Steel curp and prop", *Scientia Iranica, Transaction A, Civil Engineering* 22 (5), 1712
124. P. Behzard, M. K. Sharbatdar, **A. Kheyroddin** (June, 2015). "Innovative interlock technique for NSM strengthening of RC tow-way slabs with low clear cover thickness" Accepted in *Magazine of Concrete Research*, 2016.
125. P. Behzard, M. K. Sharbatdar, **A. Kheyroddin** (2015). "A Different NSM FRP technique for strengthening of RC two-way slabs with low clear cover thickness" Accepted in *Scientia Iranica*, 2016.
126. Ghazimoradi, M., **Kheyroddin, A.**, Rezaifar, O., (2016) "Diagnosing the Success of Construction Projects during Initial Phases." *Decision Science Letters*, 2016. Vol 5, No 3, 395-406.
127. Ghazimoradi, M., **Kheyroddin, A.**, Rezaifar, O., (2015) "Redefine the success of the project based on the localizing the criteria." *European Online Journal of Natural and Social Sciences*, Vol. 4, No 3, 258-269.
128. M. Bazzaz, Z. Andalib, M. A. Kafi, **A. Kheyroddin**, (2015), "Evaluating the Performance of OBS-CO in Steel Frames under Monotonic Load", *Journal of Earthquakes and Structures*, Vol. 8, No. 3, pp 697-710.
129. Rasouli, A., Kourehli, S.S., Ghodrati Amiri, G., **Kheyroddin, A.**, (2015), "A Two-Stage Method for Structural Damage Prognosis in Shear Frames Based on Story Displacement Index and Modal Residual Force", *Journal of Advances in Civil Engineering*, Volume 2015, Article ID 527537, 15 pages., <http://dx.doi.org/10.1155/2015/527537>.

130. Beiraghi, H., **Kheyroddin, A.**, and Kafi M.A., (2015): "The behavior of core wall in tall buildings capable of two hinges", *Journal of Structural Engineering and Construction*, 2015, 2 (1), 19-33
131. A. Khalili, **A. Kheyroddin**, A. Frahani, (2015) "Study on the effects of steel type of prop, on the nonlinear behavior of RC frames strengthened with steel props", *Earthquakes and Structures an International Journal*, Under Review.
132. A. Khalili, M. Ahmadi, **A. Kheyroddin**, E. Eamee, (2015), "Plastic hinge length prediction of bridges pier using artificial neural networks algorithm", *Concrete Research Magazine (In Persian)*, Under Review.
133. A. Khalili, **A. Kheyroddin**, M. K. Sharbatdar, A Farahani, (2016), "Study on the Nonlinear Behavior of Strengthened RC Frames using Steel Prop and Curb in Connections and Strengthening of Beam and Column", *Journal of Modeling in Engineering (in Persian)*, 14 (46), 25-38.
134. Hoseini Vaez, S.R., Ghodrati Amiri, G., Sharbatdar, M.K., Naderpour, H., **Kheyroddin, A.** (2014), "Prevalent Pulse Modelling for Near-Fault Records during 1978 Tabas and 2003 Bam Earthquakes", *Journal of Science & Technology, Transaction on: Civil Engineering, Sharif University of Technology*, Vol. 30-2, No. 1.2, pp. 107-116.
135. Hoseini Vaez, S.R., Naderpour, H., **Kheyroddin, A.** (2014), "The Effect of RC Core on Rehabilitation of Tubular Structures", *Journal of Rehabilitation in Civil Engineering*, Vol. 2, Issue 2, pp. 61-70.
136. Z. Andalib, M.A. Kafi, **A. Kheyroddin**, M. Bazzaz. (2014), "Experimental Investigation of the Ductility and Performance of Steel Rings Constructed from Plates", *Journal of Constructional Steel Research*, Vol. 103, pp 77-88
137. A. Hemati, **A. Kheyroddin**, M. Sharbatdar, (2014) "Proposed Equations for Estimating the Flexural Characteristics of Reinforced HPFRCC Beams", *International Journal of Science and Technology, Transaction of Civil Engineering*, Vol. 38, No.C2, pp 395-407.
138. H. Saberi, **A. Kheyroddin**, M. Gerami, (2014), "Comparison of Bolted End plate and T-Stub Connections Sensitivity to Bolt Diameter on Cyclic Behavior", *International Journal of Steel Structures*, DOI 10.1007/s13296-014-3021-x, Volume 14, No 3, 633-647.
139. Ahmadi, M., Naderpour, H., **Kheyroddin, A.** (2014), Utilization of Artificial Neural Networks to Prediction of the Capacity of CCFT Short Columns Subject to Short Term Axial Load, *Archives of Civil and Mechanical Engineering, Elsevier*, 14(3), pp. 510-517.
140. V. Saberi, M. Gerami, **A. Kheyroddin**, (2014), "Comparison of Bolted End Plate and T-stub Connection Sensitivity to Component Thickness, *Journal of Constructional Steel Research*", DOI 10.1016/j.jcsr.2014.02.012, Volume 98, , Pages 134–145.
141. A. Sivandi-Pour, M. Gerami, **A. Kheyroddin**, (2015), "Determination of Modal Damping ratios for Non-classically Damped Rehabilitated Steel Structures", *Iranian Journal of Science and Technology Transaction B Civil Engineering*, Vol. 39, No. C1, pp 81-92.
142. Pejman Behzard, Mohammad Kazem Sharbatdar, **Ali Kheyroddin**, "Strengthening of existing RC two-way slabs using new combined FRP fabric/rod technique, *Journal of Rehabilitation in Civil Engineering*, 2015
143. A. Dalvand, M.K. Sharbatdar, **A. Kheyroddin**, (2014), "Assessment of Statistical Variations in Experimental Impact Resistance and Mechanical Properties of Silica Fume Concrete", *International Journal of Scientia Iranica, Transaction A, Civil Engineering* 212 (5), 1577.

144. R. Zahiri-Hashemi, **A. Kheyroddin** M. A. Shayanfar, (2014): "Effect of Inelastic Behavior on the Code-Based Seismic Lateral Force Pattern of Buckling Restrained Braced Frames", Arabian Journal Science and Engineering, DOI 10.1007/s13369-014-1433-8.
145. **Kheyroddin, A.**, Naderpour, H., Ahmadi, M. (2014), Compressive Strength of Confined Concrete in CCFST Columns, Journal of Rehabilitation in Civil Engineering, Vol. 2, No. 1.
146. A. Khalili, **A. Kheyroddin**, A. Frahani, M.K. Sharbatdar, (2014). "Nonlinear behavior of RC frames strengthened with steel curb and prop", Scientia Iranica, International Journal of Science and Technology, Accepted.
147. Dabiri, H. Kavyani, A and **Kheyroddin, A.**, (2014). "Axial Force-Moment Interaction Diagrams to Calculate Shear Wall Reinforcement", Journal of Trends in Life Sciences, Volume3, Special Issue 3, pp. 561-570.
148. M. Fakharifar, A. Dalvand, M. Arezoumandi, M. k. Sharbatdar, G. Chen, **A. Kheyroddin** (2014). "Mechanical properties of high performance fiber reinforced cementitious composites" Construction and building materials.
149. Saberi, H., Saberi, V., **Kheyroddin, A.**, Firouzi, A., (2013), "Numerical Evaluation of Symmetric Prism Method to Analyze the Splitting Forces Due to TBM Jack Loads", Open Journal of Safety Science and Technology DOI:10.4236/ojsst.2013.33006, Vol.3 No.3, Article ID:37087,8 pages .
150. Hoseini Vaez, S.R., Sharbatdar, M.K., Ghodrati Amiri, G.R., Naderpour, H., **Kheyroddin, A.**, (2013), Dominant Pulse Simulation of Near Fault Ground Motions, Earthquake Engineering and Engineering Vibration, Springer, Volume 12, No. 2.
151. Naderpour, H., **Kheyroddin, A.**, Arab Naeni, M., (2013), Cost Optimum Design of Prestressed Concrete Bridge Decks Based on Iran Bridge Loading Code Using Genetic Algorithm, Journal of Transportation Engineering, Accepted in 2013 December 15 (in Persian).
152. Esmaili, H., **Kheyroddin, A.**, Naderpour, H., (2013), Seismic Behavior of Steel Moment Resisting Frames Associated with RC Shear Walls, Iranian Journal of Science & Technology, Vol. 37, No. C+, pp. 395-407.
153. A. Hemati, **A. Kheyroddin**, M.K. Sharbatdar, Plastic Hinge Rotation Capacity of Reinforced HPFRCC Beams, J. of Structural Engineering, 10.1061/(ASCE)ST.1943-541X.0000858 (Apr. 30, 2013).
154. M.H. Saghafi, S. Safakhah, **A. Kheyroddin**, "Seismic Performance of Polymer Fiber Reinforced URM Walls under Incremental Loading", Advances in Environmental Biology, Nov 2013.
155. **A. Kheyroddin**, M. K. Sharbatdar, and A. Hemmati, Structural Applications of HPFRCC in Earthquake Resistant Reinforced Concrete Structures, PEER 2013/26 Dec. 2013, (Pacific Earthquake Engineering Research), Proceedings of the U.S.-Iran Seismic Workshop, Dec. 18-20, 2012, Tehran, Iran
156. R. Zahiri-Hashemi, **A. Kheyroddin** and B. Farhadi, Effective Number of Mega-bracing, in order to Minimize Shear Lag, Structural Engineering and Mechanics, Vol. 48, No. 2 (2013) 173-193 DOI: <http://dx.doi.org/10.12989/sem.2013.48.2.173>

157. A. Hemmati & **A. Kheyroddin**, Behavior of Large-Scale Bracing System in Tall Buildings Subjected to Earthquake Loads, *Journal of Civil Engineering and Management*. Volume 19, Issue 2, April 2013, pages 206-216.
158. N. Mashhadiali and **A. Kheyroddin**, Proposing the Hexagrid System as a New Structural System for Tall Buildings. *The Structural Design of Tall and Special Buildings*. Volume 22, Issue 17, 10 December 2013, Pages: 1310–1329,
159. H. Esmaeili, **A. Kheyroddin**, M. A. Kafi and H. Nikbakht, Comparison of Nonlinear Behavior of Steel Moment Frames Accompanied with RC Shear Walls or Steel Bracings. *The Structural Design of Tall and Special Buildings*. Volume 22, Issue 14, 10 October 2013, Pages: 1062–1074.
160. N. Mashhadiali and **A. Kheyroddin**, Progressive Collapse Assessment of New Hexagrid Structural System for Tall Buildings, *The Structural Design of Tall and Special Buildings*. Article first published online: 24 JUN 2013, DOI: 10.1002/tal.1097.
161. Beiraghi, H., **Kheyroddin, A.**, and Kafi M.A., "Investigation of multi plastic hinge approach in reinforced concrete core-wall tall building under near fault records", *Journal of Concrete Research*, 2013, Vol. 6, No. 2, pp 79-94 (In Persian).
162. **A. Kheyroddin**, M. Gerami and F. Mehrabi, Assessment of the Dynamic Effect of Steel Frame due to Sudden Middle Column Loss. *The Structural Design of Tall and Special Buildings*. Article first published online: 30 OCT 2012, DOI: 10.1002/tal.104.
163. M. Bazzaz, **A. Kheyroddin**, M. A. Kafi, Z. Andalib. Evaluation of the Seismic Performance of Off-centre Bracing System with Ductile Element in Steel Frames. *Steel and Composite Structures*, Vol. 12 No. 5, 2012.
164. A. Mortezaei, **A. Kheyroddin** and H. R. Ronagh, Finite Element Analysis and Seismic Rehabilitation of a 1000-year-old Heritage Listed Tall Masonry Mosque, *The Structural Design of Tall and Special Buildings* Volume 21, Issue 5, May 2012, Pages: 334–353,
165. M. K. Sharbatdar, **A. Kheyroddin**, E. Emami , Cyclic Performance of Retrofitted Reinforced Concrete Beam–Column Joints Using Steel Prop, *Construction and Building Materials*, Volume 36, November 2012, Pages 287-294.
166. Ahmadi, M., **Kheyroddin, A.**, Naderpour, H., (2012), Behavior Research and Comparison between Reliable Codes about Concrete Filled Steel Tubular Column, *Journal of Modeling in Engineering*, Accepted in 2012 July 10.
167. S. M. Khatami, **A. Kheyroddin**, (2012): "Investigating Effect of Size Element in Nonlinear Behavior of Concrete Shear Wall", *Journal of Civil Engineering and Construction Technology*, 3 (9), 236-241
168. **A. Kheyroddin**, F Mehrabi, "Assessment of progressive collapse potential of steel frame due to sudden corner column loss", *Wulfinal Journa*, Vol 19, No. 10. 2012.
169. Naderpour, H., **Kheyroddin, A.**, (2011), Investigation of the Shear Lag in RC Tall Buildings with Tubular Systems, *Journal of Modeling in Engineering*, Vol. 9, No. 26.

170. A. Mortezaei, H. R. Ronagh, **A. Kheyroddin**, Gh. Ghodrati Amiri, (2009), "Effectiveness of Modified Pushover Analysis Procedure for the Estimation of Seismic Demands of Building Subjected to Near-Fault Earthquakes Having Forward Directivity. *The Structural Design of Tall and Special Buildings*. 20(6): 679-699.
171. Naderpour, H., **Kheyroddin, A.**, Ghodrati Amiri, G., Hoseini Vaez, S.R., (2011), "Estimating the Behavior of FRP-Strengthened RC Structural Members Using Artificial Neural Networks" *Journal of Procedia Engineering* (Elsevier), Vol. 14. 3183-3190
172. S.M. Khatami, **A. Kheyroddin**, The Effect of Flange Thickness on the Behavior of Flanged-Section Shear Walls, *Procedia Engineering*, Volume 14, 2011, Pages 2994-3000.
173. **A. Kheyroddin**, H. Naderpour, G. R. Ghodrati Amiri. S. R. Hoseini Vaez, Influence of Carbon Fiber Reinforced Polymers on Upgrading Shear Behavior of RC Coupling Beams, *Iranian Journal of Science and Technology, IJST, Transactions of Civil Eng*, 2011,. Vol.35 No. C2. Pp 155-169.
174. A. Mortezaei, H.R. Ronagh, **A. Kheyroddin**, Seismic Evaluation of FRP Strengthened RC Buildings Subjected to Near-fault Ground Motions Having Fling Step, *Composite Structures*, Volume 92, Issue 5, April 2010, Pages 1200-1211.
175. H. Naderpour, **A. Kheyroddin**, G. Ghodrati Amiri, Prediction of FRP-Confined Compressive Strength of Concrete Using Artificial Neural Networks, *Journal of Composite Structures*, Volume 92, Issue 12, November 2010, Pages 2817-2829.
176. **A. Kheyroddin**, M. H. Saghafi, S. Safakhah, Strengthening of Historical Masonry Buildings with Fiber Reinforced Polymers (FRP), *Advanced Materials Research*, 2010, VOL.133-134, pp903-910.
177. **A. Kheyroddin**, H. Esmaeili, (2009): "Evaluation of RC Shear Wall and Steel Bracing Frame Interaction in Mid-Rise Steel Moment Frame Systems", *Journal of Structural and Steel Research*, 6 31-42
178. **A. Kheyroddin**, A. Amiri, (2012): "Investigation of Balanced Non-linear Behavior of Tie Foundations in Comparison with the Regulations of Iran and NEHRP", *Civil Engineering Infrastructures Journal* 45 (5), 517-527
179. H. Naderpour, **A. Kheyroddin**, (2011): "Shear Lag Phenomenon in RC Tall Buildings with Tubular System", *Journal of Modeling in Engineering* 9 (26), 33-48
180. G. R. Ghodrati Amiri, **A. Kheyroddin**, (2011): "Seismic Vulnerability of RC Structures with Different Floor under Earthquake", *Civil Engineering Infrastructures Journal* 45 (4), 479-486
181. **A. Kheyroddin**, N. Kashiha, (2011): "Investigation of Structural Behavior of Post-Tensioned Slab-Column Connection Subjected to Punching Shear", *Journal of Modeling in Engineering* 8 (23), 37-59
182. **A. Kheyroddin**, A. Kargar, (2011): "Seismic Behavior of Short Column in RC Structures with Different Floor Level", *Journal of Civil Engineering (Journal of School of Engineering)* 22 (1), 129-145

183. A. Hemmati, **A. Kheyroddin**, (2011): "Investigation of Transition Story Effect on Behavior Of Vertically Hybrid Buildings", *Journal of Modeling in Engineering* 9 (26), 57-66
184. **A. Kheyroddin**, H. Naderpour, (2010): "Investigation the Behavior and Comparison of Reliable Codes on Concrete-Steel Composite Columns", *Journal of Modeling in Engineering* 8 (22), 37-49
185. M. Ahmadi, **A. Kheyroddin**, H. Naderpour, (2010): "Investigation the Behavior and Comparison of Reliable Codes on Concrete-Steel Composite Columns", *Journal of Modeling in Engineering* 8 (22), 0-0
186. **A. Kheyroddin**, (2009): "Seismic Behavior of Short Columns in RC Structures on Slope Surface", *Journal of Modeling in Engineering* 4 (18), 59-65
187. **A. Kheyroddin**, H. Naderpour, (2009): "Investigation on the Nonlinear Behavior of Reinforced Concrete Beams Made with High Strength Concrete", *Journal of Civil Engineering (Journal of School of Engineering)* 21 (1), 63-76
188. M. Kioumarsi, E. Parsa, M. K. Sharbatdar, **A. Kheyroddin**, G. Markeset, (2009): "Ductility and structural characteristics of damaged RC frames strengthened with HPFRCC layer", *Nordic Concrete*, 27
189. **A. Kheyroddin**, A. Mortezaie, (2009): 'Size Effects in Reinforced Concrete Flanged Shear Walls, *International Journal Civil Engineering*', Vol.7, No.1, March 2009, pp 27-40.
190. **Kheyroddin, A.**, Naderpour, H., Hoseini Vaez, S.R. (2009), "Proposing a Relationship for Calculating the Strength of Confined Concrete for Bridge RC Columns Strengthened with FRP", *Journal of Transportation Engineering*, Vol. 1, No.1 (in Persian).
191. **Kheyroddin, A.**, and Naderpour, H., (2009), "Nonlinear Behavior of RC Beams with High Strength Concrete", *Journal of School of Engineering*, Vol. 21, No. 1 (in Persian).
192. **Kheyroddin, A.**, Hoseini Vaez, S.R., and Naderpour, H. (2008). "Numerical Analysis of Slab-Column Connections Strengthened with Carbon Fiber Reinforced Polymers", *Journal of Applied Sciences*, Volume 8, No 2, pp. 420-431.
193. **A. Kheyroddin**, H. Naderpour, "Nonlinear Finite Element Analysis of Composite RC Shear Walls", *Iranian Journal of Science & Technology*, Transaction B, Engineering, Vol32, No B2, April 2008, p p 79-89.
194. **A. Kheyroddin**, A. Mortezaie, "The Effect of Element Size and Plastic Hinge Characteristics on Nonlinear Analysis of RC Frames", *Iranian Journal of Science & Technology*, Transaction B, Engineering, Vol.32, No B5, Oct. 2008, pp. 451-470.
195. **A. Kheyroddin**, A. Mortezaie, "Nonlinear Analysis of RC Flanged Shear Walls Considering Tension-Stiffening Effect", *Journal of Applied Sciences* 8(3), 2008, pp. 394-406.
196. **A. Kheyroddin**, H. Naderpour, "Plastic Hinge Rotation Capacity of Reinforced Concrete Beams", *International Journal of Civil Engineering*-March 2007, No. 1, Vol. 15.
197. **A. Kheyroddin**, H. Naderpour, S. R. Hoseini Vaez, "Numerical Analysis of Polymers Slab-Column Connections Strengthened with Carbon Fiber Reinforced", *Journal of Applied Sciences* 8 (3), 2007.

198. **A. Kheyroddin**, A. Mortezaie, "Investigation of Nonlinear Behavior of T-Shaped Shear Walls", International Journal of Civil Engineering, 2004, 2(1): pp. 32-44.
199. **A. Kheyroddin**, "Short-Term Deflection and Flexural Rigidity of Reinforced Concrete Beams", International Journal of Engineering Science, 2002.
200. M. A. Shayanfar, **A. Kheyroddin**, M. S. Mirza, "Element Size Effects in Nonlinear Analysis of Reinforced Concrete Members", Computers & Structures, Volume 62, Issue 2, 1997, Pages 339-352.
201. **Kheyroddin, A.** (1991). "Consideration of P- Δ Effect on the Design of Reinforced Concrete Columns". M.Eng. Thesis, Iran University of Science and Technology, Tehran, Iran.
202. **Kheyroddin, A.**, and Mirza, M.S. (1994). "Investigation of Flexural Rigidity of R C Beams Using Nonlinear Finite Element Analysis", Structural Engineering Report No. 94-1, Department of Civil Engineering and Applied Mechanics, McGill University, Montreal, 143 p.
203. **Kheyroddin, A.**, and Mirza, M.S. (1995a). "Parametric Studies of Flexural Rigidity of Reinforced Concrete Beams", Structural Engineering Report No. 95-2, Department of Civil Engineering and Applied Mechanics, McGill University, Montreal, 109p.
204. **Kheyroddin, A.**, and Mirza, M.S. (1996). "Nonlinear Analysis of RC Frame Structures Using Layered Finite Element and Modified Stiffness Approaches". Third Canadian Conference on Computing in Civil Engineering, CSCE, Aug. 1996 (in preparation).

International Conference Papers :

- Kaviany, A., Dabiri, H. and **Kheyroddin, A.**, The Effect Of Ductility on the Weight of Designed Reinforcement Bars in RC Beam Element According To ACI 318-05, CSA A23,3-04 And Euro Code 8: BS EN1988-1:2004, International Conference on Engineering Sciences, Art and Law, 14-15 April, 2015, Barcelona, Spain.
- Dabiri, H., Kaviany, A. and **Kheyroddin, A.**, (2015), Comparison of the Weight of Reinforcement Bars in RC Structures According to ACI, CSA And EURO Codes Considering the Ductility Effect, International Conference on Human, Architecture, Civil Engineering and City, 15 June 2015, Tabriz, Iran.
- A. Khalili, E. Emamee, **A. Kheyroddin**, Nonlinear behavior of RC frames strengthened with steel gusset plates and curbs, 7th International Conference of Seismology and Earthquake Engineering (SEE7), May 2015, Tehran, Iran.

- Beiraghi, H., **Kheyroddin, A.**, and Kafi M.A., "Investigation the behavior of tall RC core walls subjected to higher mode of vibrations", 6th National Concrete Conference, September 2014, Tehran, Iran.
- Dabiri, H., Kaviany, A. and **Kheyroddin, A.**, Axial Force-Moment Interaction Diagrams to Calculate Shear Wall Reinforcement, International Conference on Engineering, Art Management and Environmental, 11-12 December, 2014, Szczecin, Poland.
- **A. Kheyroddin**, H. Saberi, V. Saberi, Comparison of Designed Proposed Equations in effect of Earthquake on Segmental Lining of Mechanized Tunnels, 7th International Congress on Civil Engineering, 7-8 May 2013, Iran.
- **A. Kheyroddin**, V. Saberi, H. Saberi, A. Firouzi, Review of Influence of Grouting on Moment Capacity of Post-tensioned Concrete Beam due Corrosion, 7th International Congress on Civil Engineering, 7-8 May 2013, Iran.
- **Kheyroddin, A.**, Naderpour, H., Ahmadi, M., (2013), Performance of Circular Concrete Filled Steel Tube Members Subjected to Axial Loading, 4th International Conference on Concrete & Development, Tehran, Iran.
- Arab Naeini, M., **Kheyroddin, A.**, Naderpour, H., and Arab Naeini, R., (2013), Optimization of Post-Tensioned Concrete Box Girder Double-Track Railway Bridges Using Genetic Algorithm, 3rd International Conference on Recent Advances in Railway Engineering (ICRARE-2013).
- Beiraghi, H., **Kheyroddin, A.**, "Behavior of tapered tall buildings including sloped columns", 4th International Conference on Concrete and Developments, April 2013, Tehran, Iran.
- Beiraghi, H., **Kheyroddin, A.**, "Comparison of the shear lag of framed tube and bundled tube systems in RC tall buildings", 5th National Concrete Conference, September 2013, Tehran, Iran.
- Beiraghi, H., **Kheyroddin, A.**, "Effect of outrigger on the tall RC core wall plus framed tube system subjected to wind load ", 5th National Concrete Conference, September 2013, Tehran, Iran.
- Arab Naeini, M., **Kheyroddin, A.**, Naderpour, H., and Arab Naeini, R., (2013), Effect of Live Loads of Iran and AASHTO Codes on Optimum Design of Prestressed Concrete Bridge Superstructures Using Genetic Algorithm, 1st National Conference on Transportation Infrastructures, February 12-13, Tehran, Iran.
- A. Khalili, E. Emaee, **A. Kheyroddin**, Nonlinear behavior of RC frames strengthened with steel gusset plates and curbs, 7th International Conference of Seismology and Earthquake Engineering (SEE7), May 2015, Tehran, Iran.

- Ezzodin, A., Naderpour, H., **Kheyroddin, A.** “Evaluation of Existing Techniques on Structural Health Monitoring of Bridges”, *7th International Conference of Seismology and Earthquake Engineering (SEE7)*, 2015, Tehran, Iran.
- Hoseini Vaez, S.R., Naderpour, H. **Kheyroddin, A.**, (2012), An Investigation on the Effect of Core on Shear Lag in Tubular Structures, 9th International Congress on Civil Engineering, May 8-10, Isfahan, Iran.
- Naderpour, H., **Kheyroddin, A.** Arab Naeini, M. (2012), Retrofitting of RC Bridges as one of the Major Lifelines after Earthquake Occurrence and Disaster Management, Second National Conference on Disaster Management, June 19-20, Tehran, Iran.
- Ahmadi, M., **Kheyroddin, A.**, Naderpour, H. (2012), Concrete Confinement in Steel-Concrete Circular Columns, Second National Conference on Disaster Management, June 19-20, Tehran, Iran.
- Beiraghi, H., **Kheyroddin, A.**, parvini, H., "The effect of structural system on the optimum location of the outriggers", Second National Conference on Structure-earthquake-Geotechnique, December 2012, Babol, Iran.
- Beiraghi, H., **Kheyroddin, A.**, "The effect of column slope on the behavior of tall steel structures", Second National Conference on Structure-earthquake-Geotechnique, December 2012, Babol, Iran.
- Mashhadiali N, Kheyroddin A. 2012. Introducing an innovative structural system named hexagrid for tall buildings. IASSAPCS symposium 2012, Korea, May 2012.
- Khatami, S.M., Naderpour, **Kheyroddin, A.**, H., Hoseini Vaez, S.R. (2011), The Effects of Columns Shapes in RC Building under Near Fault Ground Motions, First International Conference on Urban Construction in the Vicinity of Active Faults, September 3-5, Tabriz, Iran.
- Naderpour, H., Ghodrati Amiri, G., **Kheyroddin, A.**, Hoseini Vaez, S.R., (2011), Seismic Evaluation of Retrofitted RC Frames Using Neuro-Fuzzy Algorithms, 8th International Conference on Structural Dynamics (EURODYN 2011), Leuven, Belgium, July 4-6.
- Naderpour, H., **Kheyroddin, A.** (2011), “Seismic Evaluation of Available Retrofitting Methods for Non-Ductile RC Frames Using ANNs”, 6th International Conference on Seismology and Earthquake Engineering, May 16-18, Tehran, Iran.
- Hoseini Vaez, S.R., Naderpour, H. **Kheyroddin, A.**, (2011), “Effective Structural Parameters Affecting on Seismic Behavior of Flat-Slab Buildings”, 6th National Congress on Civil Engineering (6NCCE), Semnan University, Semnan, Iran, April 26-27.

- Naderpour, H., **Kheyroddin, A.**, Sharbatdar, M.K., Ghodrati Amiri, G., Hoseini Vaez, S.R., (2011), “Prediction of FRP Contribution to the Shear Resistance of RC Beams Using Artificial Neural Networks”, 6th National Congress on Civil Engineering (6NCCE), Semnan University, Semnan, Iran, April 26-27.
- Beiraghi, H., **Kheyroddin, A.**, "Investigation of the RC tall buildings with inclined columns", Second National Concrete Conference, September 2011, Tehran, Iran.
- Beiraghi, H., **Kheyroddin, A.**, "Effect of infill masonry walls on occurrence of soft story in RC structures", First National Conference in Concrete Industry, May 2011, Kerman, Iran (In Persian).
- Naderpour, H., **Kheyroddin, A.**, Ghodrati Amiri, G., Hoseini Vaez, S.R. (2010), “Using Artificial Neural Networks for Estimating the Behavior of RC Structures Retrofitted with FRP”, 14th European Conference on Earthquake Engineering, Ohrid, Republic of Macedonia, Aug.30 - Sep.03.
- Khatami, S.M., **Kheyroddin, A.**, Naderpour, H. (2010), “Nonlinear Behavior of RC Shear Walls Strengthened with Steel Plates”, 12th Concrete and Earthquake Convention Conference (ACI, Iran Chapter), Tehran, Iran, March 5-6.
- Naderpour, H., Hoseini Vaez, S.R., **Kheyroddin, A.**, Ghodrati Amiri, G., (2009), “Nonlinear Dynamic Response of Reinforced Concrete Coupling Beams Externally Bonded with FRP Sheets”, 9th International Symposium on Fiber Reinforced Polymer Reinforcement for Concrete Structures, Four Points Darling Harbour, Sydney, Australia, , July 13–15.
- Naderpour, H., **Kheyroddin, A.**, Ghodrati Amiri, G., Hoseini Vaez, S.R. (2009), “Investigation the Seismic Behavior of FRP-Strengthened RC Frames”, 9th International Symposium on Fiber Reinforced Polymer Reinforcement for Concrete Structures, Four Points Darling Harbour, Sydney, Australia, July 13–15.
- Naderpour, H., **Kheyroddin, A.**, Hoseini Vaez, S.R. (2009), “Investigation the Effect of FRP Sheets on Seismic Behavior of Reinforced Concrete Frames and Distribution of Plastic Hinges”, 3rd International Conference on Concrete & Development, Tehran, Iran. April 27-29.
- Naderpour, H., **Kheyroddin, A.**, Hoseini Vaez, S.R. (2008), "Nonlinear Behavior of RC Shear Walls Externally Bonded with FRP Sheets", 4th International Conference on FRP Composites in Civil Engineering, CICE2008, Zurich, Switzerland, July 22-24.

- Hoseini Vaez, S.R., **Kheyroddin, A.**, Naderpour, H. (2008), "3D Finite Element Simulation of Slab-Column Connections Strengthened with CFRP", 4th International Conference on FRP Composites in Civil Engineering, CICE2008, Zurich, Switzerland, July 22-24.
- **Kheyroddin, A.**, Naderpour, H., Hoseini Vaez, S.R. (2008), "Hysteretic Evaluation of Seismic Behavior of RC Shear Walls Strengthened with FRP Sheets", 14th World Conference on Earthquake Engineering (14WCEE), Beijing, China, October 12-17.
- **Kheyroddin, A.**, Naderpour, H., Hoseini Vaez, S.R. (2008), "Hysteretic Evaluation of Seismic Behavior of RC Shear Walls Strengthened with FRP Sheets", 14th World Conference on Earthquake Engineering (14WCEE), Beijing, China, October 12-17.
- Hoseini Vaez, S.R., **Kheyroddin, A.**, Naderpour, H. (2008), "Investigation of Finite Element Model of Slab-Column Connections under Eccentric Load", 14th World Conference on Earthquake Engineering (14WCEE), Beijing, China, October 12-17.
- **Kheyroddin, A.**, Naderpour, H., Hoseini Vaez, S.R. (2008), "Numerical Evaluation of Nonlinear Response of Reinforced Concrete Structures Strengthened with CFRP Wrap", 6th International Structural Specialty Conference, CSCE, Québec City, Québec, Canada, June 10-13.
- **Kheyroddin, A.**, Hoseini Vaez, S.R., Naderpour, H. (2008), "The Effect of Applying Eccentric Load on a Finite Element Model for Slab-Column Connections", 6th International Structural Specialty Conference, CSCE, Québec City, Québec, Canada, June 10-13.
- **Kheyroddin, A.**, Naderpour, H., Hoseini Vaez, S.R. (2008), "A Model for Predicting the Effect of FRP Sheets on Confinement of RC Bridge Piers", 3rd International Conference on Bridges, Tehran, Iran, May 27-29 (in Persian).
- **Kheyroddin, A.**, Naderpour, H., Hoseini Vaez, S.R. (2008), "Investigation the Effect of FRP-Confinement in Ductility of RC Members", 4th National Congress on Civil Engineering, Tehran, Iran, May 6-8 (in Persian).
- **Kheyroddin, A.**, Naderpour, H., Hoseini Vaez, S.R. (2007), "Investigation of Architectural Form Effect on Structural vulnerability", 1st Conference on Structures and Architecture, Tehran, Iran, May 20-21 (in Persian).
- **Kheyroddin, A.**, Naderpour, H. (2006), "Finite Element Analysis of RC Shear Walls Retrofitted Using Externally Bonded Steel Plates and FRP Sheets", 1st International Structural Specialty Conference, CSCE, Calgary, Alberta, Canada, May 23-26.

- **Kheyroddin, A.**, Naderpour, H. (2006), "Application of Fiber Reinforced Polymers in Strengthening of Shear Walls", First International Congress on Seismic Retrofitting, Tehran, Iran, April 25-27 (in Persian).
- M. Khatami, **A. Kheyroddin**, Investigation Effect of Size Element in Nonlinear Behavior of Concrete Shear Wall, 9th International Congress on Civil Engineering, 8-12 may 2012, Iran.
- S. Aramesh, **A. Kheyroddin**, Evaluation of Seismic Behavior in Exoskeleton Structural System for Reinforced Concreted Tall Buildings, 9th International Congress on Civil Engineering, 8-12 may 2012, Iran.
- **A. Kheyroddin**, H. Naderpour, S. R. Hoseini Vaez, On Investigation on The Effect of Core Shear Lag in Tubular Structures, 9th International Congress on Civil Engineering, 8-12 may 2012, Iran.
- R. Zahiry, B. Farhadi, **A. Kheyroddin**, M. Shayanfar, Investigation the Seismic Design Lateral Force Distribution of a Tall Steel Moment Frame Building Based on in Elastic Behavior, 9th International Congress on Civil Engineering, 8-12 may 2012, Iran.
- M. Khatami, **A. Kheyroddin**, H. Naderpour, S. R. Hoseini Vaez, The Influence of Column Shapes on Behavior of RC Buildings Subjected to Near-Fault Ground Montions, 9th International Congress on Civil Engineering, 8-12 may 2012, Iran.
- M. montazeri, F. Khaledi, **A. Kheyroddin**, A Study on Steel Moment Resisting Frames With Setbacks: Dynamic Properties, The 15th World Conference on Earthquake Engineering Lisbon, Portugal, 2012.
- S. Aramesh, **A. Kheyroddin**, Investigation of Seismic Behavior of the Innovative Exoskeleton Structural System in Reinforced Concrete Tall Building. The 15th World Conference on Earthquake Engineering Lisbon, Portugal, 2012.
- R. Zahiry, B. Farhadi, **A. Kheyroddin**, M. Shayanfar, Investigation the Effect of Inelastic Behavior on Seismic Design Lateral Force Distribution of Steel Moment Frames. The 15th World Conference on Earthquake Engineering Lisbon, Portugal, 2012.
- M. K. Sharbatdar, **A. Kheyroddin**, E. Emami, Experimental Siemic Investigation of Composite RC-Diagonal Steel Prop Join. The 15th World Conference on Earthquake Engineering Lisbon, Portugal, 2012.
- M. Bazaz, **A. Kheyroddin**, M. Kafi, Z. Andalib, Evaluating the Performance of Steel Ring in Special Bracing Frame, 6th International Conference Seismology and Earthquake Eng, May, 2011 Tehran, Iran.

- H. Naderpour, **A. Kheyroddin**, Seismic Evaluation of Available Retrofitting Methods for Non-Ductile RC Frames Using ANNS, 6th International Conference Seismology and Earthquake Eng, May 16-18, 2011 Tehran, Iran.
- M. Khatami, **A. Kheyroddin**, Nonlinear Analysis of Different Shapes of Flange Shear Walls, 6th International Conference Seismology and Earthquake Eng, May, 2011 Tehran, Iran.
- M. Khatami, **A. Kheyroddin**, Pushover Analysis of Steel Moment Frame Accompanied with RC Shear Wall or Steel Bracing, 6th International Conference Seismology and Earthquake Eng, May, 2011 Tehran, Iran.
- R. Zahiry, B. Farhadi, **A. Kheyroddin**, M. Shayanfar, Investigation the Seismic Design Lateral Force Distribution of SAC-9 Building Based on Inelastic Behavior of Structure, 6th International Conference Seismology and Earthquake Eng.16-18 May 2011, *Seoul*, Korea.
- A. Mortezaei, **A. Kheyroddin**, Assessment of Seismic Resistance of A Masonry Chimney Subjected to Earthquake Loading, *14th European Conference on Earthquake Engineering (ECEE2010)*, August 30-September 03, 2010, Skopje-Ohrid, Republic of Macedonia
- A. Mortezaei, **A. Kheyroddin**, A Neural Network Model to Assess The Ductility in Reinforced Concrete Buildings Subjected to Near-Fault Earthquakes, *14th European Conference on Earthquake Engineering (ECEE2010)*, August 30-September 03, 2010, Skopje-Ohrid, Republic of Macedonia.
- M. Khatami, **A. Kheyroddin**, Investigation of The Nonlinear Behavior of RC Flanged Shear Walls, 14th European Conference on Earthquake Engineering, 2010.
- H. Naderpour, **A. Kheyroddin**, S.R .Hoseini Vaez, Investigation the Effect of FRP Sheets Seismic Behavior of Reinforced Concrete Frames and Distribution of Plastic Hinges, 3rd International Conference on Concrete and Development, April 27-29, 2009, Tehran, Iran.
- H.R. Salehian, **A. Kheyroddin**, Shape and Dimensional Effect on Behavior of Concrete Columns Confined with FRP Sheets, 3rd International Conference on Concrete and Development, April 27-29, 2009, Tehran, Iran.
- **A. Kheyroddin**, A. Kargaran, Seismic Behavior of Short Column in RC Structures, 3rd International Conference on Concrete and Development, April 27-29, 2009, Tehran, Iran.
- A. Mortezaei, **A. Kheyroddin**, G. Ghodrati Amiri, Nonlinear Finite Element Model for Reinforced Concrete Shear Walls Based on Multi-layer Shell Element, 3rd International Conference on Concrete and Development, April 27-29, 2009, Tehran, Iran.

- A. Mortezaei, **A. Kheyroddin**, G. Ghodrati Amiri, Nonlinear Finite Element Analysis of Historical Masonry Building of Imam Khomeini (Sultani) Mosque in Semnan, 8th International Congress on Civil Engineering, April 2009, Shiraz, Iran.
- H. Naderpour, S.R. Hoseini Vaez, **A. Kheyroddin**, G. Ghodrati Amiri, Nonlinear Dynamic Response of Reinforced Concrete Coupling Beams Externally Bonded with FRP Sheets, 9th International Symposium on Fiber Reinforced for Concrete Structures, 13-15 July 2009, Sydney, Australia.
- A. Mortezaei, **A. Kheyroddin**, G. Ghodrati Amiri, “Seismic Evaluation and FRP Strengthening of Existing RC Columns Under Near Field Ground Motion”, 9th International Symposium on Fiber Reinforced for Concrete Structures, 13-15 July 2009, Sydney, Australia.
- S.R. Hoseini Vaez, G. Ghodrati Amiri, **A. Kheyroddin**, H. Naderpour, Finite Element Analysis of Slab-Column Connection Strengthened with FRP Sheets Under Impact – Loading, 9th International Symposium on Fiber Reinforced for Concrete Structures, 13-15 July 2009, Sydney, Australia.
- **A. Kheyroddin**, R. Zahiri Hashemi, Investigation of the Shear Lag Behavior in Braced Tubular Structures, *CSCE 2008 Annual Conference, 10-13 June 2008*, Quebec City, Quebec, Canada.
- **A. Kheyroddin**, H. Naderpour, S.R. Hoseini Vaez, The Effect of Applying Eccentric Load on a Finite Element Model for Slab-Column Connections, *CSCE 2008 Annual Conference, 10-13 June 2008*, Quebec City, Quebec, Canada.
- **A. Kheyroddin**, H. Naderpour, S.R. Hoseini Vaez, Numerical Evaluation of Nonlinear Response of Reinforced Concrete Shear Walls Strengthened with CFRP WRAP, *CSCE 2008 Annual Conference, 10-13 June 2008*, Quebec City, Quebec, Canada.
- A. Hadad, **A. Kheyroddin**, Dynamic Measurements of Precast Concrete Jointed Piles in a Layered Soil, 8th Int. Conf. on the Application of Stress Wave Theory to Piles, 8-10, Sep, 2008, Lisbon, Portugal.
- **A. Kheyroddin**, H. Naderpour, S.R. Hoseini Vaez, Hysteretic Evaluation of Seismic Behavior of RC Shear Walls Strengthened with FRP Sheets, The 14th World Conference on Earthquake Engineering, Oct 12-17 2008, China.
- **A. Kheyroddin**, S.R. Hoseini Vaez, H. Naderpour, Investigation of Finite Element Model of Slab Column Connections Under Eccentric Load, The 14th World Conference on Earthquake Engineering, Oct 12-17 2008, China.

- A. Mortezaei, **A. Kheyroddin**, G. Ghodrati Amiri, Influence of External Steel Plates on the Characteristics of Existing RC Columns Under Field Ground, The 14th World Conference on Earthquake Engineering, Oct 12-17 2008, China.
- A. Mortezaei, **A. Kheyroddin**, Effects of Confined Concrete Models on Simulating RC Columns Under Monotonic Loading, 5th International Conference on Seismology and Earthquake Engineering, 13-16 May 2007, Tehran, Iran.
- A. Hemati, **A. Kheyroddin**, Seismic Retrofitting of A 7 – Story R.C. Building , 5th International Conference on Seismology and Earthquake Engineering, 13-16 May 2007, Tehran, Iran.
- A. Mortezaei, **A. Kheyroddin**, Seismic Design of Beam – Column Joints in R C Moment Resisting Frames, First European Conference On Earthquake Engineering and Seismology, September 2006, Geneva, Switzerland.
- A. Hemati, **A. Kheyroddin**, Seismic Behavior of Vertically Hybrid Building, First European Conference On Earthquake Engineering and Seismology, September 2006, Geneva, Switzerland.
- A. Hemati, **A. Kheyroddin**, 3-D Nonlinear Analysis for Seismic Assessment of Vertically Mixed Structures, The 2nd Indonesia Japan Joint Scientific Symposium, September 6 – 8, 2006, Center for Japanese Studies, University of Indonesia.
- **A. Kheyroddin**, A. Mortezaei, Nonlinear Finite Element Analysis of RC Shear Walls With Diagonal Web Reinforcement, 7th *International Congress on Civil Engineering*, May 2006, Tehran, Iran.
- **A. Kheyroddin**, H. Naderpour, Nonlinear Finite Element Analysis of RC Shear Walls Retrofitted Using Externally Bonded Steel Plates and FRP Sheets, 1st International Structural Specialty Conference (CSCE 2006), May 2006, Canada.
- S.R .Hoseini Vaez, **A. Kheyroddin**, Finite Element Analysis of Slab – Column Connections, 1st International Structural Specialty Conference (CSCE 2006), May 2006, Canada.
- **A. Kheyroddin**, M.S. Mirza, “Nonlinear Finite Element Analysis of Indeterminate RC Structures”, 4th International Conference on Civil Engineering, May 1997, Tehran, Iran.
- **Kheyroddin, A.**, Shayanfar, M.A., and Mirza, M.S. (1994). "Effect of Element Size and Tension Stiffening in Nonlinear Analysis of Reinforced Concrete Beams", CSCE Annual Conference, June 1-4, 1994, Winnipeg, Manitoba, Canada.

- **Kheyroddin, A.**, and Mirza, M.S. (1995b). "Flexural Rigidity of Reinforced Concrete Beams", CSCE Annual Conference, June 1-3, 1995, Ottawa, Ontario, Canada, pp. 363-372.