

**Curriculum vitae (C.V)**

**MOHAMMAD HASAN KHADDOUR**

**Personal Data:**

Name: MOHAMMAD HASAN KHADDOUR

Date & Place of Birth 1959, Homs, Syria.

Nationality: Syrian

Marital Status: Married (have three children)

**Present Address:**

Al-Baath University, Homs- Syria, Po Box 77

Mobile: + 963944407149 ; +963937383372.

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*E-Mail:* hosam.khador@hotmail.com

**Languages:**

* + 1. Arabic language: Mother Language
    2. English language: Good; speaking, reading and writing.
    3. Russian language: Well; in both speaking and reading

**Qualifications:**

* Bachelor Degree in Petroleum Engineering (Honors) , Al-Baath University, Homs,: (5 years) Graduation Date: September, 1983
* PhD in Drilling of Oil and Gas Wells Engineering.-" Study the Pore Pressure of the cement Slurry in the Annular for Preventing Oil-Gas-and Water Blow Outs during Cementing ". Government Academy of Petroleum and Gas (Named: Gubkin), Moscow, Russia. Duration: 6 Years (October, 1985 – September, 1991) (Including 1 year Russian language from October 1985 to September 1986).

**Academic Positions at Al-Baath University** :

* Teacher, August 1992 to April 2004
* Assistant Professor, April 2004 to January 2011
* Professor, January 2011 Up to Date.

**Area of Interest:**

Petroleum Engineering: Drilling Engineering (Drilling Technology, Casing, Cementing, Hydraulic System Of Drilling, Drill Stem Testing, Off-Shore Drilling, Directional and Horizontal Drilling), and well completion.

**Teaching Experience**

**- Undergraduate:**

**I. At Al-Baath University:**

1. Drilling Engineering-1 (Drilling methods), 3d year.

2. Drilling Engineering-2 (Casing and Cementing), 4thyear.

3. Drilling Engineering-3( Drilling Regime and drilling Problems), 4thyear.

4. Drilling Engineering-4(Modeling of drilling processes and problems, 5thyear.

5. Drilling Fluids, 3dyear.

6. Rock Mechanics, 3dyear.

7. Industrial Safety and Pollution in Petroleum Industry, 5thyear.

**II. In Syrian Private University**:

1. Oil well Drilling and completion…… 3d year

2. Well design……………………………4th year

3. Drilling fluids and Cement…………… 3d year

4. Off Shore Drilling……………………..5th year .

5. Directional and Horizontal Drilling……5th year .

**III. In Euphrates University**:

1. Drilling Engineering-1 (Drilling methods and DST)…. 3d year

2. Drilling Engineering-2 (Casing and Cementing and Well completion)……………………………………………4th year.

3. Rock Mechanics………………………..3dyear

4. Drilling Fluids…………………………...3dyear.

**- Postgraduate(Drilling Engineering Diploma and MSc program in Al-Baath University):**

1. Advanced Techniques in Drilling and Supporting of Oil and Gas Wells . MSc program

2. Technology of Oil and Gas wells Completion. MSc program.

3.Technics of Offshore and Directional Drilling…Diploma Program. **Supervision:**

1- Supervisor of 130 Undergraduate Projects: (3 students /one project) since 1992 to 2016

2 - Supervisor of 9 MSc. Dissertations.

3 - Supervisor of 3 PhD Drilling Engineering Dissertations.

**Professional Experience:**

1. External Examiner of MSc Dissertation for College of Science, Aleppo University, 2007

2. External Examiner of PhD Dissertation for College of Science, Aleppo University, 2009

3. Member of many Examination Projects committees in petroleum Engineering Departments of: Al-Baath, Euphrates, Syrian Private Universities.

4. Member of many Examination committees MSc Dissertation in petroleum Engineering Departments in Al-Baath University.

5. Committee member of Petroleum Engineering development program in: Al-Baath, Euphrates, Syrian Private and Al-Maamoon Universities.

6- Expert of SGS Company (Switzerland) for Awarded ISO Certificate to Petroleum and Gas Companies.

**Computer & Programming Skills:** 1. Good in Programming using, Visual Basic; Matlab; and FORTRAN.

2. ICDLSkills Card **(International Computer Driving Licence). Administrative Experience:**

1. Head of Petroleum Engineering Department (Al-Baath University), 1994- 1995

2. Dean Faculty of Chemical and Petroleum Engineering (Al-Baath University), 2009-2013

3. Member of Editorial Board of Research Journal of Al-Baath University, 2012 Up to Date.

**Publications*:***

**I. Books:**

1. Drilling Engineering-1(Drilling Methods and DST), (Practical Part), Al Baath University, 1996-1997

2. Drilling Engineering-1(Drilling Methods and DST), (Practical Part), Al Baath University, 2009- 2010

3. Drilling Engineering-1(Drilling Methods and DST), (Theoretical Part) , Al Baath University, 2009-2010

4. Drilling Engineering-2(Casing and Cementing and Well completion), (Theoretical Part) , Al Baath University, 2014

5. Drilling Engineering-2(Casing and Cementing and Well completion), ( Practical Part) , Al Baath University, 2014

**II. Researches:**

1. Study the relation between cement slurry and Oil Formations. Moscow, 1991

2. Study the relation between cement slurry and Water Formations. Moscow, 1991

3. Study the relation between cement slurry and Gas Formations. Moscow, 1992

4. Study the ability of improving of isolating properties of cement slurries. Moscow, 1992

5. Study the Foam cement slurries and the ability of their using in Oil Syrian Fields. Al-Baath University Journal, Vol. 26, NO . 2, 2004

6. The optimal consumption of loss power in the bit nuzzles. Al-Baath University Journal, Vol. 26, NO . 8, 2004

7. Using "Filler" for improving isolating properties of cement set. Al- Baath University Journal, Vol. 30, 2008

8. Solving of Lost circulation in Surface stages of Sadad Formation using Foam cement. Al-Baath University Journal, Vol. 29, 2007

9. Study the effect of Osmotic process on Filtration through Clay formations during drilling. Al-Baath University Journal, NO . 943, 2009

10. Study the role of capillary forces in affecting the clay Formations during well drilling in the middle area of Syria. Al-Baath University Journal, Vol. 31, 2009

11. Improvement the goodness of well cementing using the fertilizer waste industry. Al-Baath University Journal, Vol. 31, 2009

12.The immunization of the local clay drilling fluids against the pollution by products of calcareous formations. Al-Baath University Journal, Vol. 32, 2010

13. Improvement the performance of cement in the production stages of gas wells. Al-Baath University Journal, Vol. 32, 2010

14. The effect of Sodium Salts on the Cement Set in the annular. Al- Baath University Journal, Vol. 32, 2010

15. Improvement the role of Mud Cake in cementing of production stages of Gas wells. Al-Baath University Journal, NO . 3505 , 2010

16. The effect of drilled cement on properties of local clay drilling fluids and their treatment. Al Baath University Journal, Vol. 32, 2010

17. The effect of geometric factors of well model on the balance time of drilling fluid. Al Baath University Journal, NO .218 , 2010

18. Study the effect of temperature and solid content of drilling fluid on the balance time of drilling fluid. Al Baath University Journal, NO  .1106 , 2011

19. Study the effect of light weight additives on the cement slurry and cement set. Al- Baath University Journal, NO .434 , 2010

20. Study the effect of expanding additives on the cement slurry and cement set. Al- Baath University Journal, NO .1201 , 2011

**Conferences Participation:**

1. The Fifth Egyptian-Syrian Conference in Chemical and Petroleum Engineering. Swiss Channel University, Egypt, 2003

2. The 6th Syrian- Egyptian Conference in Chemical and Petroleum Engineering. Al-Baath University, Homs, Syria, 2005

3. The 8th Syrian- Egyptian Conference in Chemical and Petroleum Engineering. Al-Baath University, Homs, Syria, 2009

4. The 1st International Conference of Gas. Al-Baath University, Homs, Syria, 2002

5. General secretary of the8th Syrian- Egyptian Conference in Chemical and Petroleum Engineering. Al-Baath University, Homs, Syria, 2009

6. General secretary of the second international conference in food industries and Biotechnology . Al-Baath University, Homs, Syria, 2010

7. Anticipation in Workshop: Horizons of Cooperation between Petroleum Department Engineering in Al-Baath University and Syrian Petroleum Company. Al-Baath University 2002

8. Anticipation in Workshop: Modern Techniques or Exploration and Drilling and Exploitation of Petroleum and Gas Fields in Syria. Between Al-Baath University and Syrian Petroleum Company. Al- Baath University 2005

7. Engineering Scientific Weeks in RAKKA : 7th (2003), 8th (2004), 9th (2005), 10th(2006), 11th (2007), 12th(2008).

**Training Courses** :

1. Training field course in field Jbessi ( 1992 ).

2. Training field course in field Romeilan (2002 ).

3.Training field course in field Jbessi ( 2007 ).

4. Training course in Company" ALPHA"for training.

**- I had worked in Sudan University of Science and Technology (SUST ) in the Department of Petroleum Engineering for 6 years ( 1995-2001 ) in the field of teaching and research. During this period I had worked in "Computerman University" in the field of teaching**

Through This Period Dr. Khaddour has been Participating in commencing the following Disciplines:

**I. Lecturing:**

**A. Bachelor of Petroleum Engineering:**

1. Drilling Fluids.

2. Rock Mechanics.

3. Drilling Engineering-I (Methods of Drilling).

4. Drilling Engineering-II (Well Casing and Drill Stem Testing).

5. Mechanics of Drilling Equipment.

6. Drilling Engineering-III (Well Cementing).

7. Advanced Oil and Gas Well Drilling Engineering.

8. Well Completion.

9. Introduction to Petroleum Engineering.

**B. Technical Diploma of Petroleum Engineering:**

1. Drilling Technology-I (Drilling Fluids)

2. Drilling Technology-II (Methods of Drilling).

3. Well Completion Technology.

4. Drilling Technology-III (Well Casing).

5. Drilling Technology-IV (Well Cementing).

6. Petroleum Technology.

**C. Postgraduate of Petroleum Engineering:**

1. Drilling Fluids.

2. Advanced Drilling Engineering of Oil and Gas Wells.

**II. Supervision:**

1. Supervisor of more than 45 Projects for BSc and Technical Diploma ( 3 Students/Project).

2. Supervisor of 8 Projects for Postgraduate Diploma.

3. Supervisor of 1MSc Dissertation.

**III. Participating in planning and programming of BSc and Technical Diploma in the Department of Petroleum Engineering.**

**IV. Offered many studies and consultations to Oil and Gas Companies in Sudan ( Petroleum Sudanese Company, Canadian State Company, Al-Khaleej Petroleum Company).**