



Curriculum Vitae of a faculty member

1. Personal information

Name	Mohammad Najim Mahmood
Academic Degree	Professor Doctor in civil Engineering
Job Title	Head of Civil Engineering Department
General Major	Civil Engineering
Specialization	Structural Engineering.
Mobil No.	07736976949, 07708349171
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2. Qualifications

Degree	Date of Graduation	Name of university	Country	Major
Doctorate	1994	Roorkee	India	Structural Engineering
Master	1986	Mosul	Iraq	Structural Engineering
Bachelor	1979	Mosul	Iraq	Civil Engineering

3. Experiences

Employment	Job Title	Period
Governmental Institutes.	Site Engineer	1979-1984
Assistant Lecturer	At Dams Research Center, Mosul University, Mosul-Iraq.	1986-1989
Ph.D. Study at the University of Roorkee, Roorkee, India.		1989-1994
Lecturer	in Civil Engineering Department, Mosul University, Mosul Iraq.	1994-1997
Assistant Professor	Staff member in Civil Engineering Department, University of Mosul.	1997-2003
Head of Civil Engineering Department,	University of Mosul.	2001-2003
Assistant Professor	Staff member in Civil Engineering Department, University of Mosul.	2003-2011
Professor	Head of Scientific Promotions Committee-College of Engineering-University of Mosul.	2011-2014
Professor	Member of the Teaching Authority Committee-University of Mosul.	2011-2014
Professor	Staff member in Civil Engineering Department, University of Mosul.	2011-2018
Professor and Head of Civil Engineering Department,	University of Mosul.	2017-2020

4. Researches & Scientific activities

	Ph.D. courses:
	i- Advanced Finite Element Method.
	ii- Theory of Elastic Stability.
	Ms.C. courses:

	i- Numerical Analysis.
	ii- Finite Element Analysis.
	High Diploma
	i- Structural Engineering
	Theses
	M.Sc. Thesis " Nonlinear Finite Element Analysis of Reinforced Concrete Deep Beams "
	February 1986. Mosul, Iraq.
	Ph.D. Thesis " Investigation of Post Cracking Behavior of Reinforced Concrete Girder Bridges " July 1994. Roorkee, India.
	Supervised the following Ph.D. Thesis:
	a- "Nonlinear Dynamic Analysis of Soil-Frame Interaction Problems", Sufyan Y.K. January, 2007.
	b- "Investigation of Torsional Strength of Prestressed Beams Strengthened with CFRP" Akram Shaker Mohmood, April 2011.
	c- "Dynamic Analysis of Reinforced Concrete Girder Bridges Under Moving Loads", Emad Noel Naoom, October 2011.
	d- "Strengthening of Eccentrically Loaded Reinforced Concrete Columns Using Ferrocement or Carbon Fibers". Salwa Mubark Abdullah Dec. 2013.
	e- "Investigating the Flexural and Shear Strength of Ultra High Strength Concrete beams Reinforced with Steel Fiber under Repeated loads" Nadia Sideaq, April-2018.
ongoing	Nonlinear Dynamic Analysis of Based Isolated Reinforced Concrete Buildings
	. Supervised the following M.Sc. Theses:
	1. "Static and Free Vibration Analysis of Girder Bridges Using Finite Prism Method." Shaib Yaha ,July 1998
	2. "Nonlinear 3D Finite Element Analysis of Reinforced Concrete T-Beams" Adia Assal, Saluh, October. 1999
	3. "Finite Prism Dynamic Analysis of Bridges" Ayad Thabit Saeed, October 2000.
	4. "Nonlinear Dynamic Analysis of Reinforced Concrete Plane Frames", Abd Al Raof Mohammad, September 2001
	5. "Automatic Design of Reinforced Concrete Shell of General Form", Tarek Edrees Saeed, October 2001.
	6. "Nonlinear Finite Element Analysis of Prestressed Reinforced Concrete Beams", Ayad Basheer, November 2002
	7. "Effect of Types of Bearing on the Load Distribution among Girders of the Bridge", Eman Khalid Ibraheem, January 2004.
	8. "Interaction of Plane Linear Frames with Nonlinear Soil", Khamees Naife Abdul-Haleem, April, 2004.
	9. "Nonlinear Finite Element Analysis of Ferrocement Shell Roofs",Sura Abdul Razzak Majeed, January 2006

	10. "Effects of Infill Panel on the Nonlinear Dynamic Response of R.C. Plane Frames", Saddam Mohamad Ahmad, April 2006.
	11. " Effects of Method of Analysis on the Load Distribution Among the Main Girders of the Bridge", Hussein Mohammed Essa February 2007.
	12. "Structural Response of Ferrocement Beams having Channel Section", Tha'er Ghanem Waheed, August 2009.
	13. "Nonlinear Finite Element Analysis of Fiber Reinforced Concrete Members Subjected to Pure Torsion" Michael Keuork Marzeina,, March 2010.
	14. "Nonlinear Finite Element Analysis of Box Beams Under Combined Torsion-Bending Effects", Ali Natheer Abdul Baki, March 2011.
	15. "Flexural Strength of Reinforced Concrete Slabs Strengthened and Repaired by High Strength Ferrocement Cover at Tension Zone. Hassan Sideq Thanoon Al-Safar. April-2012.
	16. "Investigation of the Effect of Dynamic Loads on the Respo nse of base Isolated infilled Reinforced Concrete Plain Frames". Ali Amir Sultan, July-2013.
	17. "Mechanical and Physical Properties of Papercrete Plates" Abdalla Saleem, April-2017.
	18. "Analysis of Interaction between Reinforced Concrete Spread Footing and Soil" Mahmood Mohammed Taher, March-2019
	19. "Nonlinear Analysis of Soil-Structure Interaction of spread Footing Under Combined Loadings" Taha Mohamad Auob, October- 2020
	20. "Nonlinear Analysis of Soil-Structure Interaction of Shell Footings". Rondik Sadqi Sepember- 2020
Ongoing	Investigating the performance of unsymmetrical reinforced high strength concrete columns.
Ongoing	Nonlinear Investigation of Enhancing Torsional Strength of RC Beams By Near-Surface Mounted (NSM) Reinforcement.

Participated in Discussion of (15) Ph.D. theses.

Participated in Discussion of about (60) Ms.C. theses.

5. Scientific International Conferences

	Conference Name	Date
1	Second International Conference on Applications of Computers in Concrete, Singapore,	28-29 March,
2	The second Iraqi Conference on Engineering, ICE 88, Iraq,	1-3 Nov. 1988
3	International Conference on Case History in Structural Failures, Singapore,	20-22 March, 1989,
4	International Seminar Piletalk-89, KualaLampur, Malaysia	9-10 March 1989

5	International Conf. on Structural Studies, Repairs and Maintenance of Historical Buildings, 5-7 April 1989, Florence Italy.	5-7 April 1989
6	The 4 th Scientific Conference, Ministry for Housing and Building, Baghdad, 29-30 Oct	29-30 Oct
7	" International Conference on Technological Advancements in Civil Engineering (ICTACE 2011) Chennai, India,	19-20, February, 2011,
8	World Engineering Congress 2010, , Kuching, Sarawak, Malaysia Conference on Engineering and Technology Education.	2nd – 5th August 2010

6. Published Papers:

1. "Biaxial Stress-Strain Relationships for Concrete "Proceeding of the Second International Conference on Applications of Computers in Concrete, Singapore, 28-29 March, vol.1, pp.c1-c14.
2. "Finite Element Analysis of Reinforced Concrete Beams." Proceeding of the Second International Conference on Applications of Computers in Concrete, Singapore, 28-29 March, vol. 2, pp. J1-J17.
3. "Nonlinear Finite Element Analysis of Reinforced Concrete Deep Beams", Proc. of The second Iraqi Conference on Engineering, ICE 88, Iraq, 1-3 Nov. 1988, Journal of Engineering and Technology, Special Issue.
4. "Cases of Settlement of Buildings in Old Mosul.", Journal of Education and Science, College of Education, University of Mosul, Vol. 6, Jan. 1989, pp. 9-27.
5. "Displacements, Stresses and Strain in Mosul Dam Due to First Filling.", 1988, Confidential Research.
6. "Construction Performance of Mosul Dam by Finite Element Method", 1988, Confidential Research.
7. "Leaning of Old Minarets in Mosul City.", Proceeding of the International Conference on Case History in Structural Failures, 20-22 March, 1989, Singapore, pp G28-G39.
8. "Three Dimensional Analysis of Piles.", Proceeding, International Seminar Piletalk-89, 9-10 March 1989, KualaLampur, Malaysia pp 285-295.
9. "Problems of Historical Buildings in Mosul City, An Engineering Assessment.", Proceeding of the First International Conf. on Structural Studies, Repairs and Maintenance of Historical Buildings, 5-7 April 1989, Florence Italy.
10. "Selection of Proper Specimen Size For Indentation Test in Rocks.", Mu'tah Journal for Researches and Studies Vol. 9, No. 3, 1994, pp. 33-47.
11. "Explicit Dynamic Analysis of Mindlin Plate Using Finite Strip Method" Al Rafidain Engineering Journal, Mosul University, Vol. 6, No. 1. 1998, pp 1-10.
12. "Distribution of Vehicle's Load in Reinforced Concrete Bridges" Al Rafidain Engineering Journal, Mosul University, Vol. 6, No. 1, 1998, pp 11-24.
13. "Effect of Curvature on the Stress Distribution of Curved Box Girder Bridges" The 4 th Scientific Conference, Ministry for Housing and Building, Baghdad, 29-30 Oct., 2001. pp 103-115.
14. "Free Vibration Analysis of Curved Box Girder Bridges using Finite Prism Method" The Scientific Journal of Tikrit University, Engineering Sciences Vol. 7, No. 2, Sept., 2000, pp56-68.

15. "Embedded Bar Formulation for General Shell Element." The Scientific Journal of Tikrit University, Engineering Sciences Vol. 9, No. 7, 2002, pp1-13.
16. "Dynamic Analysis of Bridges Subjected to Moving Vehicles" Al Rafidain Engineering Journal, Mosul University, Vol. 14, No. 4. 2006, pp 34-50.
17. "Nonlinear Dynamic Analysis of Two-Dimensional Soil-Framed Structure Interaction Problem" Tikrit journal of Engineering Sciences, Vol. 13, No. 3, 2006 pp 1-33.
18 "ACI Code Provisions for Torsion Design of Reinforced Concrete Beams, a Need for Revision" Journal of Applied Sciences, ANSI, vol. 7, No. 9, 2007, pp 1293-1298.
19. "Effect of Types of Bearing on the Load Distribution among Girders of the Bridge" Al Rafidain Engineering Journal, Mosul University
20. "Nonlinear Finite Element Analysis of Ferrocement Slabs and Shell Roofs" Tikrit journal of Engineering Sciences, Vol. 14, No. 1, 2007, pp 18-44.
21. " Nonlinear Dynamic Analysis of Framed Structures Including Soil Structure Interaction Effects.", ARBIAN JOURNAL for SCIENCE and ENGINEERING, King Fahd University
22. " Nonlinear Analysis of Reinforced Concrete Beams Under Pure Torsion" Journal of Applied Sciences, ANSI, 7 (22), pp 3524-3529, 2007.
23. "Effect of Infilled Panel on the Nonlinear Dynamic Response of Reinforced Concrete Plane Frames" Al Rafidain Engineering Journal, Mosul University, Vol. 17, No. 3. Jun 2009, pp 14-29.
24. "Embedded Formulation of Prestressed Tendon in 3D-Brick Element". Al Rafidain Engineering Journal, Mosul University, Vol. 18, No. 6. December 2010, pp 1-14.
25. " DYNAMIC RESPONSE OF REINFORCED CONCRETE STRUCTURES DUE TO MOVING FORCES" <i>International Conference on Technological Advancements in Civil Engineering (ICTACE 2011) 19-20, February, 2011, Chennai, India</i> , pp. 15-19.
26. "NONLINEAR FINITE ELEMENT ANALYSIS OF PRESTRESSED CONCRETE BEAMS SUBJECTED TO PURE TORSION". World Engineering Congress 2010, 2nd – 5th August 2010, Kuching, Sarawak, Malaysia Conference on Engineering and Technology Education. pp. 29-39.
27. "Dynamic Analysis of Circular Bridge Subjected to Moving Force" <i>International Conference on Technological Advancements in Civil Engineering (ICTACE 2011) 19-20, February, 2011, Chennai, India</i> , pp. 30-34.
28. "Flexural Strength of Reinforced Concrete Slabs Strengthened with High Strength Ferrocement cover in Tension face" Al Rafidain Engineering Journal, Mosul University, Vol. 21, No. 2. Jan. 2013, pp 78-89.
29. "Effect of wire mesh layers of Ferrocement on the Strengthening of Reinforced Concrete Columns" Al Rafidain Engineering Journal, Mosul University, Vol. 21, No. 5. December 2013, pp 80-91.
30. "Prediction of Contact Stresses in Pre and Post Cracking Stages of Isolated Footing" - 201921-22 Octku2019 INTERNATIONAL CONFERENCE ON ENGINEERING, MEDICINE AND APPLIED SCIENCES, (ICEMAS-2), Azerbaijan-Buku 21-22 Oct.-2019.
31. "Investigating The Nonlinear Performance of Reinforced Concrete Shell Foundation 3 rd International Conference in Recent Innovations in Engineering ICRIE 2020, University of Duhok, College of Engineering, 9 th -10 th September, Kurdistan Region-Iraq.
32. "Effects of Base Isolation and Infill Panels on the Nonlinear Time History Analysis

