

CURRICULUM VITAE

Talal Al-Wahaibi

Dean, College of Engineering at A'Sharqiyah University
Member of the Board, Oman Authority for Academic Accreditation and Quality Assurance of Education (OAAAQA)

1. PERSONAL INFORMATION

- **Address:** A'Sharqiyah University, P.O. Box 42, Postal Code 400, Ibra, Sultanate of Oman,
Tel: (968) 95180328,
email: talal.alwahaibi@asu.edu.om
- **Date of Birth:** 8th of September 1975
- **Nationality:** Omani
- **Marital Status:** Married

2. EDUCATION AND EMPLOYMENT INFORMATION

2.1 Education Background

1. Institution Sultan Qaboos University, Oman
 - Degree BEng
 - Major Petroleum Engineering
 - Year 1998
2. Institution The University of Tulsa, USA
 - Degree MEng
 - Major Chemical Engineering
 - Year 2001
3. Institution University College London, UK
 - Degree PhD
 - Major Chemical Engineering
 - Year 2006

2.2 Employment History

- | | | |
|-------------|--------------|---|
| 1998 - 2001 | Demonstrator | Petroleum and Chemical Engineering Department, Sultan Qaboos University |
| 2001 - 2006 | Lecturer | Petroleum and Chemical Engineering Department, Sultan Qaboos University |

2006 - 2013	Assistant Professor	Petroleum and Chemical Engineering Department, Sultan Qaboos University
2013 - Feb. 2018	Associate Professor	Petroleum and Chemical Engineering Department, Sultan Qaboos University
2014 – Feb. 2018	Assistant Dean	Deanship of Research, Sultan Qaboos University
Feb. 2018 – Dec 2021	Director of Sectors Innovation	Industrial Innovation Center
Jan 2022 - Present	Associate Professor	College of Engineering, A' Sharqiyah University
Oct. 2022 - Present	Dean	College of Engineering, A' Sharqiyah University

3. Continuing Education

3.1 CONFERENCE, FORUM, SHORT COURSE & WORKSHOP ATTENDANCE

1. Attended the International Conference on Research and Innovation in Support of Economic and Digital Transformation in Oman at Sultan Qaboos University, Oman: May 6-7, 2024
2. Attended an information session on the Joint Master's Program in Engineering Management between ASU and GWU at Hurmuz Grand Hotel, Muscat: April 21st, 2024.
3. Attended an information session on the Joint Master's Program in Engineering Management between ASU and GWU at the Radisson Blu Sohar: April 24th, 2024.
4. Attended a workshop to develop Mining Sector Innovation Strategy, Muscat, Oman: 16th of 2019.
5. Attended Oman Sustainability Week at the Oman Convention Center: March 13, 2023.
6. Attended a workshop to prepare a roadmap for research and development in the field of the hydrogen economy at Innovation Park Muscat: February 1, 2023.
7. Attended the Green Hydrogen Summit at the Oman Convention Center: December 6-7, 2022.
8. Attended workshops on innovation in the fisheries sector in Oman, Muscat, Oman: 14th, May 7th, and October 23rd, 2018.
9. Attended workshops on innovation in the marble sector in Oman, Muscat, Oman: March 26th and November 12th, 2018.
10. Attended the 19th Global Gypsum Conference & Exhibition 2019, Kuala Lumpur, Malaysia: 23- 24 October 2019.
11. Attended workshop on Treatment and Recycling of Waste from Mining Activities, Muscat, Oman: 15-17 April 2019.

12. Attended workshop on Technology Scouting, Assessment and Intellectual Property, ADAstra, Malaysia: 9-15 July 2018.
13. Attended a session on SQU Cooperate Level Risk Register, Al Faham Stage, Cultural Center, SQU, Oman: 12 December 2017.
14. Attended the Oman Energy Industry-Academia R&D Summit, Grand Hyatt Hotel Muscat, Oman: 18 October 2016.
15. Attended Workshop on “Certified Performance Improvement Professional” by The KPI Institute, Sultan Qaboos University, Oman: 09-11 October 2016.
16. Attended Workshop on “Leadership Innovation” organized by the Research Council, Muscat, Oman: 1-3 February 2016.
17. Attended the Gulf Intelligence OEF Industry Workshop to build a 25-Year Oman Energy Master Plan, Grand Hyatt Hotel Muscat, Oman: 20 October 2015.
18. Participated in “SciVal Training” at Sultan Qaboos University, Oman: 05 October 2015.
19. Attended Workshop on “Induction in Research” organized by Association of Research Managers and Administration”, Brighton, UK: 1st June. 2015.
20. Attended Workshop on “Preparing Engineers for a Globalized Economy: How to Teach Engineering Students Process Skills” organized by Sultan Qaboos University, Muscat, Oman: 26-28 May. 2015.
21. Attended Workshop on “World Class University Research Outcomes” organized by Liquid Learning, Dubai, UAE: 11-14 Jan. 2015.
22. Workshop on ABET Outcome Assessment and Evaluation given for College of Applied Science, Sohar, Oman: 19 April 2014.
23. Workshop on ABET Program Assessment organized by Sultan Qaboos University, Muscat, Oman: 14-15 Feb. 2012.
24. Workshop on Nuclear Power Consideration organized by IAEA and Peaceful Nuclear Technology Office in Oman, Muscat, Oman, 17-18 Oct 2011.
25. Quality Assurance/Quality Control of PVT Measurements and Analysis, PDO, Oman, 30th June 2010.
26. National Workshop on Result Based Management and Technical Cooperation project Planning and Formulation organized by IAEA and Peaceful Nuclear Technology Office in Oman, Muscat, Oman: 31 Oct - 4 Nov 2009.
27. Applied Technology Workshop on Chemical Methods of reducing Water Production, San Antonio, Texas, USA: 4 – 6 March 2007.
28. College of Engineering Strategic Plan 2009-2013, SQU, Oman: 6th May 2009.
29. Workshop on Flow assurance with OLGA 2000 organized by ScanPower, Guildford, UK: 26 - 28 April 2005.

4. AWARDS AND RECOGNITION

- Certificate of Appreciation from DVCAAR of A’Sharqiyah University for the Successful Organization of the International Conference of Energy and Sustainability, A’Sharqiyah University, 22-23 April 2024.
- Highly Cited Researcher Award, 2023, A’Sharqiyah University, Oman.
- Certificate of Appreciation from the Public Authority of Mining and Arab Industrial Development and Mining Organization for participation in the Treatment and Recycling of Waste from Mining Activities workshop, Muscat, 15-17 April 2019.

- Certificate of Appreciation from the Chair of the Organizing Committee of the “10th international conference of thermal engineering and application” for my contribution in the Conference, Muscat, Feb 2017.
- Letter of appreciation and recognition from DVC-PSR, Prof. Amer Al-Rawas, for my efforts as a member in the Research Committee for preparing the action plan (2016-2020) of Sultan Qaboos University strategic plan
- An award from Sultan Qaboos University, in University Day, as an appreciation for excellence in research for the academic year 2015/2016.
- Certificate of Recognition from The American Institute of Chemical Engineers (AIChE) for being a member in good standing for five years, 2015
- Best Presenter Award, IPN-IASET Conferences, 11-12 September 2015, Bangkok, Thailand
- Letter of Appreciation from the Vice Chancellor of Sultan Qaboos University for the efforts and contributions extended toward ABET Accreditation of Engineering Programs, August 2014.
- Best Researcher Award, 2013, Sultan Qaboos University
- Letter of Appreciation from the Vice Chancellor of Sultan Qaboos University for the efforts and contributions extended toward ABET Accreditation of Engineering Programs, March 2010.
- Letter of Appreciation from Ministry of Manpower for reviewing and evaluating the chemical and petrochemical engineering program prepared for Salalah College of Technology.
- Letter of Appreciation from his Excellency Minister of Higher Education in 2001 for achieving GPA of 4.0/4.0 in my master degree
- Letter of Appreciation from the Vice Chancellor of Sultan Qaboos University for achieving GPA of 4.0/4.0 in my master degree, 2001.
- Sultan Qaboos University PhD Degree Scholarship recipient, 2002-2005
- Sultan Qaboos University Master Degree Scholarship recipient, 1999-2001
- Dean List, Sultan Qaboos University, 1997

5. TEACHING

5.1 At A'Sharqiyah University

Undergraduate Courses

Course Code	Course Title	Year Taught Fall (FA), Spring (SP), Summer (SU)
CVEN350	Thermofluid Engineering	2022 (SP)
ENEN 201	Renewable Energy	2022 (SP)
ENGR321	Dynamics	2022 (SP), 2023 (SP), 2024 (SP)
EETE315	Complex Variables and Applications	2022 (SP)

Curriculum Development and Teaching Management

- Developed materials and lecture notes for Renewable Energy Course (ENEN 201).
- Prepared/edited/updated course descriptions, materials and notes of the following courses:
 - CVEN350 Thermofluid Engineering
 - ENGR321 Dynamics
 - ENGR220 Statics
- Participated in developing and designing experiments for Thermofluid Engineering.
- Active participation in developing detailed guidelines for final year Project I and II.
- Participated in the modification of the internship handbook.
- Extensive participation in development of new programs
 - BSc in Energy Engineering
 - BSc in Sustainable Systems Engineering
 - BEng in Artificial Intelligence
- Extensive participation in curriculum development of the master program in Chemical and Process Engineering
- Active participation in developing two study plans, one for students starting in Fall and the other one for students starting in Spring.

5.2 At Sultan Qaboos University

Undergraduate and Postgraduate Courses

Course Code	Course Title	Year Taught
		Fall (FA), Spring (SP), Summer (SU)
CHPE 3102	Engineering Thermodynamics	2007 (FA), 2007 (SP)
CHPE 3212	Chemical Process Industries	2013 (SP), 2012 (SP), 2010 (SP)
CHPE 3402	Heat Transfer	2008 (FA)
CIVIL 4142	Fluid Mechanics	2007 (SU), 2008 (SU), 2009 (SU)
CHPE 4312	Chemical Engineering Lab I	2007 (SP)
CHPE 4712	Chemical Engineering Lab II	2007 (SP), 2008 (FA), 2009 (FA), 2010 (FA), 2011 (FA), 2012 (FA)
CHPE 4192	Chemical Engineering Practical	2012 (SP)

Coordinating Courses

- CHPE 5312 Project I (FA2010, FA2011)
- CHPE 5512 Project II (SP2011, SP2012)
- ENGR 3006 Industrial Training I (2007)

Industrial Training Supervision

- ENGR 3006 Industrial Training I
- ENGR 4006 Industrial Training II

Students Projects Supervision

- **Undergraduate Students Supervision (5 Final-Year Projects)**

- Project Title: 'Gas Processing Plant Design'
Main Supervisor: **Dr. Talal Al-Wahaibi**
Student Name: Nasser Al-Habsi, Ali Al-Mashaikhi, Khaled Al-Sibani, Mohammed Al-Shabibi
Status: Completed (2008)
- Project Title: 'Mud Plant Design'
Main Supervisor: **Dr. Talal Al-Wahaibi**
Student Name: Zainab Ibrahim, Buthaina Al-Riyamy, Eman Al-Lawati, Ghadeer Al-Lawati
Status: Completed (2008)
- Project Title: 'Production of Acrylic Acid'
Main Supervisor: **Dr. Talal Al-Wahaibi**
Student Name: Mustafa Al Busaidi, Mohammed Al Mahroqi, Zayid Habsi
Status: Completed (2011)
- Project Title: 'Design a chemical plant to produce electrical power and synthetic fuels starting from coal'
Main Supervisor: **Dr. Talal Al-Wahaibi**
Student Name: Zahra Al Lawati, Kathiya Al Alawi, Salima Al Maqbali, Shamsa Al Shukaili
Status: Completed (2012)
- Project Title: 'Production of Acrylic Acid'
Main Supervisor: **Dr. Talal Al-Wahaibi**
Student Name: Malik Al Malki, Adi Al Barwani, Alharith Al Baqlani
Status: Completed (2014)

- **Undergraduate Students Supervision (IASTE Student)**
 - Project Title: 'Effect of Drag Reducing Polymer on the Viscosity and Stability of Omani Heavy Crude Emulsion '
Main Supervisor: **Dr. Talal Al-Wahaibi**
Student Name: Radmila Glamo
Year: (2012)
 - Project Title: 'Effect of various parameters on the viscosity reduction for transportation of Omani heavy crude oil '
Main Supervisor: **Dr. Talal Al-Wahaibi**
Student Name: Aliaksei Kucharau
Year: (2013)
 - Project Title: 'Effect of Drag Reducing Polymer on the flow characteristics of oil-water flow in horizontal and inclined pipes'
Main Supervisor: **Dr. Talal Al-Wahaibi**
Student Name: Volker Schwerdtner
Year: (2014)
 - Project Title: 'Pressure drop measurements of oil-water flow in horizontal and inclined pipes'
Main Supervisor: **Dr. Talal Al-Wahaibi**
Student Name: Jamie McGee
Year: (2015)
- **MSc Students Supervision (9 Students)**
 - Project Title: 'Simulation of the Two-Phase Flow of Gas with Condensate in Oman to Estimate the Physical Parameters'
Main Supervisor: Dr. Gholamreza Vakili Nejad
Co-supervisor: Dr. Talal Al-Wahaibi
Student Name: Alla Al-Abri

Status: Completed
 - Project Title: 'Separation of oil from Water.'
Main Supervisor: Dr. Abdul Aziz Al-Hashmi
Co-supervisor: Dr. Talal Al-Wahaibi, Dr. Yahya Al-Wahaibi
Student Name: Safa Al-Baqlani
Status: Completed
 - Project Title: 'Enhancement of extractive deep desulfurization of liquid fuels using polymeric-based eutectic solvents and emulsification.'
Main Supervisor: Dr. Farouq Mjalli
Co-supervisor: Dr. Talal Al-Wahaibi, Dr. Abdul Aziz Al-Hashmi

Student Name: Walaa Sidahmed Rahma
Status: Completed

- Project Title: 'Desulfurization of Liquid Fuel by Deep Eutectic Solvent Using Small Channels.'
Main Supervisor: Dr. Talal Al-Wahaibi
Co-supervisor: Dr. Farouq Mjalli, Dr. Abdul Aziz Al-Hashmi
Student Name: Zainab Al-Aani
Status: Completed
- Project Title: 'Prediction of Pressure Drop in Dispersed Oil-Water Flow'
Main Supervisor: Dr. Talal Al-Wahaibi
Co-supervisor: Dr. Yahya Al-Wahaibi, Dr. Abdul Aziz Al-Hashmi
Student Name: Ebtisam Amer Al-Nassri
Status: Completed
- Project Title: 'UNIFIED MODEL FOR PREDICTING FLOW PATTERNS AND PRESSURE GRADIENT IN HORIZONTAL OIL-WATER FLOW'
Main Supervisor: **Dr. Talal Al-Wahaibi**
Co-supervisor: Dr. Yahya Al-Wahaibi
Student Name: Bader Al-Busaidi
Status: Completed
- Project Title: 'Prediction of Saturated Omani Crude Oil Viscosity'
Main Supervisor: **Dr. Talal Al-Wahaibi**
Co-supervisor: Dr. Yahya Al-Wahaibi, Dr. Farouq Mjalli, Dr. Abdul Aziz Al-Hashmi
Student Name: Mashaal Al-Rahbi
Status: Completed
- Project Title: 'Transportation of Omani Heavy Oil Using Stabilized Oil-in-Water Emulsions'
Main Supervisor: Dr. Abdul Aziz Al-Hashmi
Co-supervisor: **Dr. Talal Al-Wahaibi**, Dr. Yahya Al-Wahaibi, Dr. Farouq Mjalli
Student Name: Rabha Al-Omairi
Status: Completed
- Project Title: 'Prediction of Undersaturated Omani Crude Oil Viscosity'
Main Supervisor: Dr. Farouq Mjalli
Co-supervisor: Dr. **Talal Al-Wahaibi**, Dr. Yahya Al-Wahaibi, Dr. Abdul Aziz Al-Hashmi
Student Name: Majda Al-Balushi
Status: Completed

- **PhD Students Supervision (7 Students)**

- Project Title: 'Optimization of Selected Chemical Processes using Evolutionary Approach'
Main Supervisor: Dr. Ashish Gujrathi
Co-supervisors: **Dr. Talal Al-Wahaibi**, Dr. Gholamreza Vakili Nejad
Student Name: Zainab Al-Aani
Status: Completed

- Project Title: 'Deep desulfurization of Liquid Fuel by Deep Eutectic Solvents Using microchannels'
Main Supervisor: Dr. Farouq Mjalli
Co-supervisors: **Dr. Talal Al-Wahaibi**, Dr. Abdul Aziz Al-Hashmi
Student Name: Marwa Al-Azawi
Status: Completed

- Project Title: 'Effect of Drag Reducing Polymers in Horizontal Oil-Water Flow'
Main Supervisor: Dr. A.S. Olawale (Ahmadu Bello University, Nigeria)
Co-supervisors: **Dr. Talal Al-Wahaibi**, Dr. Yahya Al-Wahaibi, Dr. Adel Al-Ajmi, Dr. I.A. Mohammad-Dabo (Ahmadu Bello University, Nigeria)
Student Name: Nurudeen Yusuf
Status: Completed (2011)

- Project Title: 'Experimental Investigation on the Effect of DRP on Oil-Water Flow in Horizontal and Inclined Pipes'
Main Supervisor: **Dr. Talal Al-Wahaibi**
Co-supervisors: Dr. Yahya Al-Wahaibi, Dr. Adel Al-Ajmi, Dr. Abdul Aziz Al-Hashmi
Student Name: AbdelKareem Abubakar
Status: Completed (2016)

- Project Title: 'Mechanistic Study of DRP in Oil-Water Flow'
Main Supervisor: Dr. Abdul Aziz Al-Hashmi
Co-supervisors: **Dr. Talal Al-Wahaibi**, Dr. Yahya Al-Wahaibi, Dr. Adel Al-Ajmi
Student Name: Mohammed Eshrati
Status: Completed (2017)

- Project Title: 'Green Solvents for Desulfurization of diesel and Fuel Oils'
Main Supervisor: Dr. Farouq Mjalli
Co-supervisors: **Dr. Talal Al-Wahaibi**, Dr. Yahya Al-Wahaibi
Student Name: Zaharaddeen Sani Ganu
Status: Completed (2016)

- Project Title: 'Ionic Liquids-based Deep Oxidative Desulfurization of diesel'
Main Supervisor: Dr. Farouq Mjalli
Co-supervisors: **Dr. Talal Al-Wahaibi**, Dr. Yahya Al-Wahaibi
Student Name: Omar
Status: Completed (2016)

Curriculum Development and Teaching Management at SQU Course Instruction

- Extensive participation in curriculum development of the Chemical and Process Engineering program
- Extensive participation in curriculum development of the master program in Chemical and Process Engineering
- Active participation in the preparation of the ABET accreditation program during the last two cycles.
- Active participation in writing the Self Study Report (SSR) of the Chemical Engineering Program in the last ABET accreditation cycle.
- Active participation in developing integrated curriculums for the Chemical and Process Engineering BEng Degree
- Developed course descriptions, materials and notes of CHPE 6900 (special topic in two phase flow modeling).
- Prepared/edited/updated course descriptions, materials and notes of the following courses:
 - CHPE 3212 Chemical Process Industries
 - CHPE 3302 Fluid Flow
 - CHPE 4312 Chemical Engineering Lab I
 - CHPE 4712 Chemical Engineering Lab II
- Participated in developing and designing experiments for
 - CHPE 4312 Chemical Engineering Lab I
 - CHPE 4712 Chemical Engineering Lab II
- Prepared Lab Manual for Chemical Engineering Lab II
- Participate in the modification of the in-house training lab manual
- Prepared detailed guidelines on how to write a technical report for Chemical Engineering Lab I and Chemical Engineering Lab II.
- Prepared detailed guidelines for final year Project I and II.
- Developed rubrics as an assessment tool for Chemical Lab II
- Participated in developing rubrics as assessment tools for Project I and II.

Students Advising and Mentoring at SQU

- Student advisor for cohorts 2007 (58 students) and 2012 (42 students)
- Active interaction with all final year students when served as coordinator of final year projects (2010/2011 and 2011/2012)
- Active interaction with the Society of Chemical Engineering (SChemE) of SQU by supervising some of their projects.
- Active interaction with Petroleum and chemical engineering industrial training students when served as a training supervisor (2008)

Teaching Activities Outside the Classroom

- Coordinating and conducting student visits to local industries for courses and projects (visit to Al-Ghubrah power plant, Oman Polypropylene, Sohar Methanol, etc)
- Involving students as research assistants in funded research project

- Supervising projects from Society of Chemical Engineering (SChemE)
- Supervision of an IASTE student (2012, 2013, 2014)

6. SERVICES

6.1 A'Sharqiyah University

College Activities

- Dean, College of Engineering, (Oct. 2022 – Present).
- Chair, College Academic Board (Oct. 2022 – Present)
- Chair, College Assessment Review Committee (Oct. 2022 – Present)
- Chair, College Management Committee (Oct. 2022 - Present).
- Chair, program`s committee to develop a new program “BSc in Sustainable Systems Engineering”
- Member, program`s committee to develop a new program “BSc in Energy Engineering”.
- Organized the 1st International Conference on Energy and Sustainability (ICES2024), 22-23 April, 2024 A'Sharqiyah University, Ibra, Oman.
- Co-organized the 5th International Symposium on Green & Sustainable Technology 2024 (ISGST 2024), 14-15 October 2024, Kampar, Perak, Malaysia.
- Actively Participated in developing a proposal to establish technology and business park at North A'Sharqiyah Governorate.
- Developed a Proposal to establish a Research Center in Energy and Sustainability.
- Established Sub-College's Committees to support the activities within the colleges.

University Activities

- Acting DVCAAR, August 13th to August 19th, 2023.
- Member of the Dean's Council (Oct. 2022 – Present)
- Member of University Academic Board (Oct. 2022 – Present)
- Member of University Teaching and Learning Committee (Oct. 2022 – Present)
- Member of Industrial Advisory Board (Oct. 2022 – Present)
- Member of Accreditation and Standards Committee
- Member of University Ranking Committee (Oct. 2022 – Present)
- Member of Strategy Review and Execution Committee (Oct. 2022 – Present)
- Member, COAH Academic Promotions Committee, 2021/2022.
- Member, CAHS Academic Promotions Committee, 2021/2022.
- Chair, COBA Academic Promotions Committee, 2022/2023.
- Member, Institutional Internal Evaluation Committee (IIEC) of the Block Funding Program – Call 2022.
- Member, University Promotion Committee, 2023/2024.
- Representing the university at a meeting chaired by Her Excellency, the Minister of MoHERI, with officials from Global Systems Company.
- Represented the Vice Chancellor at the opening ceremony of the Middle East Space Conference 2024, Oman Convention Center, January 8, 2024.
- Represented the university during a visit with Her Excellency the Minister of MoHERI to the Youth Center on August 16, 2023.

- Represent the university at the launching ceremony of the Catalyst R&D (DCRTM) Pilot Plant, Sohar University: March 16, 2023.
- Actively participated in the preparation for Institutional Accreditation by the Oman Authority for Academic Accreditation and Quality Assurance of Education (OAAAQA).
- Developed the annual operational plan for the college (Oct. 2022 – Present).
- Participated in the development of Key Performance Indicators (KPIs) for the college's staff.

6.2 Industrial Innovation Center

- Acting CEO, (during CEO leave).
- Member, Industrial Committee, Oman Chamber of Commerce and Industry, (Jan 2019 – Dec 2021).
- Member, MEM-IIC Advisory Committee (Jan 2021– Dec 2021).
- Member, MEM-IIC Technical Committee (June 2019– Dec 2021).
- Member, MCT,IIC Technical Committee (Jan 2021– Dec 2021).
- Member, PDO- IIC Joint steering Committee, (Jan 2019 – Dec 2020).
- Participated in Tanfeedh Mining Lab (March-April, 2018)
- Obtained and managed a grant of around **4 millions Omani Rials** from Tanfeedh to develop mining sector in Oman through innovation.
- Lead IIC-PAM Committee to develop Mining Sector Innovation Strategy.
- Developed partnerships (writing proposals and agreements) in innovation with number of entities such as LNG, Sohar Free Zone, Sohar Aluminum, Oman Logistic Center, Sur Madain, etc.
- Organized series of workshops in (14th Feb., 7th of May., 23rd Oct. 2018) and (26th March., 12th of Nov. 2018) to present fisheries and marble innovation outcomes
- Organized workshop at PAM on Mining Sector Innovation Strategy to the relative mining sector stakeholders (16th of 2019).
- Obtained and developed tens of innovative investment opportunities in fisheries and mining sector
- Established new start-ups in fisheries and marble industries.
- Lead the negotiations and implement innovative solutions in number of fisheries and marble factories.
- Gave several presentations about the role of IIC in innovation to WIPO, Oman Chamber of Commerce and Industry, Sur Madain, Sohar Aluminum, Sohar Free Zone and others.

6.3 Sultan Qaboos University

Departmental Activities

- Organized 10th international conference on thermal and engineering application, 26-28 Feb, Sultan Qaboos University
- Participated in the Department Retreat Day “Preparations/achievements towards ABET accreditation” held on April 15, 2017
- Member, Department Strategic Committee (Sep 2015 – Feb 2018)
- Member, Department Promotion Committee (Sep 2015 – Aug 2016)

- Representing the department in the 9th Middle East Petrotech Exhibition, Manama, Bahrain, 2014.
- Acting Head, Department of Petroleum and Chemical Engineering (29th Jan. 2011 – 2nd Feb. 2011, 9th Jan. 2012 - 17th Jan. 2012 and Fall 2012).
- Chairman, Postgraduate Studies and Research Committee (Sep. 2010 – Aug. 2014)
- Member, Appointment Committee (Sep 2007 – Aug 2008, Sep 2010 – Aug 2015)
- Coordinator, MSc of Chemical and Process Engineering (Sep. 2010- Aug. 2014)
- Member, ABET Self Study Report Committee (2011 – Feb 2018)
- Coordinator, Final Year Project I and II (2009-2012)
- SQU Representative, Industrial Advisory Board of Petroleum and Chemical Engineering Department (2007 – 2009)
- Chairman, Trainee, Training Supervisor, Alumni and Employer surveys committee for ABET program accreditation (2007 – 2009).
- Department Representative, student-liaison committee (Sept 2009 - Aug2010)
- Coordinator, In-house Training (Sept. 2006 – Aug. 2007)
- Participated in the Department Retreat Day “Developing Integrated Curriculum for both Chemical and Petroleum Programs” held on Feb 22, 2009
- Member, Unit Operation focus group

College Activities

- Acting Assistant Dean for Postgraduate Studies and research, College of Engineering (14th– 21st Nov. 2013).
- Member, College Board (Sept. 2010 – Aug. 2011)
- Member, College Postgraduate Studies and Research Committee (Sep. 2010 – Feb 2018)
- Chairman, College Computer Committee (Sept. 2008-Aug. 2010)
- Member, College Staff/Student Liaison Committee (Sept. 2009 – Aug. 2010)
- Member, College Computer Committee (Sept. 2007-Sept. 2008)
- Member, College Strategic Planning and Development Committee (Sept. 2007-Sept. 2008)
- Participated in the College of Engineering Retreat Day “Towards A Successful Road Map For Postgraduate Programs & Research” held on March 25, 2010
- Took part in the College of Engineering Retreat Day held on 20th November 2008 to discuss and approve the 2008-2011 College implementation plan

University Activities

- Assistant Dean of Research, Deanship of Research, July 2014– Feb 2018.
- Acting Dean, Deanship of Research (during Dean Leave).
- Member of SQU Ranking Committee (2015- Feb 2018).
- Rapporteur of the Research Board (2015- Feb 2018).
- Member of SQU-UAEU Main Committee (2014 - Feb 2018).
- Member of SQU-UAEU Scientific Committee (2014- Feb 2018).
- Member of the SQU-BP grants steering committee (2017- Feb 2018).
- Member of the SQU-Omantel grants steering Committee (2017- Feb 2018).
- Member of the Evaluation Committee of:

- BP Fund
- Omantel Fund
- Deanship of Research Fund
- Member of the Executive Committee for the development of SQU land in Al-Musanah (2015- Feb 2018)
- Member of the Research Action Plan Committee of the SQU Five Year Strategic Plan (2016-2020)
- Member of a Committee to follow up the Research Centers SQU Five Year Strategic Plan (2016-2020) (2017- Feb 2018).
- Member of the Water Research Center Advisory Board (2017- Feb 2018).
- Member of SQU and National Research Foundation of the Republic of South Africa Joint Committee
- Research Board Sub-Committee for the Development of a Research Funding Policy
- Organized Workshop on “Introductory Seminar on Deanship of Research” by Deanship of Research, Muscat, Oman: 12 March 2015
- Organized Workshop on “Promoting Research and Innovation at SQU” by Deanship of Research, Muscat, Oman: 31 January 2017
- Organized Series of Seminars to different colleges on “Deanship of Research Services”: December 2017-January 2018.
- Representing DVCPSR in the 2017 Oman Energy Industry-Academia R&D Protocol - Ratification Seminar on Tuesday, Oct. 24th at Petroleum Development Oman’s Learning Center
- Representing Sultan Qaboos University in a meeting on Research at Al-Shuwra Council
- Representing Sultan Qaboos University in a Workshop on “Leadership Innovation” organized by the Research Council, Muscat, Oman: 1-3 February 2016 .
- Organized a Joint Researchers’ Workshop between SQU and the National Research Foundation of the Republic of South Africa, 24-25 February 2016
- Representing Sultan Qaboos University on 16th of September in a meeting to discuss establishing national technology development and transfer systems in select ESCWA member states.

Invited Lectures and Seminars (other than international conferences participation)

- December 2015: Research at SQU. Presentation given to the Military Technical College, Muscat, Oman in the Industry–Academia Day for Research, Innovation, and Development (RID).
- April 2014: Student Outcomes (SOs) – Course Level Assessment. Presentation given to College of Applied Science, Sohar, Oman.
- October 2012. ABET accreditation. Presentation given to College of Applied Science, Sohar, Oman.
- Feb 2011. PVT Measurements and Analysis. Presentation given to Petroleum Development Oman UCT and EOR Teams, Muscat, Oman
- November 2009. PVT Measurements and Analysis. Presentation given to Ministry of Oil and Gas representatives, and Petroleum Development Oman UCT and EOR Teams, Muscat, Oman

- Feb 2008. Two-phase liquid flow research. Presentation given to Petroleum Development Oman, Muscat, Oman
- May 2008. PVT Measurements and Analysis. Presentation given to Ministry of Oil and Gas representatives, and Petroleum Development Oman UCT and EOR Teams, Muscat, Oman
- May 2008. pH-Sensitive Polymers for Improving Reservoir Sweep and Conformance Control Applications. Presentation given to Ministry of Oil and Gas representatives, and Petroleum Development Oman UCT and EOR Teams, Muscat, Oman

6.4 PROFESSIONAL SERVICE

- Senior Member, American Institute of Chemical Engineering (AIChE), 2013 to 2018 and 2022 to Present.
- Member, Institute for Sustainability (IFS), 2024-Present.
- Chair of the Organizing Committee of the International Conference on Energy and Sustainability 2024 (ICES2024), A'Sharqiyah University, Ibra, Oman: 22nd to 23rd of April 2024.
- Steering Committee Member, International Conference on Energy and Sustainability (ICES2024), A'Sharqiyah University, Ibra, Oman: April 22-23, 2024.
- Scientific Committee Member, International Conference on Energy and Sustainability (ICES2024), A'Sharqiyah University, Ibra, Oman: April 22-23, 2024.
- Member, Technical Committee, Green Hydrogen Summit Oman (GHSO), Oman Convention Center, Muscat, Oman: December 5-7, 2022.
- Technical Committee Member in the 3rd Middle East Process Engineering Conference & Exhibition 2015 (MEPEC 2015), Bahrain International Exhibition Center, Kingdom of Bahrain: 15th to 17th of September 2015.
- Technical Committee Member in the 2nd Middle East Process Engineering Conference & Exhibition 2013 (MEPEC 2013), Bahrain International Exhibition Center, Kingdom of Bahrain: 28th of September to 2nd of October 2013.
- Reviewer for the Journal of Petroleum Science and Technology, International Journal of Multiphase Flow, Journal of Petroleum Science and Engineering, IChemE, The Journal of Engineering Research (TJER), Journal of Fluid Engineering (ASME), Journal of Transport in Porous Media, Journal of Energy Sources-Part A, International Journal of Chemical Reactor Engineering, Microfluidics and Nanofluidics, etc.
- Reviewer of Research Proposals for King Abdulaziz City of Science and Technology (KACST)

6.5 Service to the Public

- Conducted visit to College of Applied Science (Sohar) to review and evaluate their chemical engineering program (Fall2012, Spring 2013, Fall 2013, Spring 2014).
- Reviewed for Ministry of ManPower a proposal of Chemical and Petrochemical Engineering Program which will be offered in Salalah College of Technology (2009-2010).
- Conducted visit to Salalah College of technology to review and evaluate their current chemical engineering labs (Aug 2010)

- Participated by several posters in the university open day May in years (May 2007 - May 2010, May 2014).
- Supervised training students coming from Other Universities in Oman.

7. SCHOLARLY ACHIEVEMENTS

7.1 Research Interests

- Multiphase flow and mixing in pipelines with emphasis on
 - a. Flow visualization, measurements and modeling of flow patterns transition, pressure drop, hold-up and drop size distribution
 - b. Influence of additives on multiphase system
- Application of green solvents (DES and IL) in Separation
- Multiphase flow in microchannel

7.2 Published Refereed Journal Papers

1. Said Al-Saidi, Farouq S Mjalli, Marwah Al-Azzawi, **Talal Al-Wahaibi** Belal Abutarboosh, 2024. Aqueous Two-Phase Extraction of Amoxicillin Using Miniaturization Technology. Korean Journal of Chemical Engineering 41 (5), 1399-1413.
2. Said Al-Saidi, Farouq S Mjalli, Marwah Al-Azzawi, Belal Abutarboosh, Mohammed A AlSaadi, **Talal Al-Wahaibi**, 2023. Amoxicillin removal from medical wastewater using an eco-friendly aqueous two-phase extraction system. Separation Science and Technology, 58 (1), 61-74.
3. Motasem YD Alazaiza, Ahmed Albahnasawi, Zulfiqar Ahmad, Mohammed JK Bashir, **Talal Al-Wahaibi**, Mohammed Shadi S Abujazar, Salem S Abu Amr, Dia Eddin Nassan, 2022. Potential use of algae for the bioremediation of different types of wastewater and contaminants: Production of bioproducts and biofuel for green circular economy. Journal of Environmental Management 324, 116415.
4. M Eshrati, **T Al-Wahaibi**, AR Al-Hashmi, Y Al-Wahaibi, A Al-Ajmi, A Abubakar, 2022. Significance of polymer elasticity on drag reduction performance in dispersed oil-in-water pipe flow. Chemical Engineering Research and Design 182, 571-579.
5. Z Al Ani, AM Gujarathi, GR Vakili-Nezhaad, **T Al Wahaibi**, 2021. Evolutionary multi-criteria optimization aspects for sulfuric acid plant toward more economic, environmentally friendly and efficient process. Chemical Papers 7, 3649-3666.
6. M Al-Azzawi, FS Mjalli, **T Al-Wahaibi**, A Al-Hashmi, B Abu-Jdayil, 2021. Flow patterns analysis of conventional versus eutectic liquid solvent in different circular small channel diameters. Chemical Papers 7, 753-762.

7. M Al-Azzawi, A Husain, FS Mjalli, **T Al-Wahaibi**, A Al-Hashmi, B Abu-Jdayil, 2020. Hydrodynamic Investigation on Deep Desulfurization of Liquid Fuel at the Microscale. *Chemical Engineering & Technology* 43 (10), 1951-1958.
8. M Al-Azzawi, FS Mjalli, A Al-Hashmi, **T Al-Wahaibi**, B Abu-jdayil, 2019. Optimal liquid fuel extractive desulfurization in micro and mini-channels. *Chemical Engineering and Processing-Process Intensification* 140, 43-51.
9. A. Abubakar, Y Al-Wahaibi, **T Al-Wahaibi**, AR Al-Hashmi, A Al-Ajmi, 2018. Effect of pipe diameter on horizontal oil-water flow before and after addition of drag-reducing polymer part II: Holdup and slip ratio. *Journal of Petroleum Science and Engineering* 162, 143-149.
10. ZS Gano, FS Mjalli, **T Al-Wahaibi**, Y Al-Wahaibi, IM AlNashef, 2018. Desulfurization of liquid fuel via extraction with imidazole-containing deep eutectic solvent. *Green Processing and Synthesis* 6 (5), 511-521.
11. AR Al-Hashmi, **TK Al-Wahaibi**, YM Al-Wahaibi, F Mjalli, R Al-Omairi, 2017. Transportation of heavy oils using polymer-stabilized oil-in-water emulsions. *Journal of Petroleum Exploration and Production Technology* 7 (3), 881-890.
12. A. Abubakar, Y Al-Wahaibi, **T Al-Wahaibi**, AR Al-Hashmi, A Al-Ajmi, 2017. Effect of pipe diameter on horizontal oil-water flow before and after addition of drag-reducing polymer part I: Flow patterns and pressure gradients. *Journal of Petroleum Science and Engineering* 153, 12-22.
13. Abubakar, A., **Al-Wahaibi, T.**, Al-Hashmi, A. R., Al-Wahaibi, Y., Al-Ajmi, A., 2017. Effect of pipe inclination on holdups/velocity ratios of oil-water flow without and with addition of drag-reducing polymer. *International Journal of Multiphase Flow* 89, 359-374.
14. **Al-Wahaibi, T.**, Abubakar, A., Al-Hashmi, A. R., Al-Wahaibi, Y., Al-Ajmi, A., 2017. Energy analysis of oil-water flow with drag-reducing polymer in different pipe inclinations and diameters. *Journal of Petroleum Science and Engineering* 149, 315-321.
15. Eshrati, M., Al-Hashmi, A.R., **Al-Wahaibi, T.**, Al-Wahaibi, Y., Al-Ajmi, A., Abubakar, A. 2017. Experimental study of drag reduction of polymer-polymer mixtures in horizontal dispersed oil-water flow. *Experimental Thermal and Fluid Science* 83, 169-176.
16. Al Ani, Z., **Al Wahaibi, T.**, Mjalli, F. S., Al Hashmi, A., Abujdayil, B., 2017. Flow of Deep Eutectic Solvent-Simulated Fuel in Circular Channels: Part II-Extraction of Dibenzothiophenec. *Chemical Engineering Research and Design*, In press.
17. Al Ani, Z., **Al Wahaibi, T.**, Mjalli, F. S., Al Hashmi, A., Abujdayil, B., 2017. Flow of deep eutectic solvent-simulated fuel in circular channel: Part I—flow patterns and pressure drop. *Chemical Engineering Research and Design*, In press.

18. Abubakar, A., **Al-Wahaibi, T.**, Al-Hashmi, A. R., Al-Wahaibi, Y., Al-Ajmi, A., Eshrati, M. 2016. Empirical correlation for predicting pressure gradients of oil-water flow with drag-reducing polymer. *Experimental Thermal and Fluid Science*, 50, pp. 275-282.
19. Ahmed, O.U., Mjalli, F.S., Hadj-Kali, M.K., **Al-Wahaibi, T.**, Al-Wahaibi, Y. 2016. Measurements and prediction of ternary liquid-liquid equilibria for mixtures of IL + sulfur compound + hexadecane. *Fluid Phase Equilibria*, 421, pp. 16-23.
20. Ahmed, O.U., Mjalli, F.S., **Al-Wahaibi, T.**, Al-Wahaibi, Y., AlNashef, I.M. 2016. Efficient non-catalytic oxidative and extractive desulfurization of liquid fuels using ionic liquids. *RSC Advances* 6 (105), 103606-103617.
21. Abubakar, A., Al-Wahaibi, Y., **Al-Wahaibi, T.**, Al-Hashmi, A. R., Al-Ajmi, A., Eshrati, M. 2016. Effect of Water-Soluble Drag-Reducing Polymer on Flow Patterns and Pressure Gradients of Oil/Water Flow in Horizontal and Upward-Inclined Pipes. Accepted for publication in *SPE Journal*.
22. Abubakar, A., Al-Wahaibi, Y., **Al-Wahaibi, T.**, Al-Hashmi, A. R., Al-Ajmi, A., Eshrati, M. 2016. Effect of low interfacial tension on flow patterns, pressure gradients and holdups of medium-viscosity oil/water flow in horizontal pipe. *Experimental Thermal and Fluid Science*, 68, pp. 58-67.
23. Eshrati, M., Al-Hashmi, A.R., **Al-Wahaibi, T.**, Al-Wahaibi, Y., Al-Ajmi, A., Abubakar, A. 2015. Drag reduction using high molecular weight polyacrylamides during multiphase flow of oil and water: A parametric study. *Journal of Petroleum Science and Engineering*, 135, pp. 403-409.
24. Abubakar, A., Al-Wahaibi, Y., **Al-Wahaibi, T.**, Al-Hashmi, A., Al-Ajmi, A., Eshrati, M. 2015. Effect of low interfacial tension on flow patterns, pressure gradients and holdups of medium-viscosity oil/water flow in horizontal pipe. *Experimental Thermal and Fluid Science*. 68, pp. 58-67.
25. Ahmed, O.U., Mjalli, F.S., Gujarathi, A.M., **Al-Wahaibi, T.**, Al-Wahaibi, Y., AlNashef, I.M. 2015. Feasibility of phosphonium-based ionic liquids as solvents for extractive desulfurization of liquid fuels. *Fluid Phase Equilibria*. 401, pp. 102-109.
26. Ahmed, O.U., Mjalli, F.S., **Al-Wahaibi, T.**, Al-Wahaibi, Y., AlNashef, I.M. 2015. Optimum Performance of Extractive Desulfurization of Liquid Fuels Using Phosphonium and Pyrrolidinium-Based Ionic Liquids. *Industrial and Engineering Chemistry Research*. 54 (25), pp. 6540-6550.
27. Gano, Z.S., Mjalli, F.S., **Al-Wahaibi, T.**, Al-Wahaibi, Y., AlNashef, I.M. 2015. Extractive desulfurization of liquid fuel with FeCl₃-based deep eutectic solvents: Experimental design and optimization by central-composite design. *Chemical Engineering and Processing: Process Intensification*. 93, pp. 10-20.

28. Abubakar, A., **Al-Wahaibi, T.**, Al-Hashmi, A.R., Al-Wahaibi, Y., Al-Ajmi, A., Eshrati, M. 2015. Influence of drag-reducing polymer on flow patterns, drag reduction and slip velocity ratio of oil-water flow in horizontal pipe. *International Journal of Multiphase Flow*. 73, pp. 1-10.
29. **Al-Wahaibi, T.**, Angeli, P. 2015. A Semi-Empirical Model for Predicting the Onset of Drop Formation in Stratified Horizontal Oil-Water Flow. *Chemical Engineering Communications*. 202(4), pp. 415-419.
30. Mjalli, F.S., **Al-Wahaibi, T.**, Al-Hashmi, A.A. 2015. Effect of nano-particles on the rheological properties of Reline. *Journal of Molecular Liquids*. 206, pp. 256-261.
31. Ahmadzadeh, P.H., Masihi, M., Al-Ajmi, A., **Al-Wahaibi, T.**, Al-Wahaibi, Y. 2015. Experimental study of the effects of IFT and hysteresis on resistivity and capillary pressure of carbonate rocks. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*. 37(12), pp. 1346-1353.
32. Ahmed, O.U., Mjalli, F.S., **Al-Wahaibi, T.**, Al-Wahaibi, Y., Alnashef, I.M. 2015. Stability of superoxide ion in phosphonium-based ionic liquids. *Industrial and Engineering Chemistry Research*. 54(7), pp., 2074-2080.
33. **Al-Wahaibi, T.**, Al-Wahaibi, Y., Al-Hashmi, A.-A.R., Mjalli, F.S., Al-Hatmi, S. 2015. Experimental investigation of the effects of various parameters on viscosity reduction of heavy crude by oil-water emulsion. *Petroleum Science*. 12(1), pp. 170-176.
34. Abubakar, A., Al-Hashmi, A.R., **Al-Wahaibi, T.**, Al-Wahaibi, Y., Al-Ajmi, A., Eshrati, M. 2015. Performance of a drag-reducing polymer in horizontal and downward-inclined oil-water flow. *Chemical Engineering Research and Design*. 104, pp. 237-246.
35. **Al-Wahaibi, T.**, Al-Wahaibi, Y., Al-Ajmi, A., Al-Hajri, R., Yusuf, N., Olawale, A.S., Mohammed, I.A. 2015. Experimental investigation on flow patterns and pressure gradient through two pipe diameters in horizontal oil-water flows. *Journal of Petroleum Science and Engineering*. 122, pp. 266-273.
36. **Al-Wahaibi, T.**, Al-Wahaibi, Y., Al-Ajmi, A., Al-Hajri, R., Yusuf, N., Olawale, A., Mohammed, A. 2014. Experimental Investigation on Flow Patterns and Pressure Gradient Through Two Pipe Diameters in Horizontal Oil-Water Flows. *J of Pet. Sci. Eng*. 122, 266-273.
37. Abubakar, A., **Al-Wahaibi, T.**, Al-Wahaibi, Y., Al-Hashmi, A., Al-Ajmi, A., 2014. Roles of Drag Reducing Polymers in Single- and Multi-phase Flows. *Chemical Engineering Research and Design*, 92 (11), 2153-2181.

38. Abubakar, A., Al-Hashmi, A., **Al-Wahaibi, T.**, Al-Wahaibi, Y., Al-Ajmi, A., Eshrati, 2014. Parameters of Drag Reducing Polymers and Drag Reduction Performance in Single-Phase Water Flow. *Advances in Mechanical Engineering*. Article ID 202073, 8 pages.
39. Mjalli, F.S., Ahmed, O.U., **Al-Wahaibi, T.**, Al-Wahaibi, Y., Alnashef, I.M., 2014. Deep oxidative desulfurization of liquid fuels. *Reviews in Chemical Engineering*, 30 (4), 337-378.
40. Gano, Z.S., Mjalli, F.S., **Al-Wahaibi, T.**, Al-Wahaibi, Y., Alnashef, I.M., 2014. Solubility of thiophene and dibenzothiophene in anhydrous FeCl₃- and ZnCl₂-based deep eutectic solvents. *Industrial and Engineering Chemistry Research*, 53 (16), 6815-6823.
41. Al-Balushi, M., Mjalli, F.S., **Al-Wahaibi, T.**, Al-Wahaibi, Y., Al-Hashmi, A.A., 2014. Parametric study to develop an empirical correlation for undersaturated crude oil viscosity based on the minimum measured input parameters. *Fuel*, 119, 111-119.
42. **Al-Wahaibi, T.**, Mjalli, F., Al-Hashmi, A., 2014. Viscosity correlations for light Omani crude using artificial neural networks". *International Journal of Petroleum Engineering*, 1 (1), 92-110.
43. **Al-Wahaibi, T.**, Mjalli, F. "Prediction of Horizontal Oil-Water Flow Pressure Gradient Using Artificial Intelligence Techniques. *Chemical Engineering Communications*, 201 (2), 209-224.
44. Hayyan, A., Mjalli, F., Ali Hashim, M., Hayyan, M., AlNashef, I., **Al-Wahaibi, T.**, Al-Wahaibi, Y., 2014. A Solid Organic Acid Catalyst for the Pre-treatment of Low Grade Crude Palm Oil and Biodiesel Production. *International Journal of Green Energy*, 11 (2), 129-140.
45. **Al-Wahaibi, T.**, Al-Wahaibi, Y., Al-Ajmi, A., Yusuf, N., Al-Hashmi, A.R., Olawale, A.S., Mohammed, I.A, 2013. Experimental investigation on the performance of drag reducing polymers through two pipe diameters in horizontal oil-water flows. *Exp. Therm. Fluid Sci.*, 50, 139-146.
46. Al-Hashmi, A.R., Luckham, P.F., Heng, J.Y.Y., Al-Maamari, R.S., Zaitoun, A., Al-Sharji, H.H., **Al-Wehaibi, T.K.**, 2013. Adsorption of high-molecular-weight EOR polymers on glass surfaces using AFM and QCM-D. *Energy and Fuels*, 27 (5), 2437-2444.
47. **Al-Wahaibi, T.**, Mjalli, F., Al-Hashmi, A., 2013. An evaluation of the performance of derived empirical correlations for predicting the oil viscosity of light Omani crude. *Petroleum and Coal*, 55 (3), 234-240.

48. Jibril, B.Y., Atta, A.Y., Al-Waheibi, Y.M., **Al-Waheibi, T.K.**, 2013. Effect of copper loadings on product selectivities in microwave-enhanced degradation of phenol on alumina-supported copper oxides. *Journal of Industrial and Engineering Chemistry*, 19 (6), 1800-1804.
49. Hayyan, A., Mjalli, F.S., Alnashef, I.M., Al-Wahaibi, Y.M., **Al-Wahaibi, T.**, Hashim, M.A., 2013. Glucose-based deep eutectic solvents: Physical properties. *Journal of Molecular Liquids*, 178 137-141.
50. **Al-Wahaibi, T.**, Al-Wahaibi, Y., Abdel-Goad, M., 2012. Geochemical characterization of omani sandstone cores-analysis of change in ph and rock mineral constituents concentrations. *Petroleum and Coal* 54 (3), 260-270.
51. **Al-Wahaibi, T.**, 2012. Pressure gradient correlation for oil–water separated flow in horizontal pipes. *Exp. Therm. Fluid Sci.*, 42, 196-203.
52. Yusuf, N., Al-Wahaibi, Y., **Al-Wahaibi, T.**, Al-Ajmi, A., Olawale, A.S., Mohammed, I.A., 2012. Effect of oil viscosity on the flow structure and pressure gradient in horizontal oil–water flow. *Chemical Engineering Research and Design*, 90, 1019-1030.
53. Yusuf, N., **Al-Wahaibi, T.**, Al-Wahaibi, Y., Al-Ajmi, A., Al-Hashmi, A.R., Olawale, A.S., Mohammed, I.A., 2012. Experimental study on the effect of drag reducing polymer on flow patterns and drag reduction in a horizontal oil–water flow. *International Journal of Heat and Fluid Flow*, 37, 74-80.
54. Ahmadzadeh, P., Masihi, M., Al-Ajmi, A., **Al-Wahaibi, T.**, Al-Wahaibi, Y. 'Experimental study of the effects of IFT and hysteresis on resistivity and capillary pressure of Carbonate rocks', Manuscript ID: UESO-2011-0064, Accepted for publication in *Journal of Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 25-Feb-2011.
55. Abdel-Goad, M., Al-Wahaibi, Y., **Al-Wahaibi, T.**, Al-Shurji, H., 2012. Use of a Novel pH-Triggered Polymer-Gel System for Optimal Mobility Control Applications. *E-polymers*, no. 036, 2012.
56. Atta, A.Y., Jibril, B.Y., **Al-Wahaibi, T.K.**, Al-Wahaibi., Y.M., 2012. Microwave-enhanced catalytic degradation of 2-nitrophenol on alumina-supported copper oxides. *Catalysis Communications*, 26, 112–116.
57. Hayyan, A., Mjalli, F., AlNashef, I., **Al-Wahaibi, T.**, Al-Wahaibi, Y., Ali Hashim, M., 2012. Fruit Sugar-based Deep Eutectic Solvents and their Physical Properties. *Thermochimica Acta Journal*, 541, 70 – 75.

58. **Al-Wahaibi, T.**, Yusuf, N., Al-Wahaibi, Y., Al-Ajmi, A., 2012. Experimental study on the transition between stratified and non-stratified horizontal oil-water flow. *Int. J. Multiphase flow*, 38, 126-135.
59. Masihi, M., Sobhani, M., Al-Ajmi, A., Al-Wahaibi, Y., **Al-Wahaibi, T.**, 2012. A physically based three dimensional fracture network modeling technique. *Scientia Iranica*, 19, 594-604.
60. Al-Wahaibi, Y., **Al-Wahaibi, T.**, Abdel-Goad, M. 'Characterization of pH-sensitive Polymer Microgel Transport in Porous Media for Improving Oil Recovery', *Journal of Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, Volume 33, Issue 11, March 2011, pp 1048-1057.
61. **Al-Wahaibi, T.**, Angeli, P., 2011. Experimental study on interfacial waves in stratified horizontal oil-water flow. *Int. J. Multiphase flow*. 37, 930-940.
62. **Al-Wahaibi, T.**, Angeli, P., 2009. Predictive Model of the Entrained Fraction in Horizontal Oil-Water Flows. *Chem. Eng. Sci.* (64) 2817-2825.
63. **Al-Wahaibi, T.**, Angeli, P., 2009. Onset of entrainment and degree of dispersion in dual continuous horizontal oil-water flows. *Exp. Therm. Fluid Sci.*, 33, 774-781.
64. **Al-Wahaibi, T.**, Angeli, P., 2008. Droplet Size and Velocity in Dual Continuous Horizontal Oil-Water Flows. *ICHEME, Part A*, 86, 83-93.
65. **Al-Wahaibi, T.**, Smith, M., Angeli, P., 2007. Transition between Stratified and Non-stratified Horizontal Oil-Water Flows: Part II (Mechanism of Drop Formation). *Chem Eng. Sci.* 62 (11), 2929-2940.
66. **Al-Wahaibi, T.**, Angeli, P., 2007. Transition between Stratified and Non-stratified Horizontal Oil-Water Flows: Part I (Stability Analysis). *Chem Eng. Sci.* 62 (11), 2915-2928.
67. **Al-Wahaibi, T.**, Smith, M., Angeli, P., 2007. Effect of drag reducing polymers on horizontal oil-water flows. *J of Pet. Sci. Eng.* 57, 334-346.
68. Lum, J. Y-L., **Al-Wahaibi, T.**, Angeli, P., 2006. Upward and downward inclination oil-water flows. *Int. J. Multiphase flow*. 32, 413-435.
69. Boukadi, F.H., Al-Bemani, A.S., & **Al-Wahaibi, T.K.**, 2000. "Selective Completion for Horizontal Wells Drilled in a Fractured Omani Reservoir", *Petroleum Science and Technology*, 18, 103-119.

7.3 Conference and Conference Proceedings

1. **Talal Al Wahaibi**, Mohammed Javeed, Farouk Mjalli. Unlocking the Sustainability Potential of Sarooj in Construction: Developing a Power Law Correlation to Predict

the Suitability of Sarooj for Construction. International Conference on Energy and Sustainability, A'Sharqiyah University, Ibra, Oman, 22-23 April, 2024.

2. Abdulkareem Abubakar, Mohammad Eshrati, **Talal Al-Wahaibi**, Yahya Al-Wahaibi, Abdul Aziz Al-Hashmi, Adel Al-Ajmi. Drag-Reducing Polymers as Energy-Saving Agents in Horizontal Two-Phase Oil-Water Dispersed Flow. International Conference on Energy and Sustainability, A'Sharqiyah University, Ibra, Oman, 22-23 April, 2024.
3. Z Al Ani, AM Gujarathi, GR Vakili-Nezhaad, **T Al Wahaibi** (2018). Multi-objective Optimization of Industrial Processes. International Conference on Engineering Optimization, 285-295.
4. Abubakar, A., **Al-Wahaibi, T.**, Al-Hashmi, A. R., Al-Wahaibi, Y., Al-Ajmi, A., Eshrati, M. (2015). Influence of Drag-Reducing Polymer on Holdup/Slip Ratio of Oil-Water Flow in Horizontal and Inclined Pipes. 13th International Symposium on Fluid Control, Measurement and Visualization, Doha, Qatar, 15th – 18th November, 2015.
5. Abubakar, A., **Al-Wahaibi, T.**, Al-Hashmi, A. R., Al-Wahaibi, Y., Al-Ajmi, A., Eshrati, M. (2015). Drag Reduction with Polymer in Oil-Water Flow in Relatively Large Pipe Diameter. International Symposium on Engineering Mechanics and Applied Sciences, Bangkok, Thailand, 11th – 12th September, 2015.
6. Abubakar, A., **Al-Wahaibi, T.**, Al-Hashmi, A. R., Al-Wahaibi, Y., Al-Ajmi, A., Eshrati, M. (2015). Effect of Drag-Reducing Polymer on Pressure Gradients of Dispersed Oil-Water Flow in Horizontal and Inclined Pipes. 17th International Conference on Multiphase Technology, NOVOTEL Montfleury, Cannes, France, 10th – 12th June, 2015.
7. Abubakar, A., **Al-Wahaibi, T.**, Al-Hashmi, A. R., Al-Wahaibi, Y., Al-Ajmi, A., Eshrati, M. (2015). Performance of Drag-reducing Polymer in Oil-Water Flow in a Downward-Inclined Pipe. 8th International Conference on Thermal Engineering: Theory and Application, Amman, Jordan, 18th – 21st May, 2015.
8. **Al-Wahaibi, T.**, Al-Wahaibi, Y., Mjalli, F. S., Al-Busaidi, B. 'Modelling of oil-water flow patterns and pressure gradient in horizontal pipes', Presented at the 11th International Conference on Hydrodynamics (ICHD 2014), Singapore, October 19 – 24, 2014..
9. **Al-Wahaibi, T.**, Al-Wahaibi, Y., Al-Hashmi., A., Mjalli, F. S., Al-Hatmi, S. 'Effects of nano-particles on viscosity behavior of heavy crude by oil-water emulsion', Presented at the 9th International Materials Technology Conference and Exhibition (IMTCE-2014), Malaysia, July 13-16, 2014.
10. Al-Omairi, R., Al-Hashmi., A., **Al-Wahaibi, T.**, Al-Wahaibi, Y., Mjalli, F. S. 'Use of Back-Produced Polymer Solutions from Polymer EOR to Decrease the Viscosity of

Heavy Crude Oils by Emulsification', Presented at the 9th International Materials Technology Conference and Exhibition (IMTCE-2014), Malaysia, July 13-16, 2014.

11. Gano, Z.S., Mjalli, F.S., **Al-Wahaibi, T.**, Al-Wahaibi, Y., Alnashef, I.M. 'Ionic Solvents for the Deep Desulfurization of Liquid Fuels', Presented at the 9th International Materials Technology Conference and Exhibition (IMTCE-2014), Malaysia, July 13-16, 2014.
12. **Al-Wahaibi, T.**, Al-Wahaibi, Y., Al-Ajmi, A., Al-Hashmi. 'Effect of Polymer Molecular Weight on the Performance of Drag Reducing Polymer on Oil-Water Flow in Pipelines', Presented at the 2nd International Renewable Energy and Environment Conference (IREEC-2013), Malaysia, July 04-07, 2013.
13. Al-Balushi, M., Mjalli, F. S., Al-Wahaibi, Y., **Al-Wahaibi, T.**, Al-Hashmi., A., 'Undersaturated Oil Viscosity Correlation for Omani Crude Oils', Presented at the 2nd International Renewable Energy and Environment Conference (IREEC-2013), Malaysia, July 04-07, 2013.
14. Al-Busaidi, M., **Al-Wahaibi, T.**, Al-Wahaibi, Y., Mjalli, F. S., 'An evaluation of the performance of existing oil-water flow models for predicting pressure gradient in horizontal pipeline', Presented at the International Conference on Mechanics and Fluid Engineering (ICMFE2013), Bangkok, June 29-30, 2013.
15. **Al-Wahaibi, T.**, Al-Wahaibi, Y., Al-Ajmi, A. 'Pressure Gradient in Horizontal Oil-Water Flow', Presented at the 3rd International Conference on Production, Energy and Reliability (ICPER 2012), Malaysia, June 11-14, 2012.
16. Mjalli, F., Hayyan, A., Ali Hashim, M., **Al-Wahaibi, T.**, Al-Wahaibi, Y., Hayyan, M. 'Feasibility of Using Low Grade Crude Palm Oil for Biodiesel production. Presented at the 2nd International Conference on Process Engineering and Advanced Materials (ICPEAM 2012), Malaysia, June 11-14, 2012.
17. Hayyan, A., Mjalli, F., Hayyan, M., Mirghani, M., Ali Hashim, M., Al-Wahaibi, Y., **Al-Wahaibi, T.** 'Methanesulfonic Acid as a Catalyst for Treatment of Crude Palm with High Free Fatty Acid. Presented at the 2nd International Conference on Process Engineering and Advanced Materials (ICPEAM 2012), Malaysia, June 11-14, 2012.
18. Hayyan, A., Mjalli, F., Ali Hashim, M., Hayyan, M., **Al-Wahaibi, T.**, Al-Wahaibi, Y., AlNashef, I. 'Esterification of Acidic Crude Using Ethanesulfonic Acid'. Presented at the International Conference on Global Sustainability and Chemical Engineering, Shah Alam, Malaysia, 2012.
19. Ali Hashim, M., Hayyan, A., Mjalli, F., Al-Wahaibi, Y., **Al-Wahaibi, T.**, Hayyan, M., AlNashef, I. 'Biodiesel Production from Acidic crude Palm Oil using Two-Step Processes'. Presented at the 5th International Conference in Energy Developemnt Research, Kuwait, April 2012.

20. Yusuf, N., **Al-Wahaibi, T.**, Al-Wahaibi, Y., Al-Ajmi, A., Al-Hashmi, A., Olawale, A.S., Mohammed, I. A. 'Comparison on the Efficiency of Two Drag Reducing Polymers in Horizontal Oil-Water Flow', Presented at International Symposium on Multiphase flow and Transport Phenomena, Agadir, Morocco, April 22-25, 2012.
21. Yousuf, N., **Al-Wahaibi, T.**, Al-Wahaibi, Y., Al-Ajmi, A., Al-Hashmi, A., Olawale, A., Mohammed, I. 'Effect of Pipe Diameter on the Efficiency of Drag Reducing Polymer in Horizontal Oil-Water Flows', Presented at the 15th International Conference on Multiphase Production Technology, Cannes, France, 15 – 17 June, 2011.
22. Yousuf, N., **Al-Wahaibi, T.**, Al-Wahaibi, Y., Al-Ajmi, A. 'Flow structures and transition between stratified and non-stratified horizontal oil-water flow', Presented at the International Conference on Multiphase Flow 2010 (ICMF-2010), Tampa, Florida, USA, May 30 - June 4, 2010.
23. Yousuf, N., Al-Wahaibi, Y., **Al-Wahaibi, T.**, Al-Ajmi, A., Olawale, A.S., Mohammed, I. A., 2010. Investigation into Flow between Oil and Water in Horizontal Pipe. Proc. 1st International Conference on Chemical and Environmental Engineering. Kuala Lumpur, Malaysia: 26-28 Nov. 2010.
24. **Al-Wahaibi, T.**, Angeli, P., Effect of Inlet Geometry in Horizontal Oil-Water Flows. Proc. 5th International Symposium on Earth Science and Technology. Fukuoka, Japan, 3-4 Dec. 2007.
25. **Al-Wahaibi, T.**, Angeli, P. Experimental Studies on Flow Pattern Transitions in Horizontal. Proc. International Conference on Multiphase Flow ICMF. Leipzig, Germany, 09-13 July 2007.
26. Ngan, K.H., Linnenberg, S., **Al-Wahaibi, T.**, Angeli, P. Effect of Drag Reducing Polymers on Oil-Water Flows. Proc. International Conference on Multiphase Flow ICMF. Leipzig, Germany, 09-13 July 2007.
27. **Al-Wahaibi, T.**, Angeli, P. Predictive model for critical wave amplitude at the onset of entrainment in oil-water flow. Proc. Int. Symp. On Multiphase Production Technology. Barcelona, Spain, 25 - 27 May 2005.

7.4 Book Chapter

1. Z Al Ani, AM Gujarathi, GR Vakili-Nezhaad, C Triki, T Al Wahaibi, 2020. Simultaneous Multicriteria-Based Optimization Trends in Industrial Cases. Materials Physics and Chemistry, 175-189.

7.5 Technical Reports

1. **Al-Wahaibi Talal**, Al-Wahaibi Yahya, Abdul Aziz Al-Hashmi, Al-Ajmi Adel, "A novel use of drag reducing polymers as flow pattern modifiers in Oil/Water Flow", Approved Final Report, The Research Council, June 2016.

2. **Al-Wahaibi Talal**, Al-Wahaibi Yahya, Abdul Aziz Al-Hashmi, Al-Ajmi Adel, "A novel use of drag reducing polymers as flow pattern modifiers in Oil/Water Flow ", Approved 3rd Report, The Research Council, December 2014.
3. **Al-Wahaibi Talal**, Al-Wahaibi Yahya, Abdul Aziz Al-Hashmi, Al-Ajmi Adel, "A novel use of drag reducing polymers as flow pattern modifiers in Oil/Water Flow ", Approved 2nd Report, The Research Council, December 2013.
4. **Al-Wahaibi Talal**, Al-Wahaibi Yahya, Abdul Aziz Al-Hashmi, Al-Ajmi Adel, "A novel use of drag reducing polymers as flow pattern modifiers in Oil/Water Flow ", Approved 1st Report, The Research Council, December 2012.
5. Al-Wahaibi Yahya, **Al-Wahaibi Talal**, Al-Ajmi Adel, "Experimental and Theoretical Investigation of Pressure Drop and Hold-up during Dual Continuous Oil-Water Flows", Approved 1st Report, Sultan Qaboos University Internal Grant, January 2012.
6. **Al-Wahaibi Talal**, Al-Wahaibi Yahya, Al-Ajmi Adel, "Model to Predict Oil-Water Flow Characteristics with Polymers", Approved 1st Report, Sultan Qaboos University Internal Grant, January 2012.
7. Al-Wahaibi Yahya, Al-Bemani Ali, Al-Ajmi Adel, **Al-Wahaibi Talal**, Nimr Field Black Oil Phase Behavior Study Validation Report for Well: Nimr -791 Bottom Hole Sample, Approved Report, Petroleum Development Oman, April 2011.
8. Al-Wahaibi Yahya, Al-Bemani Ali, Al-Ajmi Adel, **Al-Wahaibi Talal**, Saih Nihayda-SE Black Oil Phase Behavior Study, Approved Report, Petroleum Development Oman, January 2011.
9. Al-Wahaibi Yahya, Al-Bemani Ali, Al-Ajmi Adel, **Al-Wahaibi Talal**, Mabrouk Field_26 Crude Oil Phase Behavior Study, Approved Report, Petroleum Development Oman, October 2010.
10. Al-Wahaibi Yahya, Al-Bemani Ali, Al-Ajmi Adel, **Al-Wahaibi Talal**, PVT Measurements and Analysis, Approved 2nd Report, Petroleum Development Oman, August 2010.
11. Al-Wahaibi Yahya, Al-Bemani Ali, Al-Ajmi Adel, **Al-Wahaibi Talal**, "Khaleel _05 Crude Oil Phase Behavior Study & Complete PVT Testing Report", Approved Report, Petroleum Development Oman, April 2010.
12. Al-Wahaibi Yahya, Al-Bemani Ali, Al-Ajmi Adel, **Al-Wahaibi Talal**, Mabrouk Field Oil & Gas Chromatograph Analyses, Approved Report, MODAL, April 2010.
13. **Al-Wahaibi Talal**, Al-Wahaibi Yahya, Al-Ajmi Adel, AbdelGoad Mahmood, Al-Hashmi Abdulaziz, "Effect of Drag Reducing Polymer in Horizontal Oil-Water

Flow”, Approved Final Report, Sultan Qaboos University Internal Grant, January 2010.

14. Al-Wahaibi Yahya, Al-Bemani Ali, Al-Ajmi Adel, **Al-Wahaibi Talal**, “Amal Heavy Oil Field Phase Behavior Study ”, Approved Report, Petroleum Development Oman, July 2009.
15. Al-Wahaibi Yahya, Al-Bemani Ali, Al-Ajmi Adel, **Al-Wahaibi Talal**, “Gas Condensate Oil PVT Study on Bottomhole Samples Haban-5”, Approved Report, Petroleum Development Oman, January 2009.
16. **Al-Wahaibi Talal**, Al-Wahaibi Yahya, Al-Ajmi Adel, AbdelGoad Mahmood, Al-Hashmi Abdulaziz, “Effect of Drag Reducing Polymer in Horizontal Oil-Water Flow”, Approved 1st Report, Sultan Qaboos University Internal Grant, January 2009.
17. Al-Wahaibi Yahya, **Al-Wahaibi Talal**: “pH-Sensitive Polymers for Novel Improving Reservoir Sweep and Conformance Control Applications”, Approved Report, Petroleum Development Oman, Muscat, Oman, November 2008.
18. Al-Wahaibi Yahya, Al-Bemani Ali, Al-Ajmi Adel, **Al-Wahaibi Talal**, “PVT Measurements and Analysis”, Approved 1st Report, Petroleum Development Oman, August 2008.
19. Al-Wahaibi Yahya, **Al-Wahaibi Talal**, Al-Hadrami Hamoud: “Commercially Available EOR and Well Stimulation Tools”, Petroleum Development Oman Approved Final Report, March 2007.

7.6 Funding and Contract Support

Research Contracts (Total Budget Obtained: US \$ 1.7 million)

- Research Title: “Multiphase Flow Improvement and Demulsification of Oil Field Emulsions”
Code: CR/OG/13/01

Principal Investigator: Dr. Yahya Al-Wahaibi

Co-investigators: Dr. Talal Al-Wahaibi, Dr. Abdulaziz Al-Hashmi

Budget: US \$ 168,000

Sponsor: SNF

Status: Completed

- Research Title: “PVT Measurements and Analysis”
Code: CR/ENG/PCED/08/04

Principal Investigator: Dr. Yahya Al-Wahaibi

Co-investigators: Dr. Ali Al-Bemani, **Dr. Talal Al-Wahaibi**, Dr. Adel Al-Ajmi

Budget: US \$ 1,007,578

Sponsor: PDO

Status: Completed (2011)
- Research Title: “pH-Sensitive Polymers for Novel Improving Reservoir Sweep and Conformance Control Applications”
Code: CR/ENG/PCED/06/03

Principal Investigator: Dr. Yahya Al-Wahaibi

Co-investigator: **Dr. Talal Al-Wahaibi**

Budget: US \$ 335,000

Sponsor: PDO

Status: Completed (2009)
- Research Title: “Commercially Available EOR and Stimulation Tools”
Code: CR/ENG/PCED/06/02

Principal Investigator: Dr. Yahya Al-Wahaibi

Co-investigators: **Dr. Talal Al-Wahaibi**, Dr. Hamoud Al-Hadrami

Budget: US \$ 189,000

Sponsor: PDO

Status: Completed (2007)

Consultancy (Total Budget Obtained: US \$ 682,500)

- Project Title: “Establishment of New Engineering Programs at College of Applied Science-Sohar”
Code: CR/ENG/Dean/12/01

Principal Investigator: Dr. Ali Al-Harthi

Co-investigators: Prof. Tasneem Pervez, Dr. Hamood Al-Hadhrami, **Dr. Talal Al-Wahaibi** and Others

Budget: US \$ 682,500

Sponsor: Ministry of Higher Education

Status: Completed

Grants (Total Budget: US \$ 917,000)

- Internal Grant: “Wastewater treatment using Electrochemical Oxidation Process in Carwash stations in Ibra, Oman”

Proposal Code: RC/ENG/PCED/12/02

Principal Investigator: Dr. Motasem Alazaiza

Co-investigators: **Dr. Talal Al-Wahaibi**

Budget: OMR 5,000 (≈ USD 13,000)

Sponsor: A’Sharqiyah University

Status: Ongoing

- The Research Council Grant: “Green Solvents for Desulfurization of diesel and Fuel Oils”

Proposal Code: RC/ENG/PCED/12/02

Principal Investigator: Dr. Farouq Mjalli

Co-investigators: **Dr. Talal Al-Wahaibi**, Dr. Yahya Al-Wahaibi

Budget: US \$ 469,300

Sponsor: The Research Council

Status: Completed

- The Research Council Grant: “A novel use of drag reducing polymers as flow pattern modifiers in Oil/Water Flow”

Proposal Code: RC/ENG/PCED/12/01

Principal Investigator: **Dr. Talal Al-Wahaibi**

Co-Principal Investigator: Dr. Yahya Al-Wahaibi

Co-investigators: Dr. Abdulaziz Al-Hashmi, Dr. Adel Al-Ajmi

Expected Budget: US \$ 404,300

Sponsor: The Research Council

Status: Completed

- Internal Grant: “Drag Reducing Polymers for Two-Phase Oil/Water Flow”
Code: IG/ENG/PCE/07/01

Principal Investigator: **Dr. Talal Al-Wahaibi**

Co-investigators: Dr. Yahya Al-Wahaibi, Dr. Adel Al-Ajmi, Dr. Mahmood Abdelgoad,
Dr. Abdulaziz Al-Hasmi

Budget: US \$ 10,400

Sponsor: SQU

Status: Completed (2009)

- Internal Grant: “Experimental and Theoretical Investigation of Pressure Drop and Hold-up during Dual Continuous Oil-Water Flows”
Code: IG/ENG/PCED/11/02

Principal Investigator: Dr. Yahya Al-Wahaibi

Co-investigators: **Dr. Talal Al-Wahaibi**, Dr. Adel Al-Ajmi

Budget: US \$ 10,270

Sponsor: SQU

Status: Completed

- Internal Grant: “Model to Predict Oil-Water Flow Characteristics with Polymers”
Code: IG/ENG/PCED/11/03

Principal Investigator: **Dr. Talal Al-Wahaibi**

Co-investigators: Dr. Yahya Al-Wahaibi, Dr. Adel Al-Ajmi

Budget: US \$ 10,000

Sponsor: SQU

Status: Completed

Service Contracts (Total Budget: US \$ 83,300)

- Project Title: “Technical Evaluation of Production Chemicals”
Code: CR/ENG/PCED/07/01

Principal Investigator: **Dr. Talal Al-Wahaibi**

Co-investigator: Dr. Yahya Al-Wahaibi, Dr. Adel Al-Ajmi

Budget: US \$ 60,000

Sponsor: PDO

Status: Completed (2009)

- Project Title: "Glass Temperature Measurements"
Principal Investigator: **Dr. Talal Al-Wahaibi**

Co-investigator: Dr. Yahya Al-Wahaibi, Dr. Adel Al-Ajmi

Budget: US \$ 170 (per sample per hour)

Sponsor: PDO

Status: Completed (2010)

- Research Title: "Vapor Fraction Measurement at Line Condition for Mabrouk Field"

Code: AS/ENG/PCED/10/01

Principal Investigator: Dr. Yahya Al-Wahaibi

Co-investigators: Dr. Ali Al-Bemani, **Dr. Talal Al-Wahaibi**, Dr. Adel Al-Ajmi

Budget: US \$ 23,296

Sponsor: MODAL

Status: Completed (2010)