

CURRICULUM VITAE

Sabah Ahmed Abdul-Wahab Al-Sulaiman

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CURRICULUM VITAE

Sabah Ahmed Abdul-Wahab Al-Sulaiman

1. PERSONAL INFORMATION

Full Name	Sabah Ahmed Abdul-Wahab Al-Sulaiman
Sex	Female
Nationality	Omani
Place of Birth	Kuwait
Contact Address	Sultan Qaboos University College of Engineering Dept. of Mechanical and Industrial Engineering P.O. Box 33, Al-Khod, Postal Code 123 Muscat, Sultanate of Oman
Mobile Telephone No.	(+968) 99453084
Office Telephone No.	(+968) 2414 1360
E-mail	sabah1@squ.edu.om
Homepage	http://www.squ.edu.om/mechanical/tabid/8805/language/en-US/Default.aspx
Languages	English, Arabic
Date of Initial Appointment	September, 1999
Appointment Rank	Professor, Department of Mechanical & Industrial Engineering, SQU

Compiled: June 2015

2. EDUCATION AND EMPLOYMENT INFORMATION

EDUCATIONAL

- February 1999** **Ph. D.** Chemical Engineering
University of Bath, UK
Thesis Title: The formation, distribution and behaviour of gaseous pollution in the Shuaiba Industrial Area (SIA) -State of Kuwait
Advisors: Professor Barry D. Crittenden & Dr. Bev Sowerby
- November 1988** **M. S.** Chemical Engineering
University of Kuwait, Kuwait
Thesis Title: Evaluation of Henry's Constant for H₂S in Water and Sewage Effluents
Advisors: Dr. A. A. Al-Haddad & Dr. M.S.E. Abdo
- November 1981** **B.Sc.** Chemical Engineering
University of Kuwait, Kuwait
- June 1976** Secondary School Certificate-Science Division
Bebi Al-Salem, Kuwait

EMPLOYMENT HISTORY

- May 2010-present** **Professor**
College of Engineering, Sultan Qaboos University
Department of Mechanical & Industrial Engineering
May 2010 to Present
- June 2005-May 2010** **Associate Professor**
College of Engineering, Sultan Qaboos University
Department of Mechanical & Industrial Engineering
June 2005 to May 2010
- January 2000-June 2005** **Assistant Professor**
College of Engineering, Sultan Qaboos University
Department of Mechanical & Industrial Engineering
January 2000 to June 2005
- 1999-2000** **Visiting Consultant**
College of Engineering, Sultan Qaboos University
Department of Mechanical & Industrial Engineering
September 1999 to January 2000
- 1993-1999** **Teaching Assistant**
College of Engineering & Petroleum, Kuwait University, Chemical Engineering Department
May 1993 to September 1999
- 1982-1992** **Chemical Engineer**
Environment Protection Department
Ministry of Health, Kuwait

3. AWARDS AND RECOGNITION

PERSONAL AWARDS

- 20 May 2015 - Energy globe National Award for year 2015 from the Energy Globe foundation, Austria.
- 3 May 2015 - Distinguished Researcher Award, College of Engineering, University Day, Sultan Qaboos University.
- 26 October 2014 - Fellow of The World Academy of Sciences (TWAS) for the advancement of science in developing countries, Italy.
- 15 April 2013 - Khalifa Award for Education for the sixth cycle 2012-2013. Higher Education within the Arab World. Distinguished University Professor in the field of Scientific Research, United Arab Emirates (UAE), The Patron of the Award: H.H. the President of the UAE.
- 18 July 2011 - WSO Education Award for the year 2011 instituted by World Safety Organization for serving as editor of the book titled “Sick Building Syndrome in Public Buildings and Workplaces”. The book is published by Springer in May 2011.
- 22-24 December 2008 - First Prize of Saudi Arabia for Environmental Management Award for 2008 (Arab Administrative Development Organization, league of Arab States).
- 2 May 2007 - Distinguished Teaching Excellence Award, College of Engineering, University Day, Sultan Qaboos University, 2007.
- 30 April 2007 - Environmental Advocacy Award from the Arab Towns Organization Award, State of Qatar.
- 2 May 2005 - Distinguished Researcher Award, College of Engineering, University Day, Sultan Qaboos University.
- July 2004 - The VAFSEP2004 Crystal Award for the best paper at the International Conference on Vehicles Alternative Fuel Systems and Environmental Protection (Dublin, Ireland).
- 22 March 2003 - Certificate of recognition and momentum on the occasion of the year of the Environment 2002 by the Ministry of Regional Municipalities, Environment and Water Resources.
- June 2002 - Recipient of a DAAD fellowship (German Academic Exchange Service) for a short study and research visit with Aachen University of Technology at Aachen and with Hermann technical University in Berlin- Germany.

STUDENT COMPETITION AWARDS

- 2 June 2008 - First Place at the Design Project Competition (Design Competition Award, Sultan Qaboos university, Department of Mechanical & Industrial Engineering). Title of the project was: “Renewable Energy Applications: Sea Wave Energy”.
- May 2006 - Most innovative paper at the International Student Environmental Design Competition (EDC 2006, UAE). This award was given to the SQU student team #1, which I supervised. Title of the project was: “The Smart Ship”.
- May 2006 - Second Place at the International Student Environmental Design Competition (EDC 2006, UAE). This award was given to the SQU student team #2, which I supervised. Title of the project was: “Production of Brackish Water from Seawater for Agricultural and Landscape Irrigation”.
- May 2004 - First Place at the International Student Environmental Design Competition (EDC 2004, UAE). This award was given to the SQU student team #1, which I supervised. Title of the project was: “Brine Management”. The Vice Chancellor of the SQU issued a letter of recognition on this occasion.
- May 2004 - Best Oral Presentation at the International Student Environmental Design Competition (EDC 2004, UAE). This award was given to the SQU student team #2, which I supervised. Title of the project was: “Cooling Water Discharges to the Sea”.

4. TEACHING

a) COURSE INSTRUCTION

Undergraduate Courses

Course Number & Name	Year Taught F: Fall, S: Spring, SM: Summer
MCTE 4230, Thermal Sciences	2014 F, 2011 F, 2010 F, 2009 F, 2008 F, 2007 F
MEIE 4144, Heat Transfer	2015 S ² , 2014 S, 2012 S ² , 2010 S ² , 2009 S, 2009 S, 2008 S, 2006 S
MEIE 3141, Thermodynamics I	2011 F, 2010 F, 2007 F, 2006 F, 2004 F
COMP 2216, Fortran Programming	2005 SM*, 2004 SM, 2003 SM
MECH 5501, Environmental Engineering	2001 F
MECH 5520, Transport Phenomena	2002 F, 2001 S, 2000 S, 1999 F
MECH 5540 (MEIE 5143), Unit Operations I	2008 S, 2007 S, 2006 S, 2004 F, 2003 F, 2002 F, 2001 F, 2000 F*, 1999 F*
MECH 5541, Unit Operations II	2005 S, 2004 S, 2003 S, 2002 S, 2001 S*, 2000 S*
MECH 5502, Reaction Engineering	2004 S, 2003 S, 2002 S, 2000 F, 2000 S
MECH 4160 (MEIE 4183) Numerical Methods for Engineers	2014 F, 2014 SM, 2012 SM, 2011 F, 2011 SM, 2011 S, 2010 SM, 2009 F, 2009 SM, 2008 F, 2008 SM, 2007 SM, 2007 S, 2006 SM, 2005 F, 2005 SM*, 2001 SM*, 2000 SM
MEIE 3105, Lab I	2004 S**, 2003 S, 2002 F, 2001 F**, 2001 S**, 2000 F, 2000 S, 1999 F
MEIE 3106, Lab II	2004 F**, 2003 F**, 2002 S, 2001 S**, 2000 F

* Shared courses

** Coordinator

²Two sections

Graduate Courses

4. MEIE 6099, Special Topics, 2014 S.
3. CHE 775, Environmental Modelling, 2013 F (Canada, University of Waterloo)
2. MEIE 6012, Process Engineering Design, 2005 F.
1. MEIE 6004, Advanced Numerical Methods for Engineers, 2005 S.

Directed Studies for Graduate Students (MEIE 6212)

5. Inverted Absorber Solar Stills, Student name: Al-Hatmi Y.Y., 2007 S.
4. Modelling of Tropospheric Ozone, Student name: Al hammadi M.K., 2006 S.
3. Modeling and Simulation of a Small Scale RO Unit, Student name: Al Balushi A.S., 2005 S.
2. Determination of the Features of the Temperature Inversions in GCC, Student name: Al-Kalbani M., 2005 S.
1. Optimization Study Using Design Expert, Student name: Al-Zahli A., 2004 S.

b) PROJECT SUPERVISION

SUMMARY:

CATEGORY	No.
Undergraduate Senior Student Projects Supervised	42
Graduate Student Projects Supervised	7
Doctoral Student Projects Supervised	4
Project External Examiner and/or External Assessor	11
TOTAL	64

Undergraduate Senior Student Projects Supervised

No.	Project Title	Supervisor(s)	Student Name	Year
42.	Design and construction of cement mill: The use of additives and its effect on cement mechanical properties.	Abdul-Wahab S.A.* Edris Hassan	Ahmed Al-Shukaili (92434) Idress Al-Aamri (92811) Abdullah Al-Abri (92352)	2014 F
41.	Effects of Meteorological Conditions on the Concentration and Dispersion of an Accidental Release of H ₂ S in Canada.	Abdul-Wahab S.A.* Elkamel A.	Keziah Chan (Canada)	2013 F
40.	Canadian Carbon Capture and Storage.	Abdul-Wahab S.A.* Elkamel A.	Afsanul Khan (Canada)	2013 S
39.	Impact of Geophysical and Meteorological conditions on the Dispersion of NO ₂ , Canada.	Abdul-Wahab S.A.* Elkamel A.	Keziah Chan (Canada)	2013 SM
38.	Study of the Dispersion of PM10, Canada.	Abdul-Wahab S.A.* Elkamel A.	Pedram Yazdanpanah (Canada)	2013 S
37.	Study of SO ₂ Dispersion from a Proposed Refinery in Newfoundland and Labrador, Canada.	Abdul-Wahab S.A.* Elkamel A.	Keziah Chan (Canada)	2013 S
36.	Performance Evaluation of an Inverted Absorber Double-Effect Solar Still.	Abdul-Wahab S.A.	Abdullah Al-Rubkhi (83598) Salim Al-Adawi (82225) Saif Al-Qassabi (83764)	2012 S
35.	Fuel Cell Car.	Abdul-Wahab S.A.	Nasser Salim Al-Rajhi (70125) Khaleel Ali Alghefili (69797) Anwar Said Al-Mamari (69809) Abdullah Al-Sumri (69712)	2011 F
34.	Thermoelectrically Cooled Bus Waiting Shelter.	Abdul-Wahab S.A.	Abdullah Said Al-Sawaei (69746) Mohammed Khalfan Al-Nofuali (70110) Ibrahim Ali Al-Mamari (69859) Ahmed Said Al-Kalbani (69936)	2010 F
33.	Efficient and Economic Way to Produce Water from Humid Air.	Abdul-Wahab S.A.* Al-Marzouqi A. H.**	Ahmed Salim Al-alawi (58504) Mohammed Juma Al-Gheilani (61132) Salim Said Kashoob (59688)	2009 F
32.	Underwater Tourism Project: Marine Environment and	Al-Azri A.*** Abdul-Wahab S.A. Al-Wardi M.	Zainab Abdullah Al-Kharusi (52179/04)	2008 F

Engineering Design.

31.	Design of a Mobile Station to Facilitate the Transportation of Air Pollution Monitoring Equipments: Set-up, Calibration and Analysis of Data.	Abdul-Wahab S.A.* Charabi Y.	Salim Abdullah AL-Yahmadi (55930) Mohammed Ali Al-Abdusalam (54644) Nasser Suliaman AL-Maamari (47297)	2008 F
30.	Using CALPUFF Model for Predicting Air Pollution at the Sultanate of Oman.	Abdul-Wahab S.A.	Hilal Al-Muqbali (42442) Ishaq Al-Shkaili (45904)	2008 F
29.	A Device to Condense Water Vapor from Ambient Air.	Abdul-Wahab S.A. Al-Ismaili H.	Salem Awadh Ahmed Raafit (33902)	2008 F
28.	Improvement the Design of the Solar Still to Increase its Performance and Productivity.	Abdul-Wahab S.A.	Numan Abdullah Al-Naamani (46402/03) Saif Suleiman Al-Dhuhli (48274/03) Ahmed Said Al-Baqlani (48472/03) Said Muhammad Al-Qarni (42235/02)	2008 S
27.	Design of a Solar Dryer (Phase II).	Abdul-Wahab S.A.	Khalid Hamed Al-Saadi (45863) Saif Hamed Al-Saadi (49566) Yahya Khamis Al-Saadi (47365)	2008 S
26.	Copper/Nickel Dust Formation in the Desalination Plant.	Abdul-Wahab S.A.	Nasser Humaid Al-Amry (44490/03) Mutlaq Muhammad Al-Busaidi (45298/03) Mazen Nasser Al-Kharusi (48366/03)	2008 S
25.	Renewable Energy: Converting Sea Wave Energy into Electricity.	Abdul-Wahab S.A.	Adel Abdullah Al-Kindi (51067/03) Nasser Khalfan Al-Hussaini (44075/03)	2007 F
24.	Design of Solar Dryer.	Abdul-Wahab S.A.* Al-Leathy A.	Ahmed Ali Al-Alawai (45326/03) Ahmed Humid Al-Habsi (46442/03)	2007 F
23.	Production of Brackish Water from Sea Water by Using the Evacuated Flat Plate Collector.	Abdul-Wahab S.A.	Walid Said Al-Riyami (48938/03) Khalfan Bati Al-Jadidi (49436/03) Hamed Masoud Al-Kindi (49425/03)	2007 F
22.	Comparison between the Performance of the Conventional and a Double Glass Cover Solar Still.	Abdul-Wahab S.A.	Ahmed Ali Nasser (42602/02) Anwar Salim Al-Farsi (39420/02) Adel Khamis Al-Maawali (39710/02) Mohammad Sulaiman Al-Sabahi (40175/02)	2007 S
21.	Design of an Evaporative Cooler.	Tahat M.* Abdul-Wahab S.A.	Ahmed Abdullah Al-Mandhrie (35197) Abdul Haleem A. Al-Balushi (42252)	2007 S

20.	The Smart Ship.	Abdul-Wahab S.A.	Ali Khalfan Al-Mahrooqi (39029/02) Said Khalfan Al Barashdi (39809/02)	2006 F
19.	In-situ Technique for Detection of Oil Pollution in Seawater.	Abdul-Wahab S.A.	Khamis Humaid Al_Mammari (41668/02) Salem Rashed Al Ghafri (38752/02)	2006 F
18.	Production of Brackish Water from Sea Water for Agricultural and Landscape Irrigation.	Abdul-Wahab S.A.	Abdullah Said Al-Sadi (40685/02) Khaled Said Al Nabhani (40805/02)	2006 F
17.	Feasibility Study of Fog Water Collection in Al-Kareef Season in Dhofar Region.	Abdul-Wahab S.A.* Al-Hinai H.	Aamer Ali AL-Maashani (33938/01) Said Masoud AL-Maashani (33935/01)	2005 F
16.	Solar Thermal Cooling.	Al-Hinai H.* Abdul-Wahab S.A. Al-Balushi K.	Idris Al-Siyabi (29533/00) Ahmed Al-Jabri (28862/00) Mohammed Al-Alawi (29406/00) Yousuf Al-Waili (28901/00)	2004 F
15.	Modelling of Air Conditioning System (Air Handling Unit): A Case Study from Sohar Hospital.	Abdul-Wahab S.A.* Goosen M.F.A.	Ibraheem Al-Khansori (23864/99) Abdullmajeed Al-Mahroqi (24220/99) Ahmed Al-Fazari (21414/99)	2003 F
14.	Oman Polypropylene.	Abdul-Wahab S.A.* Shikdar A.	Ahmed Al Farsi (16804/98)	2003 F
13.	Particulate Matters Dispersion and Evaluation of the Fugitive Dust Model (FDM) at Cement Plant, Sultanate of Oman.	Abdul-Wahab S.A.	Juland Al Saidi (20207/98)	2003 F
12.	Application of Contam Model in Residential House at SQU.	Abdul-Wahab S.A.	Ghalib Al Musallami (19943/98)	2003 F
11.	Assessment of Heavy Metals in Total Suspended Particulate Matter from the Workplace and Residential Areas in Sohar Industrial Estate, Oman.	Abdul-Wahab S.A.	Khalid Al Badi (20143/98) Abdullah Al Fazari(20005/98)	2003 F
10.	Pollution Due to the Traffic.	Abdul-Wahab S.A.	Khalid Al Badi (20143/8) Abdullah Al Fazari (20005/98)	2003 F

9.	Atmospheric Pollution & Corrosion of Metals.	Abdul-Wahab S.A.*	Talal Al Resheidi (15582/97) Farouq Al Jahwari (15522/97) Fahad Al Sinani (15704/97)	2002 F
8.	Atmospheric Pollution & Corrosion of Metals.	Abdul-Wahab S.A.* Siddiqui R.	Ahmed Al Suquri (11549/96) Mohammed Al Wishahi (12928/96) Juland Al Kudhourri (6598/94)	2001 F
7.	Environmental Impact Assessment of the Oman LNG at "Sur".	Abdul-Wahab S.A.	Mazen Al Reyami (13404/96) Mohammed Al Barashdi(13495/96)	2000 F
6.	Study of Thermal Inversion Layer.	Abdul-Wahab S.A.	Adel Beifadhel (10983/95) Khalid Al Hinai (8781/94)	2000 F
5.	Experimental Study of Liquid Desiccant Air Dehumidifier.	Abdul-Wahab S.A.* Zurigat Y.	Mohammad Khalfan (10976/95) Salem Al Esmaily (11031/95)	2000 F
4.	Using Models to Predict SO ₂ Concentration in ORC.	Abdul-Wahab S.A.	Mustafa Al Lawatia (13391/96)	2000 F
3.	Experimental Study of Liquid Desiccant Air Dehumidifier.	Zurigat Y.* Al-Hinai H. Abdul-Wahab S.A.	Hamoud Al Sinani (10052/95)	1999 F
2.	Atmospheric Pollution & Corrosion of Metals.	Abdul-Wahab S.A.	Anwar Al Dhuhli (9765/95)	1999 F
1.	Production of Methanol from Natural Gas.	Abdul-Wahab S.A.* Abu-Arabi M.	Suleiman Al Kindi (9059/94)	1999 F

* Main supervisor

** United Arab Emirates University

*** Agricultural College

Master Student Projects Supervised

No.	Project Title	Supervisor(s)
7.	A study of the Dispersion of Vinyl Chloride from a Renewable Energy Facility Located in Ontario, Canada, 2013 F (Juwairia Obaid, Canada)	Abdul-Wahab S.A.* Elkamel A.
6.	Emissions of Pollutants during Startup and Shut down Operations from Different Unit Operations, 2013 F (Juwairia Obaid, Canada)	Abdul-Wahab S.A.* Elkamel A. William A. Anderson
5.	Study of the Performance of the Inverted Solar still Integrated with a Refrigeration Cycle, 2008 S (Al-Hatmi Y.Y., 13408/04)	Abdul-Wahab S.A.
4.	A Novel Irrigation System (by siphoning), Green Roof Concept, 2006 S (Al-Issai J., 30199/06)	Kacimov A. ^{*,***} Abdul-Wahab S.A. Al-Maskri A. ^{***}
3.	NO _x Emission Estimation and Modeling from Ships at Berth in Said Bin Sultan Naval Base, 2005 S (Al Balushi A.S., 51415/03)	Abdul-Wahab S.A.* Elkamel A. ^{****}
2.	Determination of the Features of the Temperature Inversions in GCC, 2005 S (Al-Kalbani M.S., 5764/02)	Abdul-Wahab S.A.
1.	Multi Stage Flash Desalination Troubleshooting Using Fuzzy Logic-Based Expert System, 2003 F (Al Weshahi M., 12928/02)	Abdul-Wahab S.A.* Elkamel A. ^{****} Al-Yahmadi A.

* Main supervisor

*** Agricultural College

**** Canada

Doctoral Student Projects Supervised

No.	Project Title	Supervisor(s)
4.	Electricity generation planning and plug-in hybrid electric vehicle (Ahmadi L., Canada)	Elkamel A. Croiset E. Douglas P. L. Entchev E. Abdul-Wahab S.A.
3.	Economically Optimal Design of CO ₂ Pipeline Transportation: CCS (Mohammadi M., Canada)	Abdul-Wahab S.A. Elkamel A. Chen P.
2.	The Study of the Condenser Design, Fabrication and Testing for Humidification-Dehumidification Desalination System Using Solar Energy, 2005 F (Tahri T.)	Abdul-Wahab S.A.* Al-Hinai H. Bettahar A.
1.	Modeling and Simulation of the Condenser of the Seawater Greenhouse, 2005 S (Mahmoudi H.)	Abdul-Wahab S.A.* Al-Hinai H. Sablani S.S. Goosen M.F.A. Ouagued A.

* Co-supervisor at SQU. This degree is offered by UHBC, Algeria

Project External Examiner and/or External Assessor

11. External Examiner & Member in the Project Examining Committee of Rabha Said Sultan Al-Omairi (55158/10) on M.Sc. thesis, Department of Petroleum and Chemical Engineering. Oral presentation on 8 April, 2014.
10. Chair & member in the Project Examining Committee of Mr. Sultan Salim Al-Yahyai (10932/09) for the degree of Doctor of Philosophy in Electrical and Computer Engineering, Department of Electrical and Computer Engineering. Title of thesis is “Wind energy assessment and electric power forecast based on numerical weather prediction models”, Oral presentation on 21 November, 2012
9. External Examiner & Member in the Project Examining Committee of Mr. Abdullah Rashid Nasser Al-Khadouri (88191/2009) for the degree of master in Environmental Science, College of Science (Department of Biology). Title of thesis is “Contribution of the atmospheric processes to the degradation of the air quality in Sohar Industrial Area”, Oral presentation on 9 October, 2011.
8. Chair & member in the Project Examining Committee of Mr. Said Al-Touqi (32059/05) on M.Sc. project, Department of Civil and Architectural Engineering. Oral presentation on 16 January, 2008.
7. External Assessor to evaluate a thesis of Dhoha Al Rushoud, in partial fulfillment of the requirements for the Master Degree in Chemical Engineering Program, The College of Graduate Studies at Kuwait University, Kuwait. Invitation received on 4 February 2007.
6. Chair & member in the Project Examining Committee of Mr. Ahmed Al-Riyami (3594/01) on M.Sc. project, Department of Civil and Architectural Engineering. Oral presentation on 5 December, 2006.
5. Member in the Project Examining Committee of Mr. Ahmed Al Saadi (890000800/99) on M.Sc. project, Department of Mechanical and Industrial Engineering. Oral presentation on 8 August, 2005.
4. External Examiner & Member in the Project Examining Committee of Mr. Mohammed Al-Khuseibi for the degree of master in Food Science, College of Agricultural and Marine Sciences. Oral presentation on 19 September, 2004.
3. Chair & member in the Project Examining Committee of Mr. Hamad Abdullah Al-Sedairi (890000814/99) on M.Sc. project, Department of Electrical and Computer Engineering. Oral presentation on 1 June, 2004
2. Member in the Project Examining Committee of Mr. Suliman Al-Obeidani (8967/99) on M.Sc. project, Department of Mechanical and Industrial Engineering. Oral presentation on 23 March, 2004.
1. Member in the Thesis Examining Committee of Mr. Rashid Al Belushi (3190/99) on M.Sc. Thesis, College of Agricultural and Marine Sciences. Oral presentation on 14 September, 2002.

c) CURRICULUM DEVELOPMENT AND TEACHING MANAGEMENT

Developed course material and taught at Sultan Qaboos University the following:

Undergraduate courses:

Thermal Sciences (MCTE 4230), Heat Transfer (MEIE 4144), Thermodynamics I (MEIE 3141), Environmental Engineering (MECH 5501), Unit Operations I (MECH 5540), Unit Operations II (MECH 5541), Transport Phenomena (MECH 5520), Reaction Engineering (MECH 5502), Numerical Methods for Engineers (MECH 4160), Fortran Programming (COMP 2216), Directed Studies for graduate (MEIE 6212)

Graduate courses:

Process Engineering Design (MEIE 6012), Advanced Numerical Methods for Engineers (MEIE 6004)

d) STUDENT ADVISING

- Academic Adviser for:
(Cohort 2008: 14 students, Cohort 2006: 45 students, Cohort 2001: 30 students, Cohort 1996, 15 students)

e) TEACHING ACTIVITIES OUTSIDE THE CLASSROOM

Participation in many college seminars, student field trips and ABET presentations

5. SERVICES

a) UNIVERSITY ADMINISTRATION AND COMMITTEES

University Services

No.	Committee or Program	Role/Coordinator	Duration
8.	University Academic Promotion Committee (UAPC)	Member	September 2014-Present
7.	University Internal Quality Audit Committee	Member	12 December 2011-Present
6.	College Journal (The Journal of Engineering Research, TJER), Indexed in SCOPUS.	Editor-in-Chief	3 July 2011-13 October 2012
5.	University Academic Publications Board	Member	June 2011- October 2012
4.	Preparatory Committee for the Visit of HE Minister of Environment and Climate Affairs to the SQU University on 25/4/2009. The committee was chaired by the Vice Chancellor of the SQU.	Member	April 2009
3.	University Library Committee.	Member	Fall 2007 - Present
2.	GCC Water Conservation Program Committee, organized by the Environment Protection Society (KEPS, Kuwait).	Member	August 2004 - October 2006
1.	Oil Spill Committee with the Ministry of Regional Municipalities, Environment and Water Resources (Oman).	Member	Spring 2000 - Spring 2002

College Services

No.	Committee	Service	Duration
18.	College Publication and Web Committee	Chair	September 2014-Present
17.	College Board Committee	Member	Spring 2011
16.	College Executive Committee.	Member	Spring 2011
15.	College Accreditation Committee (ABET).	Member	Spring 2011
14.	College Postgraduates and Research (PGSR) Committee.	Member	Fall 2010-present
13.	Preparatory Committee for the visit to the United Arab Emirates University in Al-Ain on 19/5/2009. The committee was chaired by the Dean of the college.	Member	May 2009
12.	Sponsorship Committee for the 09 Forum on "Renewable Energy Development in Oman", organized by the Renewable and Sustainable Energy Research Group (RASERG) 22-23 November 2009.	Member	Spring 2009-Present
11.	College Journal (The Journal of Engineering Research, TJER).	Associate Editor	October 2005- 3 July 2011
10.	College Strategic Planning & Development Committee.	Member & Coordinator Member	Fall 2007-Spring 2009 Fall 2003-Spring 2007
9.	College Academic Promotions Committee.	Member	Fall 2010- Present Fall 2005-Spring 2006
8.	Publication/Web Committee.	Chair	Fall 2010-Present Fall 2005-Spring 2006 Fall 2001-Fall 2002
7.	Fortran Language Committee	Member	Fall 2005
6.	College Video Committee (i.e., to produce video on the College).	Chair	Fall 2010 Fall 2004-Fall 2005
5.	Academic Staff Salary Scale (ASSS).	Member	January 2005
4.	Newsletter College Committee.	Member	Spring 2003

3.	Safety and Technical Staff Committee.	Member	Fall 2002- Fall 2003
2.	Publication/Advancement Committee.	Member	Fall 2010 Fall 2000-Fall 2001
1.	Translation Committee.	Member	Fall 2000-Fall 2001

Department Services

No.	Committee	Service	Duration
28.	Department Publications and web Committee.	Chair	September 2014-Present
27.	Acting Head, Department of Mechanical & Industrial Engineering.	Acting Head	16 July-28 July 2011 1 February-20 June 2011 4 July-7 August 2009 19 July-20 August 2008 14-27 July 2007 1 July-23 August 2006 Summer 2005 Summer 2003 19-21 August 2002
26.	MIE Departmental Board Committee.	Member Chair Member	Fall 2011-Present Spring 2011 Fall 1999-Fall 2010
25.	Department Postgraduate Studies and Research Committee (PGSR)	Chair Chair	Fall 2011-Present Fall 2010-Spring 2011
24.	Industrial Advisory Board (IAB) Committee	Member Chair	Fall 2011-Present Spring 2011
23.	Student-Staff Liaison (SSLC) Committee (Mechanical)	Chair	Spring 2011
22.	Student-Staff Liaison (SSLC) Committee (Industrial)	Chair	Spring 2011
21.	Department Promotion Committee.	Member	Fall 2010-Present Fall 2006- Fall 2008
20.	Department Recruitment Committee.	Member Chair Member	Fall 2011-Present Spring 2011 Fall 2010
19.	Publication Committee for the “International Conference on Applied Mechanics, Materials, and Manufacturing (ICAMMM'2010)”, organized by the Department during 13-15 December 2010.	Chair	Fall 2009-Fall 2010
18.	Department Publications/web Committee	Coordinator	Fall 2009-Fall 2010

17.	Final Year Project II (ME).	Coordinator	Fall 2009-Fall 2010
16.	Department Strategic Planning Implementation Committee.	Member & Coordinator	Fall 2007- Spring 2009 Fall 2002-Fall 2003
15.	Department Strategic Planning Implementation Committee.	Chair	Fall 2006-Fall 2007 Fall 2003-Spring 2005
14.	Department Curriculum & Accreditation Committee for IE/ABET***.	Member	Fall 2006- present
13.	ME Program Assessment & Evaluation Committee.	Member	Fall 2006- present
12.	Staff/Student Liaison Committee.	Chair	Fall 2004-Spring 2006
11.	Department Curriculum & Accreditation Committee for ME/ABET***.	Member	Spring 2001-present
10.	MIE Departmental Board.	Member	Fall 1999-present
9.	Thermo-fluid Research Group.	Member	Fall 1999-Present
8.	Five Year Department Plan Committee.	Member	Spring 2004
7.	Department Strategic Planning Committee.	Member & Coordinator	Fall 2000-2002
6.	Web Committee.	Chair	Fall 2000-Fall 2001
5.	Seminar Committee.	Coordinator	Fall 2000-Fall 2001
4.	Translation Committee.	Chair	Fall 2000-Fall 2001
3.	Student-Staff Liaison Committee.	Member	Fall 2001
2.	Organizing Committee for the Regional Conference on “Business and Investment Forum For Renewable Energy in the Arab Region” organized by the Department during 12-15 November 2000.	Member	Spring 2000-Fall 2000
1.	Publication Committee for the Regional Conference on “Business and Investment Forum For Renewable Energy in the Arab Region” organized by the Department 12-15 November 2000.	Chair	Spring 2000-Fall 2000

*** Participated in the accreditation program preparation as a member of task group or as a coordinator starting from 2000 and until we obtained the ABET accreditation, including setting the program educational objectives, course outline preparation in ABET format, course files and filing system, program assessment system development, alumni and employer surveys and their assessments. I also participated in the preparation of the self-study report.

b) PROFESSIONAL SERVICE

Editorships

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|-----|--|----------------------------|
| 21. | Member of the organizing committee for The 5th International Conference on Applied Mechanics and Civil Engineering (AMCE 2015), Hong Kong, September 25-26, 2015
http://www.sree.org.uk/conferences/amce2015.html | September 25-26, 2015 |
| 20. | Member of the Advisory Board for the third International Conference on Water, Energy and Environment , AUS, March 24-26, 2015. | March 24-26 2015 |
| 19. | Member of the Advisory Board for the second International Conference on Water, Energy and Environment , Turkey, September 2014. | September 2014 |
| 18. | Member of the Scientific Committee for the Eighth International Conference on Renewable Energies and Environment (CERE 2014), Tunisia, March 19-21, 2014. | December 14, 2013 |
| 17. | Member of the Scientific Committee for the International Seminar in Water, Energy and Environment (ISWEE'11), Laboratory of Water and Environment, Chlef University, Oran, Algeria.
http://iswee01.webnode.fr/scientific-committee/ | March 2011 |
| 16. | Editor-in-Chief for “The Journal of Engineering Research (TJER)”, College of Engineering, Sultan Qaboos University
http://www.squ.edu.om/tabid/8566/language/en-US/Default.aspx
http://www.squ.edu.om/tabid/8436/language/en-US/Default.aspx | June 2011-January 2013 |
| 15. | Editorial Board Member (EBM) for “Positioning”, Scientific Research Publishing (http://www.scirp.org)
Address: 5005 Paseo Segovia, Irvine, CA 92603-3334, USA
http://www.scirp.org/journal/pos | June 2010-January 2013 |
| 14. | Regional Editor for “Research Journal of Environmental and Earth Sciences”, Maxwell Science Publication.
http://www.maxwellsci.com/jp/editor.php?jid=RJEES | February 2010-present |
| 13. | Editorial Board Member (EBM) for “Global Journal of Analytical Chemistry”, Simplex Academic Publishers.
www.simplex-academic-publishers.com | February 2010-January 2013 |

12. Editor of a Special Issue of the “The International Journal of Environmental Studies, IJES” entitled "Women’s Environmental Activities in the Middle East and North Africa", Routledge Journals, Taylor & Francis, Vol. 66, Issue 2, 2009.
<http://www.informaworld.com/smpp/title~db=all~content=g911592060> May 2008- April 2009
11. Associate Editor for “Research Journal of Applied Sciences, Engineering and Technology, RJASET”, Maxwell Scientific Organization.
<http://maxwellsci.com/ebj2p.php?jid=RJASET> May 2009- December 2012
10. Associate Editor for “Research Journal of Environmental and Earth Sciences, RJEES”, Maxwell Scientific Organization.
<http://maxwellsci.com/ebj2p.php?jid=RJEES> May 2009- December 2012
9. Member of the International Advisory Committee for the 3rd International Conference on Sustainable Energy & Environmental Protection (Seep 2009), Dublin City University (DCU), Dublin, Ireland.
<http://www.dcu.ie/conferences/seep/committee.shtml> February 2009
8. Editorial Board Member (EBM) for “The International Journal of Environmental Studies, IJES”, Routledge Journals, Taylor & Francis.
<http://www.informaworld.com/IJES>
<http://www.informaworld.com/smpp/title~db=all~content=t713642046~tab=editorialboard> January 2009- June 2011
7. Editorial Board Member (EBM) for “Journal of Environmental Science and Health, Part A: Toxic/Hazardous Substances & Environmental Engineering”, Taylor & Francis.
<http://www.tandf.co.uk/journals/journal.asp?issn=1093-4529&linktype=5> May 2008- January 2011
6. Register of External Reviewer for Oman Accreditation Council (OAC), Oman.
<http://www.oac.gov.om/about/reviewers/detail/?id=376>
<http://www.oac.gov.om/institution/schedule/members/?id=62> October 2007- December 2012
5. Associate Editor for “American Journal of Applied Sciences, AJAS”, Science Publications.
http://www.scipub.org/scipub/c4p.php?j_id=ajas
http://www.scipub.org/scipub/eboard.php?j_id=ajas January 2007- December 2012
4. Associate Editor for “American Journal of Environmental Sciences, AJES”, Science Publications.
http://www.scipub.org/scipub/eboard.php?j_id=ajes May 2006- December 2012
3. Editorial Board Member (EBM) for “Journal of Engineering and Applied Sciences”, Medwell Journals.
<http://medwelljournals.com/new/5/eb.php?id=5&theme=5&jid=1816-949x> December 2006- December 2012

2. Editor of a Special issue on the “American Journal of Environmental Sciences, September
AJES” entitled "Air Pollution Modeling, Prevention, and Control", Science 2006-May
Publications, 2 volumes: 2008
Vol. 4, No. 1, 2008
Vol. 4, No. 5, 2008
http://www.scipub.org/scipub/spiny/SPISS_AJES_Dr_Sabah.pdf
1. Associate Editor for “The Journal of Engineering Research (TJER)”, College October
of Engineering, Sultan Qaboos University 2005-June
<http://tjer.net/> 2011
http://tjer.net/index.php?option=com_content&view=article&id=22&Itemid=71

Evaluation of Scientific Works of Faculty Staffs

4. Evaluation of scientific works of one faculty staff for promotion to the rank of Professor, University of Basrah (Iraq), October 2012.
3. Evaluation of scientific works of one faculty staff for promotion to the rank of Associate Professor, The Petroleum Institute (PI) in Abu Dhabi (UAE), December 2011.
2. Evaluation of scientific works of one faculty staff for promotion to the rank of Associate Professor, Dhofar University (Oman), College of Engineering, December 2011.
1. Evaluation of scientific works of one faculty staff for promotion to the rank of Associate Professor, Al-Hussein Talal University (Jordan), College of Mining and Environmental Engineering, August 2009.

Invited Guest Speaker (Lectures, workshops & seminars)

8. Attending the 10th Annual Meeting of the Arab Regional Office for The World Academy of Sciences (TWAS-ARO). Organized by Bibliotheca Alexandrina, Alexandria, Egypt during, 29-30 December 2014.
7. Reviewing of the HCFCs Data Collected under the HPMP for the Sultanate of Oman. The 2010 Main Meeting of West Asia ODSs Officers’ Network and Meeting of West Asian Climate Change Focal Points. Organized by United Nations Environment Programme (UNEP/ROWA) & United Nations Industrial Development Organization (UNIDO), Jeddah, Saudi Arabia, 20-23 September 2010.
6. Phase-out the Consumption of Hydro Chloro Fluorocarbons (HCFC) in Oman: Highlights from the National HCFC Survey. National Workshop for Launching of the HCFC Phase-Out Management Plan (HPMP) of Oman. Organized by the Ministry of Environment & Climate Affairs, United Nations Industrial Development Organization (UNIDO) and United Nations Environment Programme (UNEP), Muscat, Oman, 23 May 2009.
5. The Growth of Populations and Development Projects and its Impacts on the Ecological Footprint of the Arabic Cities: Growth and Proliferation of pollution. The Seventh Arab Environmental Management Conference organized by the Arab Administrative Development Organization (ARADO), League of Arab States, Cairo, Egypt, 22-24 December 2008.

4. Oil Production and its Impacts on the Ecological Footprint of the Arabic Cities: Environmental Management of Marine Pollution. The Seventh Arab Environmental Management Conference organized by the Arab Administrative Development Organization (ARADO), League of Arab States, Cairo, Egypt, 22-24 December 2008.
3. The Use of ODSs as Solvents, Aerosol Industry and in MDIs Applications. Capacity Building Workshop for Iraqi Experts on Implementation of the Montreal Protocol. Organized by United Nations Environment Programme (UNEP/ROWA) & United Nations Industrial Development Organization (UNIDO), Beirut, Lebanon, 22-26 September 2008.
2. Survey of Ozone Depleting Solvents in Oman in various Sub-sectors of Industry. Organized by the Ministry of Regional Municipalities, Environment & Water Resources and United Nations Industrial Development Organization (UNIDO), Muscat, Sultanate, 10-11 September 2006.
1. Air Pollution and a Statistical Model for Estimating Ozone Ground Levels in the Shuaiba Industrial Area, Kuwait, Organized by the Oil & Gas WestAsia.

Peer Reviewer for Articles Submitted to:

22. Special issue on Vehicle to Grid for Energies
21. Indoor and Built Environment.
20. Desalination and Water Treatment (DWT).
19. Desalination (DES).
18. The International Journal of Environmental Studies (IJES).
17. American Journal of Environmental Sciences.
16. Special issue for International Journal of Energy Technology and Policy.
15. Applied Mathematics and computation.
14. Applied Thermal Engineering.
13. The Journal of Engineering Research (TJER).
12. Special volume of Water, Air, & Soil Pollution: Focus (Acid Rain 2005, Prague).
11. Environmental Engineering Science.
10. Environmental Modelling & Software.
9. Ecological Modelling.
8. Special issue on Pollution Prevention in the process industry for the International Journal of Environment and Pollution (IJEP).
7. Journal of Air & Waste Management Association.
6. Atmospheric Environment.
5. Energy- The International Journal.
4. Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management (ASCE).
3. Environmental Management.
2. Journal of the International Solar Energy Society.
1. International Journal of Environmental Technology and Management.

(On average 16-20 reviews per year for the last four years)

Reviewed Research Proposals for:

7. The Research Council (TRC), Sultanate of Oman, (Served as a reviewer for the proposal, February 2012).
6. The Research Council (TRC), Sultanate of Oman, (Served as a reviewer for the proposal, January 2012).
5. Qatar National Research Fund (QNRF), Qatar Foundation, (Served as a reviewer for the proposal, December 2011).
4. Qatar National Research Fund (QNRF), Qatar Foundation, (Served as a reviewer for the proposal, November 2011).
3. GCC Environmental Disaster Management Center (Served as a reviewer for the proposal, November 2009).
2. Bentham Science Publishers (Served as a Reviewer for a book, September 2009).
1. The Office of Assistant Vice President for Postgraduate Studies and Research of SQU (June 2006: 2 proposals, November 2005: 3 proposals, November 2003: 2 proposals).

Conference/Workshop Service

8. Member of the Organizing Committee (Publication Committee) for the International Conference “Applied Mechanics, Materials, and Manufacturing (ICAMMM’2010)”, which will be organized by the Sultan Qaboos University, College of Engineering, Department of Mechanical & Industrial Engineering during 13-15 December 2010.
7. Member of the Organizing Committee (Sponsorship Committee) for the “Renewable Energy Development in Oman Forum’09, (REDOF’09)” which was organized by Sultan Qaboos University, College of Engineering, Renewable and Sustainable Energy Research Group (RASERG) during 22-23 November 2009.
6. Chair of the first Session on “Environmental Auditing Conference”. Organized by the Institute of Public Administration, and Ministry of Environment and Climate Change, Oman, 19-20 April 2009.
5. Track organizer: Track on Maritime Pollution, Prevention, and Control on “The International Workshop on “Harbour, Maritime & Multimodal Logistics Modeling and Simulation”, 17-19 September 2008, Briatico, Italy.
4. Co-Chair of the last Session on “Energy Conservation in Buildings Workshop”. Organized by the Kuwait Foundation for the Advancement of Sciences (KFAS)”, Kuwait, 13-17 December 2003.
3. Co-Chair & Reporter of Session on “Waste Management”. Oman International Conference on Waste Management, 16-18 December 2002, organized by Ministry of Regional Municipalities, Environment and Water Resources, Muscat, Oman.
2. Co-Chair of Session on “Advanced Energy Systems”. 6th Biennial Conference on Engineering Systems Design and Analysis (ESDA 2002) organized by ASME International Turkey Section, 8-11 July 2002, Istanbul, Turkey.
1. Member of the Organizing Committee for the “Business and Investment Forum for Renewable Energy Sources in the Arab Region” which was organized by Department of Mechanical & Industrial Engineering 12-15 November 2000. I was also the Publication Committee Chair.

c) SERVICE TO THE PUBLIC

16. Awarded a letter of appreciation (on 2 May 2009) from the Institute of Public Administration at the Sultanate of Oman for participation and contribution in the exhibition of the “Environmental Auditing Conference”.
15. Awarded a letter of appreciation (on 14 October 2006) from the Asst. Dean for Industrial Training & Alumni (College of Engineering at SQU) for participation and contribution in the College of Engineering IAESTE program (International Association for the Exchange of Students for Technical Experience) for Summer 2006.
14. Organization of the Training Workshop on Water Conservation Program in the Sultanate of Oman, Muscat, Sultanate of Oman, on 16-18 September 2006, funded by Environment Protection Society (KEPS, Kuwait).
13. Organization of the Training Workshop on the Solvents & Process Agents Sector (CTC and TCA) in Oman to the Ministry of Regional Municipalities, Environment & Water Resources and United Nations Industrial Development Organization (UNIDO), Muscat, Sultanate of Oman, on 10-11 September 2006.
12. Awarded a certificate of appreciation (on May 2006) from the Deanship of Student Affairs at Sultan Qaboos University in the participation and contribution in the Anaerobic activity (activity fitness) for year 2006.
11. Awarded a certificate and letter of appreciation (on 30 April 2006) from the State Council (Secretariat General) on the participation and contribution in presenting a paper in the Symposium Environmental Pollution: Causes and Effects, Sultanate of Oman, 26-27 March 2006, Organized by State Council, Muscat.
10. Awarded a letter of appreciation (on 3 January 2005) from the Vice Chancellor of the SQU for participation and contribution in presenting a Seminar on "Researches and Studies Related to Atmospheric Air Pollution in Muscat" to the Municipal Council (Muscat Municipality), Muscat, Sultanate of Oman, on 13 December 2004.
9. Awarded a certificate and momentum (on October 2004) for judging research projects at the Seventh Arab Student Gathering Conference in the area of “water in the Arab region”, organized by the Arab Council for Training Students of Arab Universities, ACTSAU (Morocco, 5-8 October 2004).
8. Conducted, in cooperation with UNEP, a short course on Basics of Environmental Engineering during 21-23 September 2002. Participants attended the course from the different ministries and private sectors (13 participants), funded by Petroleum Development Oman (PDO).
7. Awarded a letter of appreciation (on 23 June 2002) from the Dean of the College of Engineering on the contributions and management in chairing the College publication/web committee during the academic year 2001-2002.
6. Awarded a certificate and letter of appreciation (on 14 May 2002) from the Dean of the College of Engineering on the participation and contribution in preparing the Strategic Plan for the Department of Mechanical and Industrial Engineering.
5. Awarded a certificate and momentum (on March 2002) on the occasion of judging the 2002 International Environmental Design Competition, organized by the College of Engineering at the UAE (23-26 March 2002).

4. Awarded a certificate of appreciation (on January 2002) from the Vice Chancellor of the Sultan Qaboos University on the occasion of College of Engineering sport day for year 2002.
3. Participated in the review of the environmental laws in the Sultanate carried out by the Assura Council, 2002.
2. Awarded a letter of appreciation (on August 2001) from Barka Power & Desalination Plant for assisting in the recruitment of 5 graduate students from College of Engineering at Sultan Qaboos University.
1. Received acknowledgment from the “Journal of the Air & Waste Management Association” as a reviewer (January issue, volume 51, 2001, index of the Journal).

d) MEDIA/TV INTERVIEWS

- Preparation of the scenario and directing the production of a video film on the College of Engineering at SQU.
- Publication of public and school lectures.
- Publication of booklets.
- Publication of articles in local and University papers.
- Participation in Radio and TV debates on environment and education.
- Invited to Radio program ‘Reading in a Research’.

e) HONORS/MEMBERSHIPS

3. Environment Society of Oman, 2006-present.
2. American Institute of Chemical Engineers, 1999-present.
1. Society of Petroleum Engineers, 1999-present.

f) OTHER ACTIVITIES

- College Sport day, 2009, 2008, 2006, 2004, 2002, 2001, 2000, 1999.
- College Open day, 2007, 2006, 2005, 2002, 1999.

RESEARCH AND SCHOLARLY WORK

SUMMARY:

PAPERS REFEREED

Published/accepted	132
Submitted/Under Review	6

BOOKS AND CHAPTERS IN BOOKS	12
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BOOK REVIEWS	2
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BOOKS AND BOOKLETS IN ARABIC	3
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CONFERENCES/WORKSHOP PROCEEDINGS

Conferences	23
Workshops	12

REPORTS:

Technical	18
Others	6

CONTINUING EDUCATION:

Conference, Short course & Workshop Attendance	22
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RESEARCH INTERESTS

Environmental engineering
Air and water pollution, including modeling
Neural network and statistical analysis
Water desalination
Renewable energy

CITATION SUMMARY:

As of 19 June 2015, Google citations **1775** with h index **20**, and i10-index **46**.

Most cited paper: **Abdul-Wahab S.A.**, Bakheit C.S. and Al-Alawi S.M., "Principal Component and Multiple Regression Analysis in Modelling of Ground-Level Ozone and Factors Affecting its Concentrations", *Environmental Modelling & Software*, 20(10), 1263-1271 (2005). Cited **208** times

6. SCHOLARLY ACHIEVEMENTS

a) PUBLISHED REFEREED JOURNAL PAPERS

132. **Abdul-Wahab S.A.**, Al-Rawas G.A., Ali S. and Al-Dhamri H. "Impact of the Addition of Oil-Based Mud on Carbon Dioxide Emissions in a Cement Plant", *Journal of Cleaner Production*, Article is accepted (June, 2015).
131. **Abdul-Wahab S.**, Elkamel A., Ahmadi L. and Chan K. "Study of SO₂ Dispersion from a Proposed Refinery in Newfoundland and Labrador, Canada", *Sustainable Environment Research*, Article is accepted (June, 2015).
130. Abdul-Wahab S.A., Ahmadi L., Elkamel A., Chan K., Yazdanpanah P., Yetilmezsoy K. "Study of the Dispersion of PM10 in Canada", *Fresenius Environmental Bulletin*, Article is accepted (June, 2015).
129. Ahmadi L., Yazdanpanah P., **Abdul-Wahab S.A.**, Elkamel A., Croiset E., Douglas P.L. and Entchev E. "Effect of Socio-Economic Factors on EVs/ HEVs/PHEVs Adoption Rate in Ontario", *Technological Forecasting and Social Change*, Article is accepted (June, 2015).
128. **Abdul-Wahab S.A.**, En S.C.F., Elkamel A., Ahmadi L. and Yetilmezsoy K. "A Review of Standards and Guidelines Set by International Bodies for the Parameters of Indoor Air Quality", *Atmospheric Pollution Research*, Article in Press (2015).
127. Ahmadi L., Elkamel A., **Abdul-Wahab S.A.**, Pan M., Croiset E., Douglas P.L. and Entchev E. "Multi-Period Optimization Model for Electricity Generation Planning Considering Plug-in Hybrid Electric Vehicle Penetration", *Energies*, 8(5), 3978-4002 (2015).
126. **Abdul-Wahab S.A.**, Charabi Y., Al-Rawas G.A., Al-Maamari R., Gastli A. and Chan K. "Greenhouse Gas (GHG) Emissions in the Sultanate of Oman", *Greenhouse Gases: Science and Technology*, Article in Press (2015).
125. Meriem-Benziane M., **Abdul-Wahab S.A.**, Zahloul H., Babaziane B., Hadj-Meliani M. and Pluvinage G. "Finite Element Analysis of the Integrity of an API X65 Pipeline with a Longitudinal Crack Repaired with Single- and Double-Bonded Composites", *Composites Part B: Engineering*, 77, 431-439 (2015).
124. Al-Adwani S., Elkamel A., Duever T.A., Yetilmezsoy K. and **Abdul-Wahab S.A.** "A Surrogate-Based Optimization Methodology for the Optimal Design of an Air Quality Monitoring Network", *Canadian Journal of Chemical Engineering*, Article in Press (2015).
123. **Abdul-Wahab S.**, Salem N. and Ali S. "Investigation of the Environmental Indicators at the Main Library of Sultan Qaboos University (SQU) in the Sultanate of Oman", *Sustainable Environment Research*, 25(3), 131-139 (2015).
122. **Abdul-Wahab S.A.**, Salem N. and Ali S. "Evaluation of Indoor Air Quality in a Museum (Bait Al Zubair) and Residential Homes", *Indoor and Built Environment*, 24(2), 244-255 (2015).
121. **Abdul-Wahab S.A.**, Fgaier H., Elkamel A. and Chan K. "Air Quality Assessment for the Proposed Miller Braeside Quarry Expansion in Canada: TSP", *Air Quality, Atmosphere and Health*, Article in Press (2014).
120. Obaid J., **Abdul-Wahab S.A.**, Elkamel A. "A Study of the Dispersion of Vinyl Chloride from a Renewable Energy Facility located in Ontario, Canada", *Journal of Renewable and Sustainable Energy*, 6 (6), 063109 (2014).
119. **Abdul-Wahab S.A.** and Fadlallah S.O. "A Study of the Effects of Vehicle Emissions on the Atmosphere of Sultan Qaboos University in Oman", *Atmospheric Environment*, 98, 158-167 (2014).
118. **Abdul-Wahab S.A.**, Lohi A, Yetilmezsoy K., Elkamel A. and Chan K. "Modeling of Formaldehyde and Nitrogen Oxides from a Proposed Renewable Energy Biogas Facility in Canada", *Journal of Renewable and Sustainable Energy*, 6, 043121 (2014).

117. **Abdul-Wahab S.A.**, Obaid J. and Elkamel A. “Modelling of Greenhouse Gas Emissions from the Steady State and Non-Steady State Operations of a Combined Cycle Power Plant Located in Ontario, Canada”, *Fuel*, 136, 103-112 (2014).
116. Yetilmezsoy K. and **Abdul-Wahab S.A.** “A Composite Desirability Function-Based Modeling Approach in Predicting Mass Condensate Flux of Condenser in Seawater Greenhouse”, *Desalination*, 344, 171-180 (2014).
115. Al-Husaini I., **Abdul-Wahab S.**, Ahamad R. and Chan K. “Levels of Cd, Cu, Pb and V in Marine Sediments in the Vicinity of the Single Buoy Moorings (SBM3) at Mina Al Fahal in the Sultanate of Oman”, *Marine Pollution Bulletin*, 83(1), 337-342 (2014).
114. **Abdul-Wahab S.A.**, Chan K., Elkamel A. and Ahmadi L. “Effects of Meteorological Conditions on the Concentration and Dispersion of an Accidental Release of H₂S in Canada”, *Atmospheric Environment*, 82, 316-326 (2014).
113. **Abdul-Wahab S.**, Chan K., Ahmadi L. and Elkamel A. “Impact of Geophysical and Meteorological Conditions on the Dispersion of NO₂ in Canada”, *Air Quality, Atmosphere and Health*, 7(2), 113-129 (2014).
112. Fessehaye M., **Abdul-Wahab S.A.**, Savage M.J., Kohler T., Gherezghiher T. and Hurni H. “Fog-Water Collection for Community Use”, *Renewable and Sustainable Energy Reviews*, 29, 52-62 (2014).
111. **Abdul-Wahab S.A.**, Failaka M.F., Ahmadi L., Elkamel A. and Yetilmezsoy K. “Nonlinear Programming Optimization of Series and Parallel Cyclone Arrangement of NPK Fertilizer Plants”, *Powder Technology*, 264, 203-215 (2014).
110. Meriem-Benziane M., **Abdul-Wahab S.A.**, Merah N. and Babaziane B. “Numerical Analysis of the Performances of Bonded Composite Repair with Adhesive Band in Pipeline API X65”, *Advanced Materials Research*, 875-877, 1101-1105 (2014).
109. Uygur N., Saral A., Yetilmezsoy K., Demir S., Kuzu S.L., Celikten H. and **Abdul-Wahab S.A.** “Flux Potentials of Aerosols and their Spatial Variations in a Coastal Metropolis”, *Atmospheric Science Letters*, 15(3), 227-238 (2014).
108. **Abdul-Wahab S.A.** and Al-Hatmi Y.Y. “Performance Evaluation of an Inverted Absorber Solar Still Integrated with a Refrigeration Cycle and an Inverted Absorber Solar Still”, *Energy for Sustainable Development*, 17, 642-648 (2013).
107. **Abdul-Wahab S.A.**, Al-Husaini I.S. and Rahmalan A. “Using Grouper Fish as Bio-Indicator of Cd, Cu, Pb and V in the Vicinity of a Single Buoy Mooring (SBM3) at Mina Al Fahal in the Sultanate of Oman”, *Bulletin of Environmental Contamination and Toxicology*, 91(6), 684-688 (2013).
106. Tahri T., Douani M., **Abdul-Wahab S.A.**, Amoura M. and Bettahar A. “Simulation of the Vapor Mixture Condensation in the Condenser of Seawater Greenhouse Using two Models”, *Desalination*, 317, 152-159 (2013).
105. Salem N., **Abdul-Wahab S.** and Ali S. “Environmental Assessment in Manuscripts Library and Storages of Semi-Active Record at Sultanate of Oman”, *International Journal of Knowledge Management*, 9(3), 65-81 (2013).
104. Yetilmezsoy K. and **Abdul-Wahab S.A.** “A Prognostic Approach Based on Fuzzy-Logic Methodology to Forecast PM₁₀ Levels in Khaldiya Residential Area, Kuwait”, *Aerosol and Air Quality Research*, 12, 1217-1236 (2012).
103. **Abdul-Wahab Sabah Ahmed** and Marikar Fouzul Ameer. “The Environmental Impact of Gold Mines: Pollution by Heavy Metals”, *Central European Journal Of Engineering*, 2(2), 304-313 (2012).

102. **Abdul-Wahab S.A.**, Sappurd A., Sardar S. and Ifran N. "Impacts on Ambient Air Quality Due to Flaring Activities in One of the Oman's Oilfields", *Archives of Environmental and Occupational Health*, 67(1), 3-14 (2012).
101. **Abdul-Wahab S.A.**, Reddy K.V., Al-Weshahi M.A., Al-Hatmi S. and Tajeldin Y.M. "Development of a Steady-State Mathematical Model for Multistage flash (MSF) Desalination Plant", *International Journal of Energy Research*, 36(6), 710-723 (2012).
100. Meriem-Benziane Madjid, **Abdul-Wahab Sabah A.**, Benaicha Mohamed and Belhadri Mansour. "Investigating the Rheological Properties of Light Crude Oil and the Characteristics of its Emulsions in order to Improve Pipeline Flow", *Fuel*, 95, 97-107 (2012).
99. **Abdul-Wahab S.A.** and Al-Hatmi Yousuf., "Study of the performance of the Inverted Solar Still Integrated with a Refrigeration Cycle", *Procedia Engineering*, 33, 424-434 (2012).
98. Douani M., Tahri T., **Abdul-Wahab S.A.**, Bettahar A., Al-Hinai H. and Al-Mulla Y. "Modeling Heat Exchange in the Condenser of a Seawater Greenhouse in Oman", *Chemical Engineering Communications*, 98, 1579-1593 (2011).
97. **Abdul-Wahab S.A.**, Sappurd A., Sardar S., Ifran N. and Al-Damkhi A. "Evaluating the Performance of an Integrated CALPUFF-MM5 Modeling System for Predicting SO₂ Emission from a Refinery", *Clean Technologies and Environmental Policy*, 13, 841-854 (2011).
96. **Abdul-Wahab S.A.**, Sappurd A. and Al-Damkhi A. "Application of California Puff (CALPUFF) Model: A Case Study for Oman", *Clean Technologies and Environmental Policy*, 13(1), 177-189 (2011).
95. Dev R., **Abdul-Wahab S.A.** and Tiwari G.N. "Performance Study of the Inverted Absorber Solar Still With Water Depth and Total Dissolved Solid", *Applied Energy*, 88(1), 252-264 (2011).
94. **Abdul-Wahab S.A.** "Level of Environmental Awareness towards Depletion of the Ozone Layer among Distributors and Consumers in the Solvent Sector: A Case Study from Oman", *Climatic Change*, 103(3-4), 503-517 (2010).
93. Tahri T., Bettahar A., Douani M., **Abdul-Wahab S.A.**, Al-Hinai H. and Al-Mulla Y. "Utilisation De L'Energie Solaire dans Le Dessalement De L'Eau De Mer dans Une Serre Agricole", *Revue des Sciences Fondamentales et Appliquées*, 2(1), 174-189 (2010).
92. Mahmoudi H., Spahis N., **Abdul-Wahab Sabah A.**, Sablani S.S. and Goosen M.F.A. "Improving the Performance of a Seawater Greenhouse Desalination System by Assessment of Simulation Models for Different Condensers", *Renewable and Sustainable Energy Reviews*, 14 (8), 2182-2188 (2010).
91. **Abdul-Wahab Sabah A.**, Al-Damkhi Ali M., Al-Hinai Hilal, Dev Rahul and Tiwari G.N. "Experimental Study of an Inverted Absorber Solar Still", *Desalination and Water Treatment (DWT)*, 19(3), 249-254 (2010).
90. **Abdul-Wahab S.A.** and Abdo J. "The Effects of Demographic Factors on the Environmental Awareness of Omani Citizens", *Journal of Human and Ecological Risk Assessment*, 16(2), 380-401 (2010).
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b) PAPERS SUBMITTED/UNDER REVIEW

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c) BOOKS AND CHAPTERS IN BOOKS

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3. **Abdul-Wahab S.A.** and others, (editors), “Current and Future Water Conservation in the GCC Countries”, Kuwait Environment Protection Society (KEPS), Book, 2007.
2. **Abdul-Wahab S.A.** and others, (editors), “The Optimized usage of Water in Houses: Housewife Directory”, Kuwait Environment Protection Society (KEPS), Booklet, 2006.
1. **Abdul-Wahab S.A.** and others, (editors), “The Optimized usage of Water: A Directory for Educational Institutions”, Kuwait Environment Protection Society (KEPS), Booklet, 2006.

f) CONFERENCE PROCEEDINGS

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23. Al-Dhamri Hilal, Black Leon, **Abdul-Wahab Sabah A.**, “Oil-Based Mud Cutting as an Additional Raw Material in Clinker Production: The Impact on Phase Composition”, the 14th International Congress on the Chemistry of Cement (ICCC 2015), Beijing, China, 13-16 October 2015.
 22. **Abdul-Wahab S.A.** and Fadlallah S.O., “Modeling of CO, NO_x and CO₂ due to Vehicle Emissions from Sultan Qaboos University in Oman”, The 3rd Technical Conference on Hydraulic Engineering (CHE 2014), Hong Kong, China, 13-14 December 2014.
 21. Salem N.M. and **Abdul-Wahab S.A.**, “Indoor Air Quality of the Storage of Semi-Active Records in Oman”, The 3rd Technical Conference on Hydraulic Engineering (CHE 2014), Hong Kong, China, 13-14 December 2014.
 20. Ahmadi L., Elkamel A., Yazdanpanah P., **Abdul-Wahab S.A.**, Croiset E., Douglas P. L. and Entchev E., “Electricity Generation Planning and Plug-in Hybrid Electric Vehicles: Different Charging Scenarios”, 44th World Chemistry Congress, IUPAC 2013, Istanbul, Turkey, 11-16 August 2013.
 19. **Abdul-Wahab S.A.** and Saghir A., “Investigations of Indoor Air Contaminants in Different Types of Houses and Shopping Centers”, The 2012 4th International Conference on Chemical, Biological and Environmental Engineering (ICBEE), Thailand, 1-2 September 2012.

18. Meriem-Benziane M., **Abdul-Wahab S.A.**, Zahloul H. and Belhadri M., “Experimental Study of Light Crude Oil-Water Emulsions”, Internal Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME 2012), World Academy of Science, Engineering and Technology (WASET), Organized by International University of Science, Engineering and Technology, Stockholm, Sweden, 11-12 July 2012.
17. Meriem-Benziane M., **Abdul-Wahab S.A.**, Douani M. and Belhadri M., “Experimental Study of the Rheological Behaviour of the Algerian Crude Oil”, The 6th International Conference on Thermal Engineering Theory and Applications, Turkey, Istanbul, 29 May-1 June 2012.
16. Fessehaye M., **Abdul-Wahab S.A.**, Savage M.J, Kohler T., Gherezghiher T. and Hurni H., “Testing Fog-Water Collection along the Eastern Escarpment of Eritrea”, International Conference on Research for Development (ICRD 2012), University of Bern, Switzerland, 20-22 August 2012.
15. Tahri T., Douani M., Bettahar A., **Abdul-Wahab S.A.** and Amoura M., “Comparison between Two Models in Predicting the Condensation Vapor Mixture in the Condenser of Seawater Greenhouse”, The 7th International Conference on Computational Heat and Mass Transfer, ICCHMT, Istanbul, Turkey, 18-22 July 2011.
14. Tahri T., Bettahar A., Douani M., **Abdul-Wahab S.A.**, Al-Hinai H. and Al-Mulla Y., “Dessalement Solaire De L'eau de Mer Dans Une Serre: Simulation De La Condensation Et Effets Des Paramètres Opératoires”, *The International Congress for Applied Mechanics*, Marrakesh, Morocco, 5-7 May 2010.
13. **Abdul-Wahab S.A.**, Charabi Y., Al-Abdulsalam M.A., Al-Yahmadi S.A., and Al-Maamari N.S., “Design and Construction of Air Pollution Monitoring Station”, The Environmental Auditing Conference, Organized by Institute of Public Administration and Ministry of Environment and Climate Change, Sultanate of Oman, 19-20 April 2009 (Arabic).
12. **Abdul-Wahab S.A.**, “Environmentally Friendly Projects”, The Environmental Auditing Conference, Organized by Institute of Public Administration and Ministry of Environment and Climate Change, Sultanate of Oman, 19-20 April 2009 (Arabic).
11. Siddiqui R. A., **Abdul-Wahab S.A.**, Pervez T., and Qamar S.Z., “Hydrogen Embrittlement in Low carbon Steel”, The 12th International Research/Expert Conference: in the Development of Machinery and Associated Technology”, TMT 2008, Istanbul, Turkey, 26-30 August 2008.
10. Siddiqui R. A., Qamar S.Z., Pervez T., and **Abdul-Wahab S.A.**, “Hydrogen Embrittlement in 6063 Aluminum Alloy”, The 11th International Research/Expert Conference: Trends in the Development of Machinery and Associated Technology, TMT 2007, Hammamet, Tunisia, 5-9 September 2007.
9. Mahmoudi Hacene, Goosen Mattheus F. A., **Abdul-Wahab Sabah A.**, Sablani Shyam S., and Spahis Nawel, “Hybrid Energy Systems Adapted to the Seawater Greenhouse Desalination Unit Designed for Arid Coastal Countries”, The Arab Regional Solar Energy Conference (AESEC 2006), University of Bahrain, Kingdom of Bahrain, 5-7 November 2006.
8. Siddiqui R. A., Qamar S.Z., Pervez T., and **Abdul-Wahab S.A.**, “Effect of Heat Treatment and Surface Finish on Fatigue Fracture Characteristics in 0.45 % Carbon Steel”, The 10th International Research/Expert Conference: Trends in the Development of Machinery and Associated Technology”, TMT 2006, Barcelona-Lloret de Mar,

Spain, 11-15 September 2006.

7. Siddiqui R.A., Pervez T., **Abdul-Wahab S.A.**, and Qamar S.Z., “Fatigue Resistance Behavior of Aged Harden 6063 Aluminum Alloy in Seawater”, 2nd International Conference on “Advances in Production and Processing of Aluminum” APPA 2005, Bahrain.
6. **Abdul-Wahab S.A.**, “Monitoring of Air Pollutants”, International Conference on Vehicles Alternative Fuel Systems and Environmental Protection (VAFSEP 2004), July 6-9 2004, Organized by Dublin City University, Dublin, Ireland, pp. 98-103 (awarded the VAFSEP2004 Crystal Award for presenting the best paper).
5. **Abdul-Wahab S.A.**, “Analysis of Air Pollution at Oman LNG: Before the Third Train”, Dubai International Conference on Atmospheric Pollution, Organized by Zayed International Prize for the Environment, Dubai, United Arab Emirates, 21-25 February 2004.
4. **Abdul-Wahab S.A.**, “Modelling Methane and Vinyl Chloride in Soil Surrounding Landfills”, Oman International Conference on Waste Management, Ministry of Regional Municipalities, Environment and Water Resources, Muscat, Sultanate of Oman, 16-18 December 2002.
3. **Abdul-Wahab S.A.**, Abu-Arabi M.K., and Zurigat Y.H., “Experimental Study of Liquid Desiccant Air Dehumidifier for Air Conditioning Processes”, 6th Biennial Conference on Engineering Systems Design and Analysis, ESDA 2002, Istanbul Technical University, Istanbul, Turkey, 8-11 July 2002.
2. Al-Alawi S.M., **Abdul-Wahab S.A.**, and Al-Hinai H.A., “Assessment and Evaluation of Factors Affecting Solar Radiation Intensity in Kuwait Using Artificial Neural Networks”, Sharjah Solar Energy Conference, University of Sharjah, 19-22 February 2001.
1. **Abdul-Wahab S.A.**, “Environmental Considerations in Urban Planning”, The Conference on Regional Planning and Development in the Sultanate of Oman, Sultan Qaboos University, Sultanate of Oman, College of Arts, Geography Department, 9-11 October 2000 (Arabic).

g) WORKSHOP/SYMPOSIUM/FORUM PROCEEDINGS

12. **Abdul-Wahab S.A.**, “The Energy and the Air Pollution”, Symposium on Environmental Pollution: Causes and Solutions, Organized by Ibri College of Education, Ibri, Sultanate of Oman, 2-4 April 200 (Arabic).
11. **Abdul-Wahab S.A.**, “Environmental Impacts of the Fossil Fuel: Renewable Energy”, The National Workshop on Renewable Energy and its Applications, Sultan Qaboos University, The Oman National Commission for Education Culture and Science, and ISESCO, Muscat, Sultanate of Oman, 12-14 November 2006 (Arabic).
10. **Abdul-Wahab S.A.**, “How Ozone Depleting Substances Destroy Stratospheric Ozone”, Workshop on Alternatives to Ozone Depleting Substances, Ministry of Regional Municipalities, Environment & Water Resources and United Nations Industrial Development Organization (UNIDO), Muscat, Sultanate of Oman, 10-11 September 2006.
9. **Abdul-Wahab S.A.**, “Results of the Study: Survey of Ozone Depleting Solvents (ODS)

- in Oman in Various Sub-Sectors of Industry”, Workshop on Alternatives to Ozone Depleting Substances, Ministry of Regional Municipalities, Environment & Water Resources and United Nations Industrial Development Organization (UNIDO), Muscat, Sultanate of Oman, 10-11 September 2006.
8. **Abdul-Wahab S.A.**, “Water Conservation Program in the Sultanate of Oman”, Workshop Organized by Kuwait Environment Protection Society (KEPS), Jordan, Amman, 6-11 June 2006 (Arabic).
 7. **Abdul-Wahab S.A.**, “Air Pollution Studies in the Sultanate of Oman”, Symposium Environmental Pollution: Causes and Effects, Sultanate of Oman, Organized by State Council, Muscat, Sultanate of Oman, 26-27 March 2006 (Arabic).
 6. **Abdul-Wahab S.A.**, “Water Conservation Program in the Sultanate of Oman” Workshop Organized by Kuwait Environment Protection Society (KEPS), Kuwait, 24-25 December 2005 (Arabic).
 5. **Abdul-Wahab S.A.**, “Study of the Performance of Structured Liquid Desiccant Air Dehumidifier”, Workshop on Energy Conservation in Buildings, Arab School for Science and Technology (ASST; KFAS), State of Kuwait, 13-17 December 2003.
 4. **Abdul-Wahab S.A.**, “Air pollution: A study from Oman”, Workshop on Geological Parameters for Environmental Protection, UNESCO and College of Science, Department of Earth Science, Muscat, Sultanate of Oman, 10-15 May 2003.
 3. **Abdul-Wahab S.A.**, “Environmental Indicators”, The Workshop on Environmental Indicators in the Sultanate of Oman, College of Arts, Geography Department, Sultan Qaboos University, Sultanate of Oman, 16-17 October 2001.

 2. **Abdul-Wahab S.A.**, “Environment as a Driving Force for Renewable Energy Market”, Business and Investment Forum for Renewable Energy Sources in the Arab Region, Sultan Qaboos University, Sultanate of Oman, College of Engineering, Department of Mechanical & Industrial Engineering, 12-15 November 2000.
 1. El Desouky M., Helail A., **Abdul-Wahab S.A.**, Al Thouwani F. and KHoder B., “Air Pollution Levels in Residential Areas Resulting from Car Emissions in Kuwait”, Proceedings of the Workshop on the Protection of the Environment in the Arab Gulf Countries, Arab Bureau of Education for the Gulf States, Kuwait, 1986 (Arabic).

h) TECHNICAL REPORTS

19. **Abdul-Wahab S.A.**, Verification Audit for the Phase-Out Management Plan (HPMP) of Hydro Chlorofluorocarbons (HCFCs) in Oman, Final Report, Project Number CR/ENG/MIED/14/03, February 2015, Sultan Qaboos University, Sultanate of Oman.
18. **Abdul-Wahab S.A.**, Developing a Report on Phasing-Out the Consumption of Hydro Chlorofluorocarbons (HCFCs) in Oman: Preparation of the HCFC Phase-out Management Plans (HPMPs), Final Report, Project Number AS/ENG/MIED/10/01, March 2011, Sultan Qaboos University, Sultanate of Oman.
17. **Abdul-Wahab S.A.**, Experimental Study of Solar Stills under Oman Climatic Conditions: Inverted Absorber Solar Stills for Production of Fresh Water in Remote Areas, Final Report, Project Number IG/ENG/MIED/08/05, January 2011, Sultan Qaboos University,

Sultanate of Oman.

16. **Abdul-Wahab S.A.**, An Assignment to Verify the Achievements Related to the Implementation of the Terminal Phase Out Management Plan (TPMP) for Chlorofluorocarbons (CFCs) Substances in Oman, Final Report, Project Number AS/ENG/MIED/10/04, September 2010, Sultan Qaboos University, Sultanate of Oman.
15. **Abdul-Wahab S.A.**, Al-Weshahi M., Al-Hatmi S. and Tajeldin Y.M., Performance Evaluation and Optimization of the Barka MSF Desalination Plant, Final Report, Project Number CR/ENG/MIED/09/01, September 2009, Sultan Qaboos University, Sultanate of Oman.
14. **Abdul-Wahab S.A.**, Phasing-out the Consumption of Hydro Chlorofluorocarbons (HCFCs) in Oman: Preparation of the HCFC Phase-Out Management Plans (HPMPs), Final Report, Project Number AS/ENG/MIED/08/01, February 2009, Sultan Qaboos University, Sultanate of Oman.
13. **Abdul-Wahab S.A.**, Al-Hinai H.A. and Al Najar K.A., Feasibility Study of Fog Water Collection in Al-Khareef Season in Dhofar Region, Final Report, Project Number IG/ENG/MIED/05/02, January 2008, Sultan Qaboos University, Sultanate of Oman.
12. **Abdul-Wahab S.A.**, Level of Environmental Awareness in the Sultanate of Oman towards the Depletion of Ozone Layer among Public and ODS Distributors & Consumers in the Solvent Sector, Final Report, Project Number AS/ENG/MIED/06/03, March 2007, Sultan Qaboos University, Sultanate of Oman.
11. **Abdul-Wahab S.A.**, Survey of Ozone Depleting Solvents (ODS) in Oman in Various Sub-Sectors of Industry, Final Report submitted to United Nations Industrial Development Organization (UNIDO), SQU Project Number AS/ENG/MIED/06/01, 22 March 2006, Sultan Qaboos University, Sultanate of Oman.
10. **Abdul-Wahab S.A.**, Al-Uraimi M., Al-Saifi S., Al-Wahaibi S. and Abdulraheem M.Y., Elevated Inversion Layers and Al-Kareef Season in Salalah, Final Report, Project Number IG/ENG/MIED/03/02, December 2005, Sultan Qaboos University, Sultanate of Oman.
9. Al-Maamari R., Houache O. and **Abdul-Wahab S.A.**, Abnormal Viscosity Behaviour of Mukhaizna Crude at Elevated Temperature Compared to Crude of Similar API, Final Report submitted to Petroleum Development of Oman (PDO), Project contract No. 2004-75, November 2004, SQU Project Code: CR/ENG/PCED/04/02, Sultan Qaboos University, Sultanate of Oman.
8. Zurigat Y.H., Dawoud B., Al-Shihabi A., **Abdul-Wahab S.A.**, Seibi A., Bradley D. and Hammad M., Modeling and Economic Assessments of Gas Turbine Inlet Air Cooling Techniques and Exhaust Gas Energy Utilization for Inlet Air Pre-Cooling and/or Cogeneration, Final Report submitted to Petroleum Development of Oman (PDO), Project contract No. 2002-52, November 2003, SQU Project Code: CR/ENG/MIED/03/01, Sultan Qaboos University, Sultanate of Oman.
7. **Abdul-Wahab S.A.**, Zurigat Y.H. and Abu-Arabi M.K., Experimental Study of Liquid Desiccant Dehumidifier, Final Report, January 2003, Sultan Qaboos University, Sultanate of Oman.
6. Bouhamra W. and **Abdul-Wahab S.A.**, Using Modem to Transfer Pollution Data from the Mobile Laboratory to Kuwait University Land, Kuwait University, 1995 (Arabic), Kuwait.
5. Level of Carbon Monoxide (CO) in the Urban Area in Kuwait, Environmental Protection Department, Ministry of Public Health, 1988, Kuwait (Group work).
4. Pollution by Exhaust Gases in the Residential Areas, Kuwait, Environmental Protection

- Department, Ministry of Public Health, 1987, Kuwait (Group work).
3. Level of Nitrogen dioxide in the Urban Areas, Environmental Protection Department, Ministry of Public Health, 1987, Kuwait (Group work).
 2. Study of Hydrogen Sulfide in the Urban Area, Environmental Protection Department, Ministry of Public Health, 1986, Kuwait (Group work).
 1. El Desouky M. and **Abdul-Wahab S.A.**, Ground Based Thermal Inversion in Kuwait, Environmental Protection Department, Ministry of Public Health, 1985, Kuwait.

i) EDITED PROSPECTUS/REPORTS

8. **Abdul-Wahab S.A** and others, Prospectus of the College of Engineering at SQU, College of Engineering, Sultan Qaboos University, February 2015, Oman.
7. **Abdul-Wahab S.A** and others, College Annual Report 2014, College of Engineering, Sultan Qaboos University, May 2015, Oman.
6. **Abdul-Wahab S.A** and others, Prospectus of the College of Engineering at SQU, College of Engineering, Sultan Qaboos University, February 2006, Oman.
5. **Abdul-Wahab S.A** and others, Catalogue of the College of Engineering at SQU, College of Engineering, Sultan Qaboos University, February 2006, Oman.
4. **Abdul-Wahab S.A** and others, College Annual Report, College of Engineering, Sultan Qaboos University, January 2006, Oman.
3. **Abdul-Wahab S.A** and others, Prospectus of the College of Engineering at SQU, College of Engineering, Sultan Qaboos University, April 2002, Oman.
2. **Abdul-Wahab S.A**, Departmental Annual Report, College of Engineering, Sultan Qaboos University, 2001, Oman.
1. **Abdul-Wahab S.A**, Departmental Annual Report, College of Engineering, Sultan Qaboos University, 2000, Oman.

j) CONFERENCE, FORUM, SHORT COURSE & WORKSHOP ATTENDANCE

22. Preparing Engineers for a Globalized Economy: How to Teach Engineering Students Process Skills, 26-28 May 2015, College of Engineering, Sultan Qaboos University, Sultanate of Oman (The presenter is Prof. Nikos J. Mourtos).
21. Program Assessment Workshop (ABET), 14-15 February 2012, College of Engineering, Sultan Qaboos University, Sultanate of Oman.
20. Seventh Annual Meeting of Science and Technology in Society (STS) Forum, 3-5 October 2010, Kyoto, Japan.
19. Brine Discharge Management: Environmental Planning, Prediction and Management of Brine Discharges from Desalination Plants, Organized by Middle East Desalination Research (MEDRC), 3-4 November 2008, Muscat, Sultanate of Oman.
18. CALPUFF training course, TRC Environmental Corporation, 28 October through November 1 2007, Dubai.
17. Austrian Trade Delegation, company presentations to demonstrate the applications of renewable energy sources and their applications, Organized by Oman Chamber of Commerce and Industry, 3-4 December 2006, Sultanate of Oman.

16. Priority Setting Workshop, Water Research Center, 13 November, 2005, Sultan Qaboos University, Sultanate of Oman.
15. Preservation of Environmental and Water Resources amid Economic Development, Organized by Sultan Qaboos University (SQU) with Japan Cooperation Center Petroleum (JCCP), Second Oman-Japan Joint Symposium, 6-8 February 2005, Muscat, Sultanate of Oman.
14. Thermal Desalination Processes: Fundamentals and Practice, Sponsored by Middle East Desalination Research Center in cooperation with Water Research Center at Sultan Qaboos University, 5-9 February 2005, Muscat, Sultanate of Oman.
13. College of Engineering HSE Workshop, Organized by Sultan Qaboos University (SQU), College of Engineering Health & Safety Committee (HSE), 16-18 January 2005, Muscat, Sultanate of Oman.
12. Operation and Maintenance in RO Plants Sponsored by Middle East Desalination Research Center in cooperation with Water Research Center at Sultan Qaboos University, 10-13 January 2005, Muscat, Sultanate of Oman.
11. Membrane Technology in Drinking & Industrial Water Treatment, Principles, Design & Applications, Sponsored by Middle East Desalination Research Center in cooperation with Water Research Center at Sultan Qaboos University and UNESCO-IHE (Institute for Water Education), 17-21 January 2004, Muscat, Sultanate of Oman.
10. Using WebCT, 10-14 January 2004, Center for Educational Technology, Sultan Qaboos University, Muscat, Sultanate of Oman.
9. The First Meeting of the Businesswomen in Gulf Cooperation Council Countries, 23-24 December 2003, Oman Chamber of Commerce and Industry, Grand Hayat Muscat, Muscat, Sultanate of Oman.
8. SQU/ PDO Water Research Workshop, Tuesday, 30 September 2003, Sultan Qaboos University, Muscat, Sultanate of Oman.
7. Thermal Desalination Process, Principles, Design & Applications, Sponsored by Middle East Desalination Research Center, 13-17 September 2003, Muscat, Sultanate of Oman.
6. Workshop on Electrical Safety, SQU, Department of Electrical & Computer Engineering, Sultan Qaboos University, 26 March 2003, Sultanate of Oman.
5. Workshop on Energy Efficient Buildings in Hot Climates: Concept Development, organized by Jubran, B., Al-Hinai, H. and Zurigat, Y.H, Department of Mechanical & Industrial Engineering, Sultan Qaboos University, 12-15 June 2001, Sultanate of Oman.
4. ERGOMAS 4.21 Software, Sultan Qaboos University, Department of Mechanical & Industrial Engineering, 26-30 May 2001, Sultanate of Oman.
3. CHAM's Phoenics CFD Software, Sultan Qaboos University, Department of Mechanical & Industrial Engineering, 22-25 November 2000, Sultanate of Oman.
2. Assessment and Remediation of Petroleum Spills, Oil Spill Committee Workshop, PDO, 18-22 November 2000, Muscat, Sultanate of Oman.
1. Geoenvironment 2000, Sultan Qaboos University, Department of Civil Engineering, 4-7 March 2000, Sultanate of Oman.

k) FUNDING GRANT AND CONTRACT SUPPORT

Grants

NO.	Title of the Project	Research Team	Starting Date	Completion Date	Amount USD (RO)
6.	Environmental Assessment Study: Monitoring and Assessment of Sick Building Syndrome Indicators SQU Internal Fund IG/ENG/MIED/11/04	Abdul-Wahab S.A.	January 2011	January 2013	11,310 USD (4,350 RO)
5.	Urban Climate and Air Pollution in Muscat: Multi-Scale Approaches. (SQU H.M. Research Fund)	Charani Y. (P.I) Abdul-Wahab S.A. (Co-Investigator)	May 2007	May 2010	153,400 USD (59,000 RO)
4.	Experimental Study of Solar Stills under Oman Climatic Conditions: Inverted Absorber Solar Stills for Production of Fresh Water in Remote Areas. (SQU Internal Fund)	Abdul-Wahab S.A.	January 2008	January 2010	15,041 USD (5,785 RO)
3.	Feasibility Study of Fog Water Collection in Al-Kareef Season in Dhofar Region. SQU Internal Fund	Abdul-Wahab S. A. (P.I.) Al-Hinai H.A. Al Najar K.A.	January 2005	January 2007	20,280 USD (7,800 RO)
2.	Elevated Inversion Layers and Al Kareef Season in Salalah. (SQU Internal Fund)	Abdul-Wahab S.A. (P.I.) Al-Uraimi M. Al-Saifi S. Al-Wahabi S. Abdulraheem M. (project Advisor)	January 2003	January 2005	11,895 USD (4,575 RO)
1.	Experimental Study of Liquid Desiccant Air Dehumidifier for Air Conditioning Processes. (SQU Internal Fund)	Abdul-Wahab S.A. (P.I.) Zurigat Y. Abu-Arabi M.	September 2000	September 2002	21,731 USD (8,358 RO)
				Subtotal	233,657 USD (89,868 RO)

Contracts & Support Services

No	Title	Agency	Research Team	Amount USD (RO)
14.	Oman's National Strategy for Adaptation and Mitigation of Climate Change (National Climate Affairs Management Strategy for the Sultanate of Oman) December 2014 (duration 2014-2017) SQU Project Code: CR/AR/GEOG/14/01	Ministry of Environment and Climate Affairs	Dr. Yassine Charabi (P.I.) Abdul-Wahab S.A. (Co-Investigator)	1,900,000 USD (748,000 RO)
13.	Verification audit for the Phase-out Management Plan (HPMP) of hydro chlorofluorocarbons (HCFCs) in Oman September 2014 SQU Project Code: CR/ENG/MIED/14/03	United Nations Industrial Development Organization (UNIDO)	Abdul-Wahab S.A.	16,500 USD (6,345 RO)
12.	Oman Initial National Communication to UNFCCC 2012	United Nations Environment Programme (UNEP)	Gastli A (P.I.) Abdul-Wahab S.A. (Co-Investigator)	104,000 USD (40,000 RO)
11.	An Assignment to Verify the Achievements Related to the Implementation of the Terminal Phase Out Management Plan (TPMP) for Chlorofluorocarbons (CFCs) Substances in Oman SQU Project Code: AS/ENG/MIED/10/04	United Nations Industrial Development Organization (UNIDO)	Abdul-Wahab S.A.	9,200 USD (3,538 RO)
10.	Developing a Report on Phasing-Out the Consumption of Hydro Chlorofluorocarbons (HCFCs) in Oman: Preparation of the HCFC Phase-Out Management Plan (HPMPs) AS/ENG/MIED/10/01	United Nations Environment Programme (UNEP)	Abdul-Wahab S.A.	24,000 USD (9,230 RO)
9.	SQU Eco-House, 2009-2012 Proposal Requested by H.E. The Vice Chancellor	SQU + PDO + Khimji Ramdas	Renewable and Sustainable Energy Research Group (RASERG)	324,000 USD (124,615 RO)

PI: A. Gastli
 Co-I: **Abdul-Wahab S.A.**,
 A. Al-Badi, A. Chaaban, M.
 Baawain, and others

8.	Performance Evaluation and Optimization of the Barka MSF Desalination Plant, 2009. SQU Project Code: CR/ENG/MIED/09/01	The Middle East Desalination Research Center (MEDRC)	Abdul-Wahab S.A.	40,000 USD (15,384 RO)
7.	Phasing-out the Consumption of Hydro Chlorofluorocarbons (HCFCs) in Oman: Preparation of the HCFC Phase-Out Management Plans (HPMPs), 2008. SQU Project Code: AS/ENG/MIED/08/01	United Nations Industrial Development Organization (UNIDO)	Abdul-Wahab S.A.	13,800 USD (5,299 RO)
6.	Solvents and Process Agents Sector (CTC and TCA) in Oman, 2006. SQU Project Code: AS/ENG/MIED/06/02	United Nations Industrial Development Organization (UNIDO)	Abdul-Wahab S.A.	1,664 USD (640 RO)
5.	Survey of Ozone Depleting Solvents (ODS) in Oman in Various Sub-sectors of Industry, 2006. SQU Project Code: AS/ENG/MIED/06/01	United Nations Industrial Development Organization (UNIDO)	Abdul-Wahab S.A.	9,200 USD (3,539 RO)
4.	Water Conservation Program in the GCC Countries, 2005. SQU Project Code: AS/ENG/MIED/05/02	Kuwait Environment Protection Society	Abdul-Wahab S.A.	3,000 USD (1154 RO)
3.	Implementation Plan for Revision and Updating of Existing Regulation and Legislation on Control and Monitoring of ODS, 2004. SQU Project Code: AS/ENG/MIED/04/01	Ministry of Regional Municipalities, Environment & Water Resources	Abdul-Wahab S.A.	3,000 USD (1154 RO)
2.	Abnormal Viscosity Behaviour of Mukhaizna Crude at Elevated Temperature Compared to Crude of Similar API, 2004. SQU Project Code:	PDO	Al-Maamari R.S. (P.I.) Haouache O. Abdul-Wahab S.A. (Co-Investigator)	41,756 USD (16,060 RO)

CR/ENG/PCED/04/02

1.	Modelling and Economic Assessments of Gas Turbine Exhaust Gas Energy Utilization for Inlet Air Precooling and/or Cogeneration, 2003. SQU Project Code: CR/ENG/MIED/03/01	PDO	Zurigat Y. (P.I.) Abdul-Wahab S.A. (Co-Investigator)	59,592 USD (22,920 RO)
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Subtotal 2,549,685 USD
(997,879 RO)

Sponsorship Income

No.	Title	Agency	Research Team	Amount USD (RO)
1.	Business and Investment Forum for Renewable Energy Sources in the Arab Region, 12-15 November 2000. - Publication Committee, Chair - Organizing Committee, Member - Proceedings, First Editor	UNESCO PDO MEDRC	SQU UNESCO	45,000 USD (17,308 RO)
Subtotal				45,000 USD (17,308 RO)

Short course Income

No.	Name of Instructors	Agency	Short course title	Time	Amount USD (RO)
1.	Abdul-Wahab S.A. Abdulraheem M.	PDO	Basics of Environmental Engineering SQU Project Code: SC/ENG/MIE/02/01	September 21-23, 2002	11,440 USD (4,400 RO)
Subtotal					11,440 USD (4,400 RO)