

CURRECULUM VITAE

MUHAMMAD I. M. DIAB RJOUB

PERSONAL INFORMATION

Name : Muhammad Ibrahim. M. Diab Rjoub
Address : Faculty of Engineering Technology
Date of Birth : August 5, 1959
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EDUCATION

1993-1998 (Ph. D.)	University of Technology Civil Engineering/Structures Thesis Title: " Three Dimensional Nonlinear Finite Element Analysis of High Strength Concrete Panels and Beams in Torsion "	Baghdad-Iraq
1986-1990 (M. Sc.)	Jordan University for Science and Technology Civil Engineering/Structures Thesis Title: " The Effect of Fiber Orientation on the Buckling of Laminated Cylinders "	Irbid-Jordan
1980-1984 (B. Sc.)	Yarmouk University Civil Engineering/General	Irbid-Jordan

ACADIMIC EXPERIENCES

2008- Now	Associate Prof. Faculty of Engineering Technology (FET)/ Al- Balqa Applied University (BAU)	FET/BAU
2007-2008	Sabbatical Leave: Gulf Engineering House	Riyadh/KSA
2006	Associate Prof. Faculty of Engineering Technology (FET)/ Al- Balqa Applied University (BAU)	FET/BAU
2005-2006	Al-Albays University- part time lecturer	Al-Albays University
2002-2003	Vice Dean for Associate Degree Affairs	FET/BAU
2001-2002	Assistant Dean for Associate Degree Affairs.	FET/BAU
2000-2001	Part time Lecturer /Civil Engineering Department/ Jordan University.	UNIVERSITY of JORDAN
1998-2001	Head of Civil Engineering Department	FET/BAU
1998- 2006	Assistant Prof./Civil Engineering Department/ Al-Balqa' Applied Un.	FET/BAU
1992-1998	Instructor/ Civil Engineering Department	FET/BAU

1990-1992	Instructor/ Civil Engineering Department / Amman College for Applied Engineering / Ministry of Higher Education (MOHE).	MOHE
1985-1988	Teacher/Engineer/Hawwara Community College	MOHE
1984-1985	Teacher/Engineer/Amman Community College for Engineering Professions.	MOE

Practical Experience and Supervising Training Courses

2007-2008	Head of Structural Design Unit / Gulf Engineering House Trainer & Lecturer:	Riyadh Saudi Arabia
August 2007	Advanced Training Course in the Design of Brides	Makkah
Dec/ 2006	Trainer and Lecturer: Training course in Rehabilitation of RC Structures	Muscat/Oman
2005	Leader of Structural Design Group	Arabtec/Jerdaneh Amman 200
May 2002	Trainer and Lecturer: Training Course on: Skills of Preparing Quantity Surveying Bills.	Department of Public Works at Abu-Dhabi- United Arab Emirates
1988-1990	Field Engineer/ Projects of Public Security- Jordan	JORDAN
1980-1984	Building Supervisor	Municipality of Irbid/Jordan

COMMITTEES, MEMBERSHIPS & COUNCILS:

2008-now	Member of Faculty Council.	FET/BAU
2008-Now	Member of Promotion Committee of Faculty Staff.	FET/BAU
2001-2002	Member of the Dean Council of the Community Colleges	FET/BAU
1998-2003	Member of Faculty Council.	FET/BAU
2005- 2006	Member of the Scientific Committee of the 4 th Jordan Conference of Civil Engineering, July 2006	Association of Jordan Engineers
2004	Member of the Committee of Evaluation of Civil Engineering Graduation Projects Awards of Jordan Universities	Association of Jordan Engineers
1984 up to now	Member in the Association of Jordan Engineers	Association of Jordan Engineers

CONFERENCES AND SCIENTIFIC ACTIVITIES

A. CONFERENCES

1. **Rjoub Muhammad I.** "Bond Strength Between Building Stones and Concrete in Stone Masonry Structures" the 6th International Conference on Concrete Technology for Developing Countries, **October 21-24, 2002** , Amman-Jordan.
2. **Rjoub Muhammad I.,** Hunaitti Y. "Flexural Strength of Steel Fiber Reinforced Concrete Beams" the 6th International Conference on Concrete Technology for Developing Countries, **October 21-24, 2002** , Amman-Jordan.
3. **Rjoub Muhammad I.** "Shear Strength of Reinforced Concrete Panels Subjected to In-Plane Stresses" Al-Azhar 7th International Engineering Conference, **April 7-10, 2003**, Cairo-Egypt.
4. **Rjoub Muhammad I.** "Shear Response of Panels Subjected to In-Plane Stresses" Second International Conference on Structural Engineering, Mechanics and Computations, **July 5-7, 2004** , Cape Town-South Africa .
5. **Rjoub Muhammad I.,** Rasheed T. M. "Shear Strength of Steel Fiber High Strength Concrete Beams," the 7th International Conference on Concrete Technology in Developing Countries, **October 5-8, 2004**, Kuala Lumpur-Malaysia.
6. Musmar M., **Rjoub. M.** "Correlating The Cylinder And Split Tensile Strength Tests on Steel Fiber Reinforced Concrete," International Conference of Dundee University, UK, **July 10-14, 2008**, pp 333-342

B. JOURNAL PUBLICATIONS AND BOOKS :

7. **Rjoub Muhammad I.** "Shear Strength of Reinforced Concrete Panels Subjected to In-Plane Stresses" Dirasat, Engineering Sciences, Vol. 31, No. 1 **April, 2004**, Amman-Jordan, pp 45-59.
8. **Rjoub Muhammad I.** "Bond Between Concrete and Building Stones in Stone Masonry Structures," Published in The Masonry Society (TMS) Journal, (Vol. 23 **December 2005**) Boulder- Colorado-USA.
9. **Rjoub Muhammad I.** "Moment Capacity of Steel Fiber Reinforced Concrete Beams" Journal of Engineering Sciences, **Sept. 2005**, Assiut-Egypt.
10. **Rjoub Muhammad I.** Awwad M. "Effect of Silica Powder Addition on Some Concrete Properties," (Journal of Engineering Sciences, Assiut University- Egypt, Vol. 33, No. 5 pp1715-1721, **2005**, , Assiut-Egypt.
11. Musmar Mazen, **Rjoub Muhammad I.** "Split Tensile Strength of Steel Fiber Reinforced Concrete" (International Association for Concrete Technology Journal-Malaysia- **Jan- 2005**)
12. **Rjoub Muhammad I.,** Rasheed T. M. "Shear Capacity of High Strength Fiber Reinforced Concrete Beams," (Dirasat, Engineering Sciences, Vol. 33, No. 1 **April, 2006**, Amman-Jordan)

13. Hunaitti Y., **Rjoub M**, and Rasheed T. "Engineering Mechanics-Statics" A textbook written in Arabic Language Dar Al-Maseera- Amman- Jordan **2006**.

14. **Rjoub M.**, Musmar M. "Torsional strength of steel fiber reinforced concrete", **Journal of Engineering Sciences**, Assiut University- Egypt , **Jan 2007**

15. **Rjoub Muhammad I.** "Rehabilitation of Reinforced concrete Structures," A textbook written in Arabic Language, **Dec. 2008**.

C. WORKS TO BE PUBLISHED

1. Effect of elevated temperature on the tensile and compressive strength of steel fiber reinforced concrete
2. Effect of Fire on Concrete Structures (Case Study).
3. Serviceability of Skewed Solid Slab Bridges.

D. SUPERVISING AND EXAMINING MASTER STUDENTS:

1. Co-supervising of two master students (Jordan University):
 - Muhammad M. F. Khawaja. (2002-2003)
 - Ali Abdel Fattah Mahameed. (2003-2005)
2. External examiner for (15) master students in the Jordan University and Jordan University for Science and Technology (JUST) from 2002-2005:
 - Jordan University: 8 students.
 - JUST : 7 students.

RESEARCH INTERESTS:

1. Reinforced concrete (analysis and design).
 2. Shear and Torsion in RC members.
 3. Steel Fiber Reinforced Concrete
 3. Numerical methods in structural engineering.
 4. Rehabilitation of civil engineering structures.
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COURSES TAUGHT AT THE B. SC. LEVEL

- Rehabilitation of RC structures.
 - Engineering Mechanics (Statics).
 - Mechanics of Materials (Strength of Materials).
 - Structural Analysis I and II.
 - Design of Prestressed Concrete.
 - Design of Reinforced concrete (I and II).
 - Tunnel Engineering.
 - **Supervision of student graduation projects.**
 - Engineering Materials and Materials Science.
 - Concrete Technology.
 - Structural Mechanics for Architects (Jordan and Al Albayt University).
 - Co-supervisor of M. Sc. Students (at Jordan University).
 - Building Construction (Al Albayt University).
 - Foundation Engineering.
 - Design of Bridges.
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- **SUPERVISION OF THE GRADUATION PROJECTS:**
 - Supervising more than 20 groups of graduation projects of students.
 - Two groups of my students **won the first prize in the graduation engineering projects** in the annual engineering project award for the Jordan Universities held by the Jordan Engineer Association (**In the years 2003 and 2006**).
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