



Curriculum Vitae of a faculty member

1. Personal information

Name	Dr. Rabi Muyad Najem Abbu Alarag
Academic Degree	Assis. Prof.
Job Title	University of Mosul – College of Engineering – Civil Engineering Department
General Major	Civil Engineering – Structural Engineering – Structural Optimization
Mobil No.	
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Website	

2. Qualifications

Degree	Date of Graduation	Name of university	Country	Major
Doctorate	2013	University of Mosul	IRAQ	Structural Optimization
Master	2001	University of Mosul	IRAQ	Structural Engineering
Bachelor	1998	University of Mosul	IRAQ	Civil Engineering

3. Experiences

Employment	Job Title	Period
Lecturer	University of Mosul	2002 – until now
Design and site engineer	Engineering design bureau	2001 - 2001

4. Researches & Scientific activities

1	“Solution Of Curved Box Girder Bridges On Flexible Bents”, Scientific Jour. Tikrit Univ. Engg. Sci., Vol. 8, No. 3, Sept. 2001.
2	“Solution Of Curved Box Girder Bridges With Intermediate Diaphragms”, Al-Rafidain Engineering Journal, University of Mosul, Vol. 10, No. 1, 2002.
3	“Solution Of Beam-Columns By Laplace Transformation”, Al-Rafidain Engineering Journal, University of Mosul, Vol. 12, No. 1, 2004.
4	“Optimum Cost Design Of R. C. One Way Slabs”, Al-Rafidain Engineering Journal, University of Mosul, Vol. 18, No. 6, 2010.
5	“Optimum Cost Design Of Reinforced Concrete Beams Using Genetic Algorithms”, The Iraqi Journal For Mechanical And Material Engineering, Vol. 12, No. 4, 2012.
6	“Optimum Cost Design Of Reinforced Concrete Continuous Beams Using Genetic Algorithms”, Int. Journal of Applied Science and Engineering Research, Vol. 2, No. 1, 2013.
7	“Optimum Cost Design Of Reinforced Concrete Columns Using Genetic Algorithms”, Al-Rafidain Engineering Journal, University of Mosul, Vol. 22, No. 1, 2014.
8	“Effect Of Material Properties On Strength And Deflection Of Optimized R.C. Beams: A Genetic Algorithms Approach”, Al-Rafidain Engineering Journal, University of Mosul, Vol. 22, No. 5, 2014.
9	“Optimum Bracing Point(s) For Long Columns Under Uniaxially Loading Conditions”, International Journal of Civil, Structural, Environmental and Infrastructure Engineering Research and Development (IJCSEIERD), Vol. 7, No. 2, April 2017, pp. 1 - 14.
10	“Material Price Enfluence on the Optimum Design of Different Structural Members”, American Journal of Civil Engineering, Vol. 6, No. 6, 2017. pp. 331 – 338.
11	“Comparison of Non-Destructive Testing Methods of Concrete With The Aid of Maturity Concept”, MUTHANNA JOURNAL OF ENGINEERING AND TECHNOLOGY (MJET), DOI: 10.18081/mjet/2017-5/57-66.
12	“Optimum Tendon Placement for Post Tensioned S.S. Beam with Variable Eccentricity”, Tikrit Journal of Engineering Sciences, Vol. 25, No. 1, 2017, pp. 27 – 35.
13	“Optimum cost design of frames using genetic algorithms”, Steel and Composite Structures, Vol. 30, No. 3, 2019, pp. 293-304.
14	“Optimizing reinforced concrete beams under different load cases and material mechanical properties using genetic algorithms”, Steel and Composite Structures, Vol. 34, No. 4, 2020, pp. 467-485.
Books	
1	“Optimum Structural Cost : A Genetic Algorithms Approach ”, Dr. Rabi’ M. Najem and Dr. Salim T. Yousif, Scholar’s Press, Deutschland / Germany, 2015. (Scholar’s Press e-mail: info@scholars-press.com). The book is available at: (www.morebooks.de) and at (www.amazon.com).
2	“Construction Drawing ”, Dr. Rabi Muyaad Najem. Dar Noon for Publishing, 2020

5. Training courses for faculty members

	Training program name	Date
1	Contributing in designing several buildings inside and outside the university	

6. Scientific Conferences

	Conference Name	Date
1	“Effect Of Unit Cost On The Optimum Design Of Beams And Columns Using Genetic Algorithms”, First Isra International Engineering Conference, pp. 171 – 176.	7 – 8 April 2015

- Master’s and Doctoral theses which he supervised

	Researcher name	Thesis title	Reg. date
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- Theses which he discussed

	Researcher name	Thesis title	date
1	نجود ماجد ياسين	مواصفات وتصميم بناية خضراء متعددة الطوابق (دبلوم عالي)	2013 - 5 - 20
2	دنيا ماجد يحيى صالح	تسليح التربة واستعمالاتها في استقرارية انحدار التربة	2017 - 6 - 21
3	نايف دويرج حميد	مساهمة التغير الحراري الميكرو ونوعية ومدة المعالجة وعمر الخرسانة على الانضاج	2017 - 7 - 26
4	عمر ياسر عادل	دراسة سلوك المفاصل الإنشائية الحديدية عتب – عمود تحت تأثير الاحمال الجانبية	2019 - 1 - 10
5	سعد عبد الرحمن خضر	تطوير الخرسانة خفيفة الوزن مع انواع مختلفة من الالياف والمعرضة لارتفاع درجات الحرارة	2020 - 1 - 23
6	رياض مؤيد مال الله	تأثير الشكل الهندسي على الاستجابة الديناميكية للهياكل الخرسانية المسلحة تحت تأثير الحمل الانفجاري	2020 - 2 - 13
7	محمد وليد وعد الله	التصميم الانشائي لخزان حديدي عال مع قاعدته (دبلوم عالي)	2020 - 4 - 22