

RESUME

Davood Mostofinejad, Ph.D., PE
Distinguished Professor
Department of Civil Engineering
Isfahan University of Technology (IUT), Isfahan, IRAN



Background: *BSc. : 1978-1985 (Tehran University & Isfahan Univ. of Tech., Iran)*
MSc.: 1985-1987 (Isfahan University of Technology, IUT, Iran)
Ph.D: 1993-1997 (Carleton University, Ottawa, Canada)

Title of Ph.D. Thesis: *Ductility and Moment Redistribution in Continuous FRP Reinforced Concrete Beams*

Positions

- Faculty of Civil Engineering Department, IUT (1987-present).
- Vice Chancellor of the University in Student Affairs (1989-1991).
- Graduate Coordinator (1997-2000, Civil Eng. Dept., IUT).
- Head of the Civil Engineering Department (2000-2004, IUT).
- Chairman of the 6th International Conference on Civil Engineering, ICCE 2003.
- Director of Research Nucleous of Concrete (1999-2006, IUT).
- Director of Center of Excellence for Offshore Science and Technology (CEOOST) (2003-2006, IUT).
- Director of Board of Trustees of National and International Congresses on Civil Engineering (2002-2006).
- Adjunct Lecturer, University of Arizona, Tucson, AZ, USA, 2006 – 2008.
- Head of Iranian Concrete Institute- Isfahan Branch (ICIE), (2010 - present).
- Scientific Chairman of the 9th International Conference on Civil Engineering, 9ICCE, 2012.
- Member of Boad of Diroctor Characteristics, 2012 - present
- Iran's Deputy in *fib* : International Federation of Concrete, 2014

Honors

- Top Outstanding (Distinguished) Professor Award of Iran - 2012, (Awarded by the President of Iran).

- **Distinguished Man of Concrete in Iran – 2012.**
- **Top Researcher of Isfahan Province – 2012** (honored by the Isfahan governor).
- **Award of Book of the year of Iran - 2007**, (As the author of book of Reinforced Concrete Structures, Volumes 1 and 2, Awarded by the President of Iran).
- **Award of Book of the year of Isfahan Province - 2010**, (As the author of book of Loading of Structures, honored by the Isfahan governor).
- **IUT Distinguished Research Award for Authorship - 2011** (Honored by the IUT President).
- **IUT Distinguished Teaching Award - 2010** (Honored by the IUT President).
- **IUT Distinguished Research Award - 2008** (Honored by the IUT President).
- **Pioneer Engineer Award – 2003** (Honored by Construction Engineering Organization of Isfahan Province).
- **IUT Distinguished Teaching Award - 2002** (Honored by the IUT President).
- **IUT Distinguished Research Award - 2001** (Honored by the IUT President).
- **Distinguished Grade in Kharazmi Festival – 1992** (Assabehat Design).
- **Receipt of fellowship award from Iranian Government for studying towards the degree of Ph.D.**

International Research Collaborations

- **Invited Visiting Professor, University of Queensland, Brisbane, Australia, March-April 2002.**
- **Invited Visiting Professor, Wuppertal University, Germany, September 2002.**
- **Invited Visiting Professor, Wuppertal University, Germany, September 2003.**
- **Invited Visiting Scholar & Adjunct Lecturer, University of Arizona, USA, 2006 – 2008.**

Patented Inventions

1. **Title: Shear Strengthening of Reinforced Concrete Beams with FRP Sheets Using VGM (Vertical Grooves Method)**
Owners: Mostofinead, Davood, Tabatabaei Kashani, Amir Homayoon.
Serial No.: A/89 – 030381; Invention Registry No.: 71404; Invention Registration Date: September 8, 2011.
2. **Title: GM (Grooving Method) with EBROG (Externally Bonded Reinforcement On Grooves) Technique to Prevent Debonding of FRP Sheets from Surface of Concrete Beam in Flexure**

Owners: Mostofinead, Davood, Mahmudabadi, Ehsan, and Hosseini, Ardalan.
Serial No.: A/89 – 007957; **Invention Registry No.:** 70840; **Invention Registration Date:** July 27, 2011.

3. **Title:** EBRIG (Externally Bonded Reinforcement In Grooves) Method for Bonding FRP Laminates onto Concrete Beams
Owners: Mostofinead, Davood, Shamel, Seyed Masoud, and Hosseini, Ardalan.
Serial No.: A/89 – 013792; **Invention Registry No.:** 69333; **Invention Registration Date:** March 15, 2011.

Member of Editorial Board of Scientific Journals

- *International Journal of Science and Technology, SCIENTIA IRANICA; Transaction A: Civil Engineering (in English), 2007 – present.*
- *International Journal of Transportation Engineering (IJTE), (in English), 2011-present.*
- *Journal of Rehabilitation Engineering (in English), Semnan University, 2012-present.*
- *Journal of Civil Engineering (in Persian), Ferdowsi University of Mashhad, 2009-present.*
- *Journal of Concrete Research (in Persian), University of Guilan, 2007-present.*
- *Journal of Experimental Research in Civil Engineering, (in Persian), University of Shahid Rajaei, 2012-present.*

TEACHING SUBJECTS

a) Graduate Courses

Advanced Concrete
Advanced Concrete Technology
Advanced Reinforced Concrete Structures
Matrix Analysis of Structures
Prestressed Concrete

b) Undergraduate Courses

Reinforced Concrete Structures I
Reinforced Concrete Structures II
Project of Reinforced Concrete Structures
Concrete Technology
Loading on Structures

Statics
Strength of Materials
Analysis of Structures

AREA OF RESEARCH

- **Application of Fiber reinforced Polymer (FRP) in Concrete and Masonry Structures**
- **Reinforced Concrete (RC) Structures (Analysis and Design)**
- **Repair and Rehabilitation of Damaged RC Structures**
- **Ductility and Moment Redistribution in RC Structures**
- **Non-Linear FE Analysis of RC Structures**
- **Advanced Concrete Technology including Fiber Reinforced Concrete (FRC) and High Strength Concrete (HSC)**
- **Durability of Concrete in Corrosive Environments**

PUBLICATIONS

BOOKS

1. Mostofinejad, D., *Loading of Structures*, 1st Ed., Fall 2009, 2nd Ed., Spring 2010, 3rd Ed., Summer 2010, 4th Ed., Spring 2011, 5th Ed., Fall 2011, 6th Ed., Summer 2012, 7th Ed., Spring 2013, 8^d Ed., 2014, 800 p.
2. Mostofinejad, D., *Reinforced Concrete Structures – Volume II*, 1st Ed., 2006, 2nd Ed., 2006, 3rd Ed., 2007, 4th Ed., 2007, 5th Ed., 2008, 6th Ed., 2008, 7th Ed., 2008, 8th Ed., 2009, 9th Ed., 2009, 10th Ed., 2010, 11th Ed., 2010, 12th Ed., 2010, 13th Ed., 2011, 14th Ed., 2011, 15th Ed., 2011, 16th Ed., 2012, 17th Ed., 2012, 18th Ed., 2012, 19th Ed., 2013, ..., 23^d Ed., 2014, 776 p. **“Book of the Year in 2008”**
3. Mostofinejad, D., *Reinforced Concrete Structures – Volume I*, 1st Ed., 2004, 2nd Ed., 2005, 3rd Ed., 2006, 4th Ed., 2007, 5th Ed., 2007, 6th Ed., 2007, 7th Ed., 2008, 8th Ed., 2008, 9th Ed., 2008, 10th Ed., 2009, 11th Ed., 2009, 12th Ed., 2009, 13th Ed., 2009, 14th Ed., 2010, 15th Ed., 2010, 16th Ed., 2010, 17th Ed., 2010, 18th Ed., 2011, 19th Ed., 2011, 20th Ed., 2011, 21th Ed., 2011, 22nd Ed., 2012, 23rd Ed., 2012, 24th Ed., 2012, 25th Ed., 2012, 26th Ed., 2012, 27th Ed., 2013, 28th Ed., 2013, ..., 33^d Ed., 2014, 716 p. **“Book of the Year in 2008”**
4. Mostofinejad, D., *Concrete Technology and Mix Design*, 1st Ed., 1995, 2nd Ed., 1999, 3rd Ed., 2000, 4th Ed., 2001, 5th Ed., 2002, 6th Ed., 2003, 7th Ed., 2004, 8th Ed., 2005, 9th Ed., 2005, 10th Ed., 2006, 11th Ed., 2006, 12th Ed., 2007, 13th Ed., 2007, 14th Ed., 2008, 15th Ed., 2008, 16th Ed., 2008, 17th Ed., 2009, 18th Ed., 2009, 19th Ed., 2010, 20th Ed., 2010, 21th Ed., 2010, 22th Ed., 2011, 23rd Ed., 2011, 24th Ed., 2011, 25th Ed., 2011, 26th Ed., 2011, 27th Ed., 2012, 28th Ed., 2012, 29th Ed.,

- 2012, 30th Ed., 2012, 31st Ed., 2013, 32nd Ed., 2013, 33rd Ed., 2013, ..., 38th Ed., 2014, 176 p.
5. Mostofinejad, D., and Fazilati, M., ***Loading and Load Carrying Systems***, 1st Ed., March 2000, 2nd Ed. August 2001, 3rd Ed. August 2003, 4th Ed. April 2005, 5th Ed., 2006, 6th Ed., 2007, 7th Ed., 2008, 8th Ed., 2008, 9th Ed., 2009, 592 p.
 6. Mostofinejad, D. *et al.* (group of the authors), ***Building Materials***, 2006, 890 p.
 7. Mostofinejad, D., and Azhari, M., ***Structural and Earthquake Engineering, Proceedings of the 6th International Conference on Civil Engineering (ICCE 2003)***, Volume 1, May 5-7, 2003, Editor.
 8. Mostofinejad, D., ***Reinforced Concrete and Steel Structures, and Concrete Technology, Proceedings of the 6th International Conference on Civil Engineering (ICCE 2003)***, Volume 2, May 5-7, 2003, Editor.
 9. Mostofinejad, D., Chamani, M. R., and Asghari, K., ***Hydraulics and Water Resources, Proceedings of the 6th International Conference on Civil Engineering (ICCE 2003)***, Volume 3, May 5-7, 2003, Editor.
 10. Mostofinejad, D., Asghari, K., and Chamani, M. R., ***Environmental Engineering, Hydrology and Transportation, Proceedings of the 6th International Conference on Civil Engineering (ICCE 2003)***, Volume 4, May 5-7, 2003, Editor.
 11. Mostofinejad, D., and Vafaeian, M., ***Soil Mechanics, Geotechnics and Geodesy, Proceedings of the 6th International Conference on Civil Engineering (ICCE 2003)***, Volume 5, May 5-7, 2003, Editor.
 12. Mostofinejad, D., ***Structural Engineering and Concrete Technology, Proceedings of the 6th International Conference on Civil Engineering (ICCE 2003)***, Volume 6, May 5-7, 2003, Editor.
 13. Mostofinejad, D., and Chamani, M. R., ***Water Resources, Geotechnics and Transportation, Proceedings of the 6th International Conference on Civil Engineering (ICCE 2003)***, Volume 7, May 5-7, 2003, Editor.

PAPERS

A) JOURNAL PAPERS

1. Mostofinejad, Davood, and Ilia, Elahe, **“Confining of Square RC Columns with FRP Sheets using Corner Strip-Batten Technique,”** *Construction and Building Materials*, In Press, 2014.
2. Hosseini, Ardalan, Mostofinejad, Davood, and Hajalilu-Bonab, Masoud, **“Displacement and Strain Fields Measurement in Steel and RC Beams Using Particle Image Velocimetry (PIV),”** *Journal of Engineering Mechanics*, ASCE, In Press, 2014.

3. Mostofinejad, Davood, Shameli, Masoud, and Hosseini, Ardalan, “**EBROG and EBRIG Methods for Strengthening of RC Beams by FRP Sheets,**” *European Journal of Environmental and Civil Engineering*, Vol. 18, No. 6, 2014, pp. 652-668.
4. Mostofinejad, Davood, Moshiri, Niloufar, and Nasiri, Nasrin, “**Effect of Corner Radius and Aspect Ratio on Compressive Behavior of Rectangular Concrete Columns Confined with CFRP,**” *Materials and Structures*, DOI 10.1617/s11527-013-0171-9, In Press, 2014.
5. Meisami, Hassan, Mostofinejad, Davood, and Nakamura, Hikaru, “**Punching Shear Strengthening of Two-Way Flat Slabs with CFRP Grids,**” *Journal of Composite for Construction, ASCE*, Vol. 18, No. 2, April 2014, pp. ??-??.
6. Mostofinejad, Davood, and Moghadas, Masoud, “**Bond Efficiency of EBR and EBROG Methods in Different Flexural Failure Mechanisms of FRP Strengthened RC Beam,**” *Construction and Building Materials*, Vol. 54, February 2014, pp. 605-614.
7. Mostofinejad, Davood, and Hosseini, S. Jalil, “**Modeling of FRP–Concrete Interface Debonding in Strengthened Reinforced Concrete Beams with Finite Element Method,**” *Esteghlal, Journal of Engineering, Journal of Computational Methods in Engineering*, Vol. 32, No. 2, February 2014, pp. 151-171.
8. Mostofinejad, Davood, and Hosseini, Seyed Jalil, “**An Experimental and Numerical Study to Sustain Flextural Capacity in Precast RC Joints using FRP Sheets,**” *Esteghlal, Journal of Engineering, Journal of Computational Methods in Engineering*, Vol. 32, No. 2, Winter 2012, pp. 151-172.
9. Chamani, Mohammad Reza, Hosseinpour, M., Mostofinejad, Davood, and Esmaeilkhani, B. “**Evaluation of SCC Yield Stress from L-Box Test Using the Dam Break Model,**” *Magazine of Concrete Research*, Vol. 66, Issue 4, December 2013, pp. 175-185.
10. Hosseini, Ardalan, and Mostofinejad, Davood, “**Effective Bond Length of FRP-to-Concrete Adhesively-Bonded Joints: Experimental Evaluation of Existing Models,**” *International Journal of Adhesion and Adhesives*, Vol. 48, 2013, pp. 150-158.
11. Hosseini, Ardalan, and Mostofinejad, Davood, “**Effect of Groove Characteristics on CFRP-to-Concrete Bond Behavior of EBROG Joints: Experimental Study Using Particle Image Velocimetry (PIV),**” *Construction and Building Materials*, Vol. 49, 2013, pp. 364-373.
12. Mostofinejad, D., and Hajrasouliha, M. J., “**Effect of Concrete Strength and Groove Dimension on Performance of Grooving Method to Postpone Debonding of FRP Sheets in Strengthened Concrete Beams,**” *Iranian Journal of Science & Technology, Transaction B: Engineering*, Shiraz University, Vol. 37, No. C2, 2013, pp. 219-232.

13. Hosseini, Ardalán, and Mostofinejad, Davood, “**Experimental Investigation into Bond Behavior of CFRP Sheets Attached to Concrete using EBR and EBROG Techniques,**” *Journal of Composites: Part B*, Vol. 51, August 2013, pp. 130-139.
14. Meisami, Hassan, Mostofinejad, Davood, and Nakamura, Hikaru, “**Punching Shear Strengthening of Two-Way Flat Slabs using CFRP Rods,**” *Composite Structures*, Vol. 99, No. 1, May 2013, pp. 112-122.
15. Akhaveisi, A. H., Desai, C. S., Mostofinejad, D., and Vafai, A., “**FE Analysis of RC Structures using DSC Model with Yield Surface for Tension and Compression,**” *Computers and Concrete*, Vol. 11, No. 2, February 2013, pp. 123-148.
16. Mostofinejad, Davood, and Shameli, Masoud, “**Externally Bonded Reinforcement In Grooves (EBRIG) Technique To Postpone Debonding of FRP Sheets in Strengthened Concrete Beams,**” *Construction and Building Materials*, Vol. 38, January 2013, pp. 751-758.
17. Mostofinejad, Davood, and Tabatabaei Kashani, Shahram, “**Experimental Study on Effect of EBR and EBROG Methods on Debonding of FRP Sheets Used for Shear Strengthening of RC Beams,**” *Journal of Composites: Part B*, Vol. 45, February 2013, pp. 1704-1713.
18. Hosseini, Ardalán, Mostofinejad, Davood, and Hajjalilu-Bonab, Masoud, “**Displacement Measurement of Bending Tests Using Digital Image Analysis Method,**” *IACSIT International Journal of Engineering and Technology*, Vol. 4, No. 5, October 2012, pp. 642-645.
19. Mostofinejad, Davood, Mostafavizadeh, Seyed Amirali, and Tabatabaei Kashani, Shahram, “**Grooving Method to Postpone Debonding of FRP Sheets Used for Shear Strengthening,**” *World Academy of Science, Journal of Engineering and Technology*, Vol. 72, 2012, pp. 795-799.
20. Mostofinejad, Davood, and Reisi, Mohamad, “**A New DEM-Based Method to Predict Packing Density of Coarse Aggregates Considering their Grading and Shapes,**” *Construction and Building Materials*, Vol. 35, 2012, pp. 414-420.
21. Mostofinejad, Davood, and Mohammadi Anaei, Maryam, “**Effect of Confining of Boundary Elements of Slender RC Shear Wall by FRP Composites and Stirrups,**” *Engineering Structures*, Vol. 41, 2012, pp. 1-13.
22. Mostofinejad, Davood, Reisi, Mohamad, and Shirani, Ahmad, “**Mix Design Effective Parameters on Gamma-Ray Attenuation Coefficient and Strength of Normal and Heavyweight Concrete,**” *Construction and Building Materials*, Vol. 28, March 2012, pp. 224-229.
23. Hajhashemi, Ali, Mostofinejad, Davood, and Azhari, Mojtaba, “**Investigation of RC Beams Strengthened with Prestressed NSM CFRP Laminates,**” *ASCE, Journal of Composites for Construction*, December 2011.

24. Talaeitaba, S. Behzad, and Mostofinejad, Davood, “**Fixed Support in Assessment of RC Beams’ Behavior Under Combined Shear and Torsion,**” *International Journal of Applied Science and Technology*, Vol. 1, No. 5, September 2011, pp. 119-126.
25. Mostofinejad, Davood, and Shameli, Masoud, “**Performance of EBROG Method under Multilayer FRP Sheets for Flexural Strengthening of Concrete Beams,**” *Procedia Engineering*, Vol. 14, 2011, pp. 3176-3182.
26. Mostofinejad, Davood, and Talaeitaba, S. Behzad, “**Nonlinear Modeling of RC Beams Subjected to Torsion Using Smeared Crack Model,**” *Procedia Engineering*, Vol. 14, 2011, pp. 1447-1454.
27. Mostofinejad, D., and Hajrasouliha, M. Javad, “**Investigation of Effective Factors on the Performance of Grooving Method to Prevent Debonding of FRP Sheets from Concrete Surface,**” *Civil Engineering Journal*, Ferdowsi University of Mashhad, Vol. 22, No. 2, 2011.
28. Reisi, Mohamad, and Mostofinejad, Davood, “**A Numerical Method to Predict Packing Density of Aggregates in Concrete,**” *Advanced Materials Research*, Vol. 337, October 2011, pp. 313-316.
29. Talaeitaba, S. Behzad, and Mostofinejad, Davood, “**A New Test Setup for Experimental Test of RC Beams Under Combined Shear and Torsion,**” *Advanced Materials Research*, Vols. 335-336, September 2011, pp. 355-358.
30. Eftekhari, M. Reza, and Mostofinejad, Davood, “**Effects of Bar Size on the Cracking Pattern and Debonding Load of RC Beams Strengthened with FRP Sheets,**” *Sharif Journal*, Sharif University of Technology, Vol. 27, No. 2, June-July 2011, pp. 23-41.
31. Mostofinejad, Davood, and Tabatabaei Kashani, Amirhomayoon, “**Elimination of Debonding of FRP Strips in Shear Strengthened Beams Using Grooving Method,**” *Advanced Materials Research*, Vols. 250-253, May 2011, pp. 1077-1081.
32. Farahbod, Farhang, and Mostofinejad, Davood, “**Experimental Study of Moment Redistribution in RC Frames Strengthened with CFRP Sheets,**” *Composite Structures*, Vol. 93, No. 3, 2011, pp. 1168-1177.
33. Mostofinejad, Davood., and Mohammadi, Maryam, “**The Effect of FRP Strengthening of Boundary Elements in Slender RC Shear Walls,**” *Amirkabir Journal - Civil Engineering*, Amirkabir University, Vol. 42, No. 3, Feb. 2011, pp. 1-8.
34. Dalalbashi, A., Mostofinejad, D., Mahini, S., and Ronagh, H. R., “**Numerical Investigation on the Behavior of FRP-Retrofitted RC Exterior Beam-Column Joints under Cyclic Loads,**” *Iranian Journal of Science &*

Technology, Transaction B: Engineering, Shiraz University, Vol. 35, No. C1, February 2011, pp. 35-50.

35. Mostofinejad, Davood, and Mahmudabadi, Ehsan, “**Grooving as Alternative Method of Surface Preparation to Postpone Debonding of FRP Laminates in Concrete Beams,**” *ASCE, Journal of Composites for Construction*, Vol. 14, No. 6, November-December 2010, pp. 804-811.
36. Mostofinejad, Davood, and Saadatmand, Hassan, “**A Procedure for Predicting the Behavior of FRP Confined Concrete Using the FE Method,**” *Scientia Iranica, International Journal of Science and Technology, Transaction A: Civil Engineering*, Vol. 17, No. 6, December 2010, pp. 471-481.
37. Barani, O. R., Mostofinejad, D., Saadatpur, M. M., and Shekarchi, M., “**Concrete Basic Creep Prediction Based on Time-Temperature Equivalence Relation and Short-Term Tests,**” *The Arabian Journal of Science and Engineering*, Vol. 35, No. 2B, October 2010, pp. 101-117.
38. Mostofinejad, Davood, and Rahgozar, Nima, “**An Experimental and Numerical Study to Sustain Flextural Capacity in Precast RC Joints using FRP Sheets,**” *Esteghlal, Journal of Engineering, Journal of Computational Methods in Engineering*, Vol. 29, No. 1, Summer 2010, pp. 59-72.
39. Saadatmanesh, H., Tavakolizadeh, R., and Mostofinejad, D., “**Environmental Effects on Mechanical Properties of Wet Lay-Up Fiber-Reinforced Polymer,**” *ACI Materials Journal, American Concrete Institute*, Vol. 107, No. 3, May-June 2010, pp. 267-274.
40. Nasri, E., Pegels, G., Mostofinejad, D., and Chini, A., “**International Transfer of CAD/CAM Construction Technologies: Case Study of A German-Iranian Partnership,**” *The International Journal of Construction Management*, Vol. 10, No. 2, 2010, pp. 71-92.
41. Mostofinejad, Davood, and Noormohamadi, Mohsen, “**Effect of Transverse and Longitudinal Steel Ratios and Shear Span on the Behavior of RC Beams under Shear Using Modified Compression Field Theory,**” *Esteghlal, Journal of Engineering, Special Issue: Numerical Methods in Engineering*, Vol. 27, No. 2, March 2009, pp. 81-102.
42. Mostofinejad, Davood, and Reisi, Mohamad, “**Slag Effect on Compressive Strength and Durability of Concrete Against Sulfate Ion and Freeze and Thaw Cycles,**” *Concrete Journal of Iran (CJI), Journal of Science and Research*, Summer 2008, pp. 55-62.
43. Mostofinejad, D., and Saadatmand, H., “**Influence of Different Condition of Confinements due to CFRP Laminate on the Strength and Ductility of Slender RC Circular Columns,**” *Modares Technical and Engineering, Scientific Research Journal*, Tarbiat Modares University, No. 33, Fall 2008, pp. 33-44.

44. Mostofinejad, D., and Saadatmand, H., “**Prediction of the Behavior of Concrete Confined in FRP Composites Using Finite Element Method,**” *International Journal of Engineering Science*, The University of Science and Technology, Vol. 18, No. 2, Summer 2007, pp. 55-64.
45. Mostofinejad, Davood, and Farahbod, F., “**Parametric Study on Moment Redistribution in Continuous RC Beams Using Ductility Demand and Ductility capacity Concept,**” *Iranian Journal of Science & Technology, Transaction B: Engineering*, Shiraz University, Vol. 31, No. B5, October 2007, pp. 459-471.
46. Mostofinejad, Davood, and Hoseinian, S. Mehdi, “**An Investigation of Coarse Aggregate, Water-Cement Ratio and Silika Fume on the Frost Resistance of HS Concrete,**” *Esteghlal, Journal of Engineering*, Vol. 25, No. 2, March 2007, pp. 31-50.
47. Mostofinejad, Davood, and Hoseinian, S. Mehdi, “**Semi-Experimental Relations for prediction of Frost Resistance in Normal Concrete,**” *Amirkabir Journal of Science and Technology*, The University of Amir Kabir, No. 62, Fall 2005, pp. 117-128.
48. Mostofinejad, Davood, and Gharighoran, Alireza, “**Mechanical Behavior of Concrete with Waterglass,**” *Journal of Engineering*, Tabriz University, Summer 2006.
49. Mostofinejad, Davood, and Nazari Monfared, H. H., “**Adding Slag and Limestone Powder to Concrete to Increase the Durability of Bridge Piers Against Sulfate Ions,**” *Journal of Transportation Research*, Iran, Vol. 4, No. 2, 2006.
50. Mostofinejad, Davood, and Talaeitaba, S. B., “**Finite Element Modeling of RC Connections Strengthened with FRP Laminates,**” *Iranian Journal of Science & Technology, Transaction B: Engineering*, Shiraz University, Vol. 30, No. B1, 2006, pp. 21-30.
51. Mostofinejad, Davood, and Farahbod, F., “**Parametric Study on Moment redistribution in Continuous Beams in Concrete Bridges and a Comparison Between Iranian Concrete Code and ACI 318-02,**” *Journal of Transportation Research*, Iran, Vol. 2, No. 2, 2005, pp. 109-118.
52. Mostofinejad, Davood, and Reisi, Mohamad, “**Effect of Limestone Powder on Compression Strength of Concrete Containing Silica Fume and Optimization of Mix Design Using Response Surface Method,**” *Esteghlal, Journal of Engineering*, Vol. 24, No. 1, 2005, pp. 401-411.
53. Mostofinejad, Davood, and Nozhati, M., “**Prediction of the Modulus of Elasticity of High Strength Concrete,**” *Iranian Journal of Science & Technology, Transaction B: Engineering*, Shiraz University, Vol. 29, No. B3, 2005, pp. 311-321.

54. Mostofinejad, Davood, Barani, Omid Reza, and Saadatpur, M. Mehdi, “**A New Method for Estimation of Creep of Concrete Using Short-Term Tests Under Higher Temperature,**” *Esteghlal, Journal of Engineering*, Isfahan University of Technology, Vol. 23, No. 1, 2004, pp. 95-122.
55. Mostofinejad, D., and Hatami, S., “**Effect of Polypropylene Fibers on cracking due to Plastic Shrinkage and Workability of Concrete,**” *Journal of School of Engineering, Civil Engineering Issue*, Ferdowsi University of Mashhad, Vol. 16, No. 1, 2004, pp. 73-85.
56. Mostofinejad, D., and Sobhani, J., “**Prediction of the Behavior of Exterior Reinforced Concrete Joints Using Artificial Neural Networks,**” *Amirkabir Journal of Science and Technology*, The University of Amir Kabir, Vol. 15, No. 58, 2004, pp. 535-546.
57. Mostofinejad, D., and Sobhani, J., “**Behavioral Study and Classification of Exterior Reinforced Concrete Beam-Column Joints Under Ultimate Load,**” *Journal of Faculty of Engineering (Special Issue: Civil Engineering)*, University of Tehran, Vol. 37, No. 2, 2003, pp. 295-310.
58. Mostofinejad, D., Mirtalaei, K., and Sadeghi, M., “**Experimental Investigation of Steel Corrosion in Concrete with Slag and Silica Fume,**” *Amirkabir Journal of Science and Technology*, Vol. 14, No. 53, 2003, pp. 259-278.
59. Mostofinejad, D., Mirtalaei, K., and Sadeghi, M., “**Investigation of Compressive Strength of Concrete with Slag and Silica Fume,**” *International Journal of Engineering Science*, The University of Science and Technology, Vol. 13, No. 2, 2002, pp. 117-132.
60. Mostofinejad, Davood and Davoodnabi, Mahdi, “**Investigation of the Rigidity of the Floor Diaphragms on the Behavior of the Concrete Tall Buildings with Staggered Shear Walls under Lateral Loading,**” *Esteghlal, Journal of Engineering*, Isfahan University of Technology, Vol. 21, No. 1, September 2002, pp. 81-100.
61. Mostofinejad, Davood, “**Experimental Investigation on Behavior of Glass Fiber Reinforced Concrete (GFRC),**” *Esteghlal, Journal of Engineering*, Isfahan University of Technology, Vol. 20, No. 1, September 2001, pp. 83-95.
62. Razaqpur, A.G., and Mostofinejad, D., “**Experimental Study of Shear Behavior of Continuous Beams Reinforced with Carbon Fiber Reinforced Polymer,**” *Special Issue, Fiber Reinforced Polymer Reinforcement for Reinforced Concrete Structures, ACI, SP-188*, American Concrete Institute, 1999, Farmington Hills, Michigan, USA, pp. 169-178.

B) PAPERS IN CONFERENCES AND PERIODICALS

1. Meisami, Hasan, and Mostofinejad, Davood, “**Punching Shear Strengthening of Two-Way Flat Slabs with CFRP Grids,**” Fourth Annual International Conference on Civil Engineering, Athens, Greece, 26-29 may, 2014.
2. Mostofinejad, Davood, and Saljooghian, Alireza, “**Compression and Flextural Behavior of Square Reinforced Concrete Columns Confined with CFRP Composites,**” *Proceedings of the 8th National Congress on Civil Engineering (8NCCE)*, May 7-8, 2014, Babol, Iran.
3. Mostofinejad, Davood, and Orooji, Mohsen, “**A Review on Methods of Flextural Strengthening of Reinforced Concrete Beams Using FRP Composites,**” *Proceedings of the 8th National Congress on Civil Engineering (8NCCE)*, May 7-8, 2013, Babol, Iran.
4. Mostofinejad, Davood, and Orooji, Mohsen, “**Nonlinear Finite Element Analysis of Concrete Beams Strengthened with FRP using Grooving Methods,**” *Proceedings of the 8th National Congress on Civil Engineering (8NCCE)*, May 7-8, 2014, Babol, Iran.
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