



CURRICULUM VITAE

Dr. Rateb Saegh

**Civil Department , Faculty of Engineering , Wadi International
University**

1- Personal Information and Marital Status :

Name : **Rateb**
Place & Date of Birth : **Ezraa / 1967**
Marital Status : **Married**
Number of Children : **3 kids**
Permenant Address : **Homs, Wadi AlNadara**

2- Scientific Degree Information :

Description	BSc	MSc	PhD
Grade	Very good	Excellent	Excellent
Major	Civil	Civil	Civil
Minor	General Civil	Numerical Modeling	Numerical Modeling
Study Language	Arabic	English	English
University	AlBaath	Cairo	Cairo& Frankfurt
Location	Homs	Egypt	Epypt & Germany
Year Obtained	1990	1997	2000

Diploma Thesis Title : **Rechrge of Aquifers**
3rd Cycle PhD Thesis Title : **Numerical Modeling**
Doctorat D'Etat Thesis Title : **Numerical modeling in arid and semi aris regions**
Higher Training Course :

- **International Project Management**
- **IWRM in the Middle East**
- **Dam Engineering**

3- Languages :

Arabic : √
French : X
English : √

4- Professional Experience :

Position	Institute	Duration
Teacher- University (Fall Timer)	Wadi International Univ.	2018–2013
Director of W. Resources	General Commission of W.R	2013–2010
Teacher- University (Part Timer)	Damascus Univ.	2009–2006
Head of International W Dept.	General Commission of W.R	2006–2005
Specialized Certificate	Hessen Wasser Inst./ Germany	2005–2004
Specialized Certificate	Tsokoba-Tokyo Inst./ Japan	2004–2003

5- Courses Taught and Capability to Teach the Following :

- 1- **Strength of Materials** for the students of second year. 1. مقاومة مواد لطلاب الهندسة المدنية السنة الثانية.
- 2- **Engineering Mechanics** for the students of 1st and second year . 2. الميكانيك الهندسي لطلاب الهندسة المدنية السنة الأولى الثانية
- 3-**Building Materials** for the students of. 3. مواد البناء لطلاب الهندسة المدنية السنة الثانية.
- 4- **Environmental Engineering** for the students of second year . 4. الهندسة البيئية لطلاب الهندسة المدنية السنة الثانية.
- 5-**Comuter Aided Design** For the students of fifth year . 5. التصميم بمعونة الحاسب لطلاب الهندسة المدنية السنة الخامسة.
- 6-**Engineering Economy** For the students of fifth year . 6. الاقتصاد الهندسي لطلاب الهندسة المدنية السنة الخامسة.
- 7-**Hydraulics & Hydro Structures** for the students of third year. 7. الهيدروليك المنشآت المائية لطلاب الهندسة المدنية السنة الثالثة .
- 8-**Introduction to Environmental Science** for the students of first year . 8. مقدمة في علوم البيئة لطلاب الهندسة المدنية السنة الأولى .
- 9-**Bachelor Project** for the students of fifth year. 9. مشروع التخرج لطلاب الهندسة المدنية السنة الخامسة.
- 10-**Standards & Law- Economy** for architecture students of fifth year . 10. الاقتصاد لطلاب الهندسة المعمارية السنة الخامسة.
- 11-**Structural Design: Building Materials** for the architecture students of second year. 11. التصميم الإنشائي: مواد البناء لطلاب الهندسة المعمارية السنة الثانية .
- 12 -**Technology 1-A: Building Physics 1** for the architecture students of fourth year 12. التطبيقات A-1 : تجهيزات المباني - لطلاب الهندسة المعمارية السنة الرابعة .

6- Books and Publications :

- Textbook of *Aquifer Recharge in Arid and Semi-Arid Regions*, 1997.
- Textbook of Numerical modeling *in Arid and Semi-Arid Regions*, 2000.
- Textbook about the *Analysis Of the current status of water constructions in Syria and using modeling, Damascus, Syria*, 2003.
- paper of Integrated *Water Resources Management for Middle East*, 2009.

7- Research Studies :

1. **Best solutions to deal with the damaged constructions in illegal areas that damaged by the war in Syria**
2. **Potable water saving strategy to help poor people in Damascus city during the current destruction (Using new technique of Numerical Models)**

8- Supervision :

1. *Member of Task Force Committee in International Center for Biosaline Agriculture – ICBA , project of " Collaborative Programme Euphrates and Tigris (CPET)2016-2018, Dubai.*
2. Education, Irrigation And Rehabilitation Engineer /FAO/- Residential Engineer /FAO/ Damascus, Supervisor of *the Project ; "Rehabilitation of irrigation systems in the Upper Orontes Valley and construction of Small Rainwater Harvesting Dams and Rehabilitation of School gardens "* – Program: *"OSRO/SYR/601/EC, Strengthening the resilience of food and nutrition security of crisis-affected people and their host communities in Syria"* 30/3/-30/92017 Contract No. 10/2017
3. Irrigation And Rehabilitation Engineer /FAO/- Residential Engineer /FAO/ Damascus, Supervisor of *the Project ; "Rehabilitation of irrigation systems in Tartous Governorate and construction of Small Rainwater Harvesting Dams in ALTawaheen and Al Bereh Areas "* Contract No. 11/2017
4. Irrigation And Rehabilitation Engineer /FAO/- Residential Engineer /FAO/ Damascus, Supervisor of *the Project ; "Rehabilitation of Four pumping stations in Aleppo Governorate "* Contract No. 12/2017
5. Executive Engineer, Construction of small rainwater harvesting dams, Urban Project, supplying Damascus countryside by drinking water network, cooperation with Japan (JICA), 2004.
6. Supervision Engineer, Urban Project, Studying the effects of waste water on Damascus Ghota, Cooperation with ACSAD.2005
7. Supervisor Engineer, regional planning of Wadi Barada, Damascus, **General Company for Engineering Studies & Consulting 2005**

8. Supervisor Engineer, Initial National Announcement of climate change ,UN, Syria 2008
9. Sewerage and sewage treatment strategy catchments study for Damascus countryside, WEIDA 2008.
10. Supervisor Engineer, Development of a Numerical Groundwater Flow Model for the Larger Orontes Basin, Syria, Hama, Homs. Dutch-Syrian Water Cooperation. 2008.
11. Supervisor Engineer, Installing a pumping station on Tigris River, (some parts of civil works, structural works, infrastructures,....etc) 2010.
12. Supervisor teacher for many studental projects (Thesis).
13.etc.

9- Conferences and Workshops :

- *The 15th International Course on Environmental Hydrology For Arid and Semi-Arid Regions*, The Training Center, Ministry of Public Works and Water Resource, May 20th to June 28th 1995, **Cairo, Egypt**.
- *Workshop about the Mathematical Modeling For pollution and Decision Support system*, 18-20 December 2002, **Rabat, Morocco**.
- *Advanced training* in River and Dam Engineering , 12/8-29/11/2003, **Japan**
- *Advanced professional training* in Integrated Water Resources Management, 2/12/2004-1/8/2005, **Frankfurt, Germany**.
- *Advanced training program* in International Management for projects ,1/7-21/7/2005, **Berlin, Germany**
- *4th World Water Forum*, 16-23/3/2006, **Mexico City, Mexico**
- *Logical Aspects of Water Demand Management*, 23-24 October 2006, **Amsterdam, Holland**
- *Advanced Training Course in Investment Project Preparation and Appraisal Seminar*, 16/2-8/3/2008, **Tokyo, Japan**
- *RAMSAR Convention standing Committee*, 2-6 June 2008 (Wet Lands), Gland, **Switzerland**
- Inter. course in (*Integrated Transboundary Water Resources Management for the MENA Region*), SIWI (Stockholm International Water Institute), , 2-13 Nov.2008 **Jordan, Amman**
- Inter. course in (*Integrated Transboundary Water Resources Management For the MENA Region*) SIWI (Stockholm International Water Institute), Ramboll Natura/Sweden, 14-22 Feb..2009 **Stockholm, Sweden**

- Advanced Training program in *Integrated water Resources Management in The Middle East countries*, 29/3-18/4/2009, **Tokyo, Japan**
- Expert Group Meeting on *the development of vulnerability Assessment for the Arab Region to Assess Climate Change Impacts on the water resources sector*, 8-10/11/2010, **Beirut, Lebanon.**
- *Water Resources Committee meeting*, 8-10-2/2011 **Beirut, Lebanon**
- UN meeting (ESCWA) *climate change modeling* 2-6/7/2012 **Beirut, Lebanon**
- **Member of ESCWA activities regarding Modeling for several years.**
- **International workshop in the field of Collaborative Programme Euphrates and Tigris (CPET), Malaysia, Kuala Lumpur 2017**
- **International workshop in the field of Collaborative Programme in Namibia, Lothoto and South Africa 2017**

10- Specialized Subjects for Work or Consultations :

- 1. Water Structural Engineering**
- 2. Sustainable Civil Engineering**
- 3. Sanitation & Environmental Engineering**
- 4. Hydraulic and Hydro-Constructions**
- 5. Computer Aided Design in the field of construction**

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