

CURRICULUM VITA

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Education

Ph. D. (1987) Boston University, MA, (Joint with University of California, Berkeley) USA
M. Sc. (1982) Cairo University, Cairo, Egypt
B. Sc. (1977) Cairo University, Cairo, Egypt
Post-Doctoral University of California (UC), Berkeley, USA (1987- 1988)
Fellowships: British Council; University of Dundee (the summers of 1994)

The summer of 2005 University of Texas A& M, College Station, TX, USA

Summers of 2007, University of Pennsylvania, PA, USA
2008, 2009 and
2010
Summer of 2011 & Cornell University, Ithaca, NY, USA
2012

Administrative Experience:

Sept. 2004 – Aug. 2008: Associate Dean for “Academic Programs”, College of Arts & Sciences, Qatar University.

- Headed the College of Arts& Sciences strategic planning committee and membered of QU strategic planning committee. I experienced strategic planning capabilities via contribution to several workshops inside and outside Qatar (I attended and lectured in several workshops organized by the American Council of College Of Arts & Sciences (CCAS) during the years 2005 to 2008).
- I was leading the accreditation process in several programs; Biomedical Science, Chemistry, Statistics, Human Nutrition and Mass Communication. Biomedical Science, and Chemistry Programs were successfully granted international accreditation during my term in the administration, from NAACLS & CSC. I was also responsible for reviewing programs (English, Arabic languages, Geography, Urban Planning, History and Information Science).
- I leaded the effort to initiate and establish the “International Affairs Program” in 2006. I also leaded the process of founding the “College of Pharmacy” at QU.

Academic Experience

2000 – present	Professor of Physical Chemistry, Qatar University, Qatar
1999 – 2000	Professor of Physical Chemistry, Cairo University, Egypt
1996 – 1999	Assistant professor, Cairo University, Egypt
1993 – 1996	Assistant professor, UAE University, UAE
1991 – 1993	Lecturer, UAE University, UAE
1988 – 1991	Lecturer, Cairo University, Egypt
1982 – 1985	Teaching assistant, Boston University, USA
1982 – 1983	Assistant lecturer, Cairo University, Egypt
1980 – 1982	Teaching assistant, Cairo University, Egypt

Committees

International level:

- Member of the “Council of Colleges of Arts & Sciences, CCAS” during the years 2006 to 2008. This is an America Association that holds annual meetings for

Deans and Associate Deans of Colleges of Arts & Sciences.

Qatar University level:

- Member of the working group, QU Strategic Planning Committee, Feb. 2009-Jan. 2010
- Member of the curriculum committee for preparation of QU for SACS (Southern Association of College and Schools) accreditation, October 2008 – June 2010.

College Level:

- Coordinator, CAS Strategic Planning Committee, 2005 –2007
- Member, CAS Budget Preparation Committee, 2005 –2007
- Member, CAS Recruitment Committee, 2005 - 2010
- Member, CAS Search Committee for Qatar Shell Chair for Sustainable Development, 2006-2008.
- Coordinator, CAS Accreditation committee.

Services to Community:

- Represented with others QU and CAS in the “Supreme Council of Planning” in the strategic planning committee that drew Qatar National Vision 2030.
- Member, Review Committee for Primary Resources for Teaching Science/Chemistry, Secondary Education Council, **Feb. 2012, Doha, Qatar.**

Courses Taught

- Physical Chemistry Courses (Surface Chemistry, Catalysis , Colloids, Chemical Thermodynamics, Statistical Thermodynamics, Chemical Kinetics, Electrochemistry, Quantum Mechanics)
- Solid State Chemistry
- Environmental Chemistry
- General Chemistry

Research Experience

- ❖ **Surface Science**
March 1984 – Dec. 1988 at **UC Berkeley,**

California

(From March 1984 to Dec. 1987 working in my PhD in a joint program with Boston University, Jan 1988 to Dec 1988 as a post-doctoral, Supervisor: Prof. **G. A. Somorjai**).

Used modern surface science techniques in ultra-high vacuum (AES, LEED, TDS and XPS) to study:

- The interaction of water with iron oxide films on Pt foil or single crystal substrates,
- Structure of iron oxide over layers on Pt(111)
- The surface stoichiometry of these films.
- XPS investigation of GaAs surface sulfidation (**Qatar University 2010 To date**).
- XPS, AES, UPS and ISS to study various solid/gas phase catalytic reactions.

❖ **In the summer of 2005, worked with Prof. W. Goodman at Texas A& M on the catalytic synthesis of benzene by trimerization of acetylene.**

❖ Catalysis

- Core shell Pd@CeO₂ catalysis for methane oxidation (Current, GPC, QU).
- Solution combustion Pd/CeO₂ catalysts for methane oxidation (Current, GPC, QU).
- Steam reforming catalysis on Ni/Al₂O₃ (Current, GPC, QU).
- CO₂ capturing and conversion (Current, GPC, QU).
- High temperature and high pressure catalytic reduction of CO and H₂ (**University Dundee, U. K. 1994**).
- Preparation and surface characterization of V₂O₅/Al₂O₃ catalyst, FTIR and TDS studies (**UAE University 1993-1996**).
- Studied photoassisted decomposition of H₂O to H₂ and O₂ using different semiconductor electrodes (**Boston University, UAE University Cairo University and Qatar University, 1983 – To date**).
- Studied the catalytic oxidation of natural gas using a core shell catalyst of Pd/CeO₂ (**U. Pennsylvania, the Summer of 2010 and QU To date**).

❖ **Solid State Chemistry**ometric titration technique.

- Used “in situ” electrical conductivity, XRD and SEM to study the kinetics of reduction and oxidation of transition metal oxides and the adsorption processes (**Cairo university, 1989-1992 and 1996- 2000**).

❖ **Thermodynamics**

Use coulometric measurements to study thermodynamic parameters of

solids oxides during oxidation-reduction (**University of Pennsylvania at Philadelphia, the summer 2007, 2008, 2009 and 2010 and QU To date**).

❖ **Nanocomposites**

Manufacture and characterize polymeric-clay nanocomposite materials for application as a drilling fluid for oil and gas exploration (**In collaboration with Prof. P. Coveney at UCL, UK), 2011 Qatar University To date**).

❖ **Environmental Chemistry**

CO₂ capture by solid sorbents based on amines immobilized in porous nanoparticles (**Cornell University at Ithaca, NY with Prof. Emmanuel Jianilis, the Summer of 2012 and QU, To date**).

Awarded Research Grants:

1. NPRP9-313-2-135 (Sensing, characterization and mitigation strategies for surface coking in natural gas and oil processing) The project has started in August 19, 2016. It is \$900, 000 in collaboration with the Dept of Electrical Eng, QU and UCL, UK.
2. NPRP 6- 290-1-059 (The Development of Core-Shell, Methane-Oxidation Catalysts) (30 November 2013 to 29 November 2016) the project has received **\$1,050,000** fund.
3. NPRP 5 – 1437 – 1 243 (Robust solid sorbents for CO₂ capture and conversion) (15 November 2012 to 14 November 2015), the project has received **\$1,030,000** fund.
4. NPRP 5 – 968 – 2 -403 “Comprehensive investigation and development of silicon nanowire based photovoltaic technology” (15 November 2012 to 14 November 2015), the project has received **\$1,050,000** fund.
5. NPRP 09 - 260 - 1 – 048 From Fundamental Understanding to Predictive Design of Layered Nanomaterials, in collaboration with Prof. Peter Coveney at UCL, UK and Prof. M. Ghoul at the AUB. The project started on December, 1, 2010 and ends on November, 30, 2013. The project fund is **one million and fifty thousand US \$**.
6. NPRP 28-6-7-32 (Activation studies with cobalt catalysts for gas- solid-to-liquid conversion) Collaborating with Dr. Dragomir Bukur at TA&MU-Q. This was a three years project that has started on May 28th 2008 and ended at May 27th 2011. The project fund was **\$750,000**.
7. UREP 07 - 006 - 1 – 002 Solar Energy Conversion Using Gallium Arsenide Electrodes, Fall 2010, funded by **\$30,000**.
8. United Arab University at Ain, a research project on solar energy conversion. The project was funded by **\$50,000**. The project was extended from January 94 to December 1995.

Publications

1. Matteo Monai, Tiziano Montini, Michele Melchionna, Tomáš Duchoň, Peter Kúš, Chen Chen, Nataliya Tsud, Lucia Nasi, Kevin Prince, Kateřina Veltruská, Vladimír Matolin, **Mahmoud M. Khader**, Raymond J. Gorte, Paolo Fornasiero "The effect of sulfur dioxide on the activity of hierarchical Pd-based catalysts in methane combustion", accepted for publication in Applied Catalysis B in 5/9/2016.
2. Sardar Ali, Mohammed J. Almarri, Ahmed G. Abdelmoneim, Anand Kumar, **Mahmoud M. Khader**, Catalytic evaluation of nickel nanoparticles in methane steam reforming, accepted for publication in the Int. J. Hyd. Energy on August 27th, 2016.
3. Anand Kumar, Rahul R. Bhosale, Sarah S. Malik, Aya E. Abusrafa, Mohd Ali H. Saleh, Ujjal Kumar Ghosh, Mohammed J. Al-Marri, Fares A. Almomani, **Mahmoud M. Khader**, Ibrahim M. Abu-Reesh, "Thermodynamic investigation of hydrogen enrichment and carbon suppression using chemical additives in ethanol dry reforming", Int. J. Hyd. Energy, Volume 41, Issue 34, 14 September 2016, Pages 15149–15157.
4. Anchu Ashok, AnandKumar, RahulR.Bhosale, MohdAliH.Saleh, Ujjal KumarGhosh, MohammedAl-Marri, FaresA.Almomani, **Mahmoud M.Khader**, FarisTarlochan "Cobalt oxide nanopowder synthesis using cellulose assisted combustion technique", Ceramics International42(2016)12771–12777.
5. Anand Kumar, Anchu Ashok, Rahul R. Bhosale, Mohd Ali H. Saleh, Fares A. Almomani, Mohammed Al-Marri, **Mahmoud M. Khader** "In situ DRIFTS Studies on Cu, Ni and CuNi catalysts for Ethanol Dehydrogenation Reaction" Catal Lett (2016) 146:778–787, DOI 10.1007/s10562-016-1706-9.
6. Golam Rabbani, Amit Verma, Reza Nekovei, **Mahmoud M. Khader**, Anantram Patent entitled "PHOTODETECTOR CELL AND SOLAR PANEL WITH DUAL METAL CONTACTS AND RELATED METHODS" U.S. Patent, ADDMG FILE NO. 0124551, Application Serial No. 14/972,693, filed December 17, 2015.
7. Aditya C.S. Ratcha, Amit Verma, Reza Nekovei, **Mahmoud M. Khader**, Patent entitled "HETEROJUNCTION SCHOTTKY GATE BIPOLAR TRANSISTOR" . Patent Application No. 15/149,979, Filled in May 9, 2016. (2015-071).
8. Tzia Ming Onn, Lisandra Arroyo-Ramirez, Matteo Monai, Tae-sik Oh, Meghavi Talati, Paolo Fornasiero, Raymond J. Gorte, **Mahmoud M. Khader**, Modification of a Pd/CeO₂ catalyst by ALD of ZrO₂, Applied Catalysis B: Environmental 197 (2016) 280–285 .
9. Walid M. I. Hassan, M. P. Anantram, Reza Nekovei, **Mahmoud M. Khader**, Amit Verma, Optical absorption spectra of pristine and doped silicon nanostructures: A TDDFT study, Solar Energy 126 (2016) 44–52.
10. Rabbani, Md; Patil, Sunil; Verma, Amit; Villarreal, Julian; Korgel, Brian; Nekovei, Reza; **Khader, Mahmoud**; Darling, Robert; Anantram "Zero-bias photocurrents in highly-disordered networks of Ge and Si nanowires" , Nanotechnology 27 (2016) 045201 (9pp) doi:10.1088/0957-4484/27/4/045201.
11. J. L. Suter, L. Kabalan, **M. Khader**, P. V. Coveney, "Ab initio molecular dynamics study of the interlayer and micropore structure of aqueous montmorillonite clays", Geochimica et

12. M. J. Al-Marri, M. S. Masoud, A. M. G. Nassar, M. M. Zagho, **M. M. Khader**, Synthesis and characterization of Poly (vinyl alcohol) - Cloisite® 20A nanocomposites, JOURNAL OF VINYL & ADDITIVE TECHNOLOGY—2015.
13. M. J. Al-Marri, **M. M. Khader**, M. Tawfik, G. Qi, and E. P. Giannelis, CO₂ Sorption Kinetics of Scaled-Up Polyethylenimine-Functionalized Mesoporous Silica Sorbent, Langmuir, 2015, 31, 3569–3576.
14. **M. M. Khader**, M. J. Al-Marri, Sardar Ali, G. Qi, E. P. Giannelis, Adsorption of CO₂ on Polyethyleneimine 10k—*Mesoporous silica* Sorbent: XPS and TGA Studies, American Journal of Analytical Chemistry, **2015, 6, 274-284**.
15. G. M. **Rabbani**; A. Verma, A. ; R. Nekovei ; **M. M. Khader** and M. P. Anantram, Simulation study of Schottky contact based single Si wire solar cell, Published in Photovoltaic Specialist Conference (PVSC), 2014 IEEE 40th , Date of Conference: 8-13 June 2014 , Page(s): 2896 – 2899. INSPEC Accession Number: 14683487, Conference Location : Denver, CO , DOI: 10.1109/PVSC.2014.6925537 , Publisher: IEEE
16. Walid M. I. Hassan, Amit Verma, Reza Nekovei, **Mahmoud M. Khader** and M. P. Anantram, EFFECT OF THE LENGTH OF SILICON NANODOT/WIRE ON BAND GAP, Proceedings of the 14th IEEE International Conference on Nanotechnology, Toronto, Canada, August 18-21, 2014. 978-1-4799-5622-7/\$31.00 ©2014, Pages 373-376, publisher IEEE. (<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6968131&tag=1>).
17. M.J. Al-Marri, **M.M. Khader**, E.P. Giannelis, M.F. Shibl, Optimization of selection of chain amine scrubbers for CO₂ capture, Journal of Molecular Modeling 20 (2014) 2518.
18. M. J. Al-Marri, E. M. Fayyad and A. Hassan and **M M Khader**, Mechanism of GaAs Surface Sulfidation, Int. J. Electrochem Soc. , 9 (2014) 7287-7299.
19. M. Golam **Rabbani**, Amit Verma, Michael M. Adachi, Jency P. Sundararajan, **Mahmoud M. Khader**, Reza Nekovei, M.P. Anantram, *Solar Energy Materials and Solar Cells, Volume 130, November 2014, Pages 456-465* (DOI: 10.1016/j.solmat.2014.07.015).
20. Daryoush Shiri, Amit Verma, and **Mahmoud M. Khader**, Photoconductive response of strained silicon nanowires: A Monte Carlo study, Journal of Applied Physics 115, 133708 (2014); doi: 10.1063/1.4870466
21. Mohamed H. M. Ali, **Mohamoud M. Kahder**, Khalid A. Al-Saad, Saeed Al-Meer, Q Science Connect, 1 (2013) 1 – 11).
22. M. Ali Hosni, **M. M. Khader**, Qatar Foundation Annual Research Forum Proceedings: Vol.2012,EEP2. DOI:10.5339/qfarf.2012.EEP2 Published online: 19 Oct 2012.
23. **Mahmoud M. Khader** and Amina S. Algaber, Appl. Surf. Sc., 258, 1, (2011) 68-75.
24. **M. Khader** and Amina S. Algaber, Corrosion Engineering, Science and Technology 45 (2010)449 - 454.
25. Parag R. Shah, **Mahmoud M. Khader**, John M. Vohs and Raymond J. Gorte, *J. Phys. Chem. C* **2008, 112**, 2613-2617.
26. S. Y. Alqaradawi, E. Al Nemma and **M. M. Khader**, Int J Adhesion & Adhesives 24 (2004) 219 - 227.
27. S. Y. Alqaradawi, A. S. Algaber and **M. M. Khader**, Thin Solid Films 444 (2003)

282-292.

28. HA AL-MADFA, **M. M. KHADER**, MA MORRIS International journal of chemical kinetics 36:55,(2004) 293-301..
29. H. Al Madfa, **M. M. Khader**, Materials Chem and Phys 86(1) (2004) 180-188.
30. **M. M. Khader**, M. M. Saleh and A. M. Mahmoud, Ads. Sc.& Tech. 17 (1999) 261-275.
31. **M. M. Khader** and M. M. Saleh, Thin Solid Films, 349 (1999) 165 – 173.
32. **M. M. Khader**, M. M. Saleh, A. M. Mohammad, Ads. Sc.& Tech. 16 (1998) 503-520.
33. **M. M. Khader**, M. M. Saleh and E. M. El-Naggar, J. Solid State Electrochem., 2, (1998) 170-179.
34. J. A. Anderson and **M. M. Khader** “An *in situ* infrared study of hydrogenation of CO over Rh/ZrO₂” Microchim. Acta, 14, (1997) 363--366.
35. M. H. Abd-Elhamid, **M. M. Khader**, A. E. Mahgoub, B. E. El-Anadouli and B. G. Ateya, J. Solid State Chem. 123 (1996) 249-254.
36. **M. M. Khader**, Langmuir, 12, 1056 (1996) 1056-1060.
37. J. A. Anderson and **M. M. Khader**, J. Mol. Catal. A, 105 (1996) 175-183.
38. **M. M. Khader**, J. Mol. Catal. A, 104 (1995) 87-94.
39. **M. M. Khader**, British Corrosion Jr, 30 (1995) 221-225.
40. **M. M. Khader**, M. M. Hannout and M. S. El-Dessouki, Int. J. Hydrogen Energy, 21, (1996) 547-553.
41. **M. M. Khader**, M. M. Hannout and M. S. El-Dessouki, Int. J. Hydrogen Energy, 18 (1993) 921-924.
42. **M. M. Khader**, F. M. El-Kheiri, B. E. El-Anadouli and B. G. Ateya, J. Phys. Chem. 97 (1993) 6074- 6081.
43. **M. M. Khader**, B. E. El-Anadouli, F. M. N. Khairi and E. El-Naggar, J. Indian Chem. Soc. 69 (1992) 656-659.
44. **M. M. Khader**, M. M. Hannout and M. S. El-Dessouki, Int. J. Hydrogen Energy, 16 (1991) 797-823.
45. **M. M. Khader**, B. E. El-Anadouli, E. El-Naggar and B. G. Ateya, J. Solid State Chem., 93 (1991) 283-291.

46. B. E. El-Anadouli, **M. M. Khader**, M. M. Saleh and B. G. Ateya, *Electrochim. Acta*, 36 (1991) 1899-1905.
47. B. E. El-Anadouli, **M. M. Khader**, M. M. Saleh and B. G. Ateya, *J. Appl. Electrochem.*, 21 (1991) 166-169.
48. B. E. El-Anadouli, **M. M. Khader**, M. M. Saleh and B. G. Ateya, *Proceedings of Cairo Second Int. Symp. On Renewable Energy Sources*, Oct. 1990, pp. 271-282 Organized jointly by NRC, Cairo and Wayne State University (USA).
49. **M. M. Khader** and N. N. Lichtin, U.S. Patent 4703030, issued Oct. 27 (1987).
50. **M. M. Khader**, G. H. Vurens, I-K. Kim, M. Salmeron and G. A. Somorjai, *J. Am. Chem. Soc.*, 109 (1987) 3581 - 3585.
51. **M. M. Khader**, N. N. Lichtin, G. H. Vurens, M. Salmeron and G. A. Somorjai, *Langmuir*, 3 (1987) 303 – 305.
52. N. N. Lichtin, K. M. Vijayakumar and **M. M. Khader**, *Extended Abst. Of the 1985 Meeting of the Int. Solar Energy Soc.* Pp433-436 (1985).
53. N. N. Lichtin, K. M. Vijayakumar and **M. M. Khader**, *Intersol 85 Proceedings*, Pergamon Press Int., N. Y. pp. 1870-1875 (1985).
54. H. A. Daboun, S. E. Abdou and **M. M. Khader**, *Arch. Pharm. (Weinheim)* 316, 564 (1983).
55. H. A. Daboun, S. E. Abdou and **M. M. Khader**, *Heterocycles*, 19, 1925 (1982).
56. S. E. Abdou S. M. Fahmy, **M. M. Khader** and M. H. Elnagdi, *Montash. Chem.* 113, 985 (1982).

Presentations in Conferences

1. **Mahmoud M Khader** “Development of Ni-based Catalysts for Low Temperature Methane Steam Reforming (MSR) via Single Step Combustion Process (SCS)” presented in Qatar Fertilizer Company (QAFCO) on the 19th of October 2015.
2. Walid M. I. Hassan*, Amit Verma, Reza Nekovei, R. Jeyakumar, and **Mahmoud M. Khader** “Theoretical Investigation of The Oxygen Bond Dissociation Energies in Graphene Oxide”. Presented in the IEEE Nanotechnology Materials and Devices Conference 2015 (NMDC 2015) NMDC 2015 was held in **Anchorage Alaska**, on **13-16th September**, 2015.
3. **M. M. Khader**, Sardar Ali, International Conference on Advances in Functional Materials, Stony Brook U, NY, 29 June 2015.
4. **M. M. Khader**, Mohammed J. Al-Marri, Sardar Ali, America Chemical Soc meeting, San Francisco August 110-14, 2014.
5. **M. Khader**, Mohammed J. Al-Marri, an oral talk at the second Kuwait conf of

- Chemistry, March 2014
6. **M. M. Khader**, Mohammed J. Al-Marri, an oral talk at the Enviroanalytical chemistry, Toronto, Ca (14 to 17 September 2013).
 7. **M. M. Khader**, Eman Fayaad, an oral talk at the 95th Canadian Chemistry Conference and Exhibition in Calgary, **Canada**, 26-30 May 2012.
 8. **M. M. Khader**, Kuwait Conference Chemistry KCC 2012 & 16th Arab Chemists Conference, Kuwait, 14 – 17 April 2012.
 9. **M. M. Khader**, an oral presentation in the 94th Canadian Society For Chemistry, Meeting held in Montreal, **Canada**, 29th May - 4th June 2011.
 10. **M. M. Khader**, 93rd Canadian Chemistry Conference and Exhibition in Toronto, **Canada**, 29 May - June 2nd 2010.
 11. **M. M. Khader**, “ 92nd Canadian Chemistry Conference and Exhibition in Hamilton, ON, **Canada** , May 30 to June 3rd 2009.
 12. **M. M. Khader**, A. S. Algaber presented in the 234th American Chemical society National Meeting, 19-23 Aug. 2007, Boston, MA, **USA**.
 13. E. Al Nema, **M. M. Khader**, The 2nd Conference in Chem. & Appl, Qatar University, Qatar, 6-9 Dec. 2003.
 14. **M. M. Khader**, A. M. Mahmoud, Cairo University, Egypt, 6-9 March 1999.
 15. **M. M. Khader** and S. Abd El-Waness, the 2nd Euro-Mediterranean conf on appl. of photochemistry and Laser tec. In Medicine and Env., National Inst. Of Lased Sc, Cairo University, Egypt, 13-16 , January 1998.
 16. **M. M. Khader**, The 2nd Regional International Symposium, UAE University, UAE, 11-14, 1994.
 17. **M. M. Khader**, Eightieth International Conference on Quantitative Surface Analysis, University of Surry, UK, 23- 26 August 1994.
 18. **M. M. Khader**, The 1st International Conference in Chemistry & its application, University of Qatar, Qatar 6 -9 Dec 1993.
 19. **M. M. Khader**, M. Salmeron and G. A. Somorjai, Am Chem Soc Meeting, Anaheim, CA, USA, 7 -11 Sept. 1986.
 20. **M. M. Khader**, N. N. Lichtin and G. A. Somorjai, The California Catalysis Soc. Meeting, Chevron Chem.& Oil Co., Richmond California, USA, 7 – 9 March 1986.

Conferences Attendance:

- 1) Kuwait Conference on Chemistry, 12-14 March 2014.
- 2) Qatar Foundation Annual Research Forum, organized by QF, Qatar National Convention Center, 21-23rd Oct. **2012, Doha, Qatar.**
- 3) The 14th International Union of Pure and Applied Chemistry Conference on Polymers and Organic Chemistry (POC 2012), organized by TAMU at Qatar, **Doha, Qatar, 6-9th Jan. 2012.**
- 4) QAFCO-TAMUQ Chemistry Conference 2010, Texas A & M in Qatar, Education City, **Doha, Qatar, 21st Jan. 2010.**
- 5) QAFCO-TAMUQ Chemistry Conference 2009, Texas A & M in Qatar, Education City, **Doha, Qatar, 8th Jan. 2009.**
- 6) Symposium on Chemical Catalysis and its Applications, Department of Chemistry and Earth Sciences, College of Arts & Sciences, Qatar University, **Doha, Qatar 9th April 2008.**
- 7) 1st Symposium on Polymer Sciences, Chemistry & Earth Sciences Dept., College of Arts & Sciences, Qatar University, **Doha, Qatar, 14th April 2007.**
- 8) Qatar University/WCMC-Q Second Qatar Symposium on Science Teaching and Learning, **Doha, Qatar, 7th March 2007.**
- 9) 1st Conference in Chemistry, Texas A&M in Qatar, Education City, **Doha, Qatar, Jan. 10, 2007**
- 10) The first conference for the Arab Expatriate Scientists, 24-26th April **2006, Doha, Qatar.**
- 11) Symposium on Teaching, Learning and Curriculum Development, Weill Cornell Medical College in Qatar, 11th Feb. **2006, Doha, Qatar.**
- 12) International Conference on materials research and education, future trends and opportunities, Education City, **Doha, Qatar, 4-6th April 2005.**

Membership & Affiliations:

THE AMERICAN CHEMICAL SOCIETY (ACS), Washington, USA.

The Canadian Society for Chemistry, Canada.

Journal Reviewer:

- A member of the editorial board of the International Journal of Advanced Chemistry & Chemical Technology <http://scientific.cloud-journals.com/index.php/Chemistry-Chemical-Technology>
- Reviewed several papers for Int. J. Hydrogen Energy, applied surface Science and Thin Solid Films.
- Reviewed several research proposals (King Saud University, United Arab Emirates University and Mutah University).
- Reviewed several faculty promotion files (King Saud University and Mutah University)

References

1. Prof. Sheikha Al-Misnad,
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