

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

- 2012, 30<sup>th</sup> Ed., 2012, 31<sup>st</sup> Ed., 2013, 32<sup>nd</sup> Ed., 2013, 33<sup>rd</sup> Ed., 2013, ..., 38<sup>th</sup> Ed., 2014, 176 p.
5. Mostofinejad, D., and Fazilati, M., ***Loading and Load Carrying Systems***, 1<sup>st</sup> Ed., March 2000, 2<sup>nd</sup> Ed. August 2001, 3<sup>rd</sup> Ed. August 2003, 4<sup>th</sup> Ed. April 2005, 5<sup>th</sup> Ed., 2006, 6<sup>th</sup> Ed., 2007, 7<sup>th</sup> Ed., 2008, 8<sup>th</sup> Ed., 2008, 9<sup>th</sup> 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.
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