

Curriculum vitae

DR. IHSAN A. SHEHADI

Nationality

Citizen of the United States of America

Email Address

ishehadi@sharjah.ac.ae

Academic Experience

- 9/2014-present **Chairman** of the Department of Chemistry, University of Sharjah, Sharjah. Main duties: Managing and Supervising all Departmental activities and staff.
- 1/6/2017-present **Chairman** of the Department of Academic Accreditation, Deanship of Quality Assurance, Institutional Effectiveness and Accreditation, University of Sharjah, Sharjah. Main duties: Managing and Supervising all accreditation files and processes of all program in the University of Sharjah
- August 2017 & August 2016 **Acting Dean of Academic Support services:** Main duties: Managing and Supervising all activities related to Registrar's office, Admissions, Libraries, Central Laboratory unit and IT
- 9/2013-present Associate Professor of Chemistry, Department Chemistry, University of Sharjah, Sharjah, UAE. Main Duties: Designing and teaching high level courses in Physical, Inorganic and General chemistry (theory and practical), conducting high quality research in chemistry and Chemical education and contributing to community services and activities.
- 9/2009-2013 Assistant Professor, Department Chemistry, University of Sharjah, Sharjah, UAE
Main Duties: Designing and teaching high level courses in applied chemistry (theory and practical), conducting high quality research, writing and referring research proposals and contributing to community services and activities.
- 9/2002-9/2009 Assistant Professor, Department of Chemistry United Arab Emirates University, Al-Ain, UAE. Main duties: conducting high quality research in Sciences and education, designing and assessing new curricula, performing in- and out- of classroom activities, writing and refereeing research proposals and papers..
Administrative duties:
-Academic Coordinator: In charge of the all academic activities in the Department including the management of the Blackboard suit for instructional purposes (2007/2008) (2007/2008)
-Coordinator of the academic assessment and Development committee through which the Canadian Society Accreditation of the B. Sc. Program in Department of Chemistry was achieved (2003/2007)
- Coordinator of the academic planning and curriculum design based on the ACS guidelines at the Department (2004-2006)
- Coordinator of the Student's activities at the Department of Chemistry (2004/2005).
- Supervisor of the Environmental students' Association (2004-2006).
-Co-founder and supervisor of the chemistry club in the Department. (2004-2007)
- 1/2/2009-2/5/09 Adjunct assistant professor, George Mason University-RAK Campus, UAE. Main duties include teaching Advanced Organic Chemistry course and supervise the Organic Chemistry Lab.

- 22/6/2002-25/8/02 Visiting professor, Northeastern University, Department of Chemistry, MA 02115, U.S.A
Northeastern University, Department of Chemistry, Boston, Massachusetts.
Main duties: Teachings Inorganic Chemistry and Inorganic Chemistry lab.
- 17/6/00-8/25/01 Lecturer, Northeastern University, Department of Chemistry, MA 02115, U.S.A
Northeastern University, Department of Chemistry, Boston, Massachusetts. Main Duties include teaching Inorganic chemistry I, Advanced topics in Inorganic chemistry, Physical Chemistry I and II and Physical chemistry labs.
- 6/2/2000-8/25/2001 Senior staff Chemist, Northeastern *University, Department of Chemistry, Boston, U.S.A*
-Responsibilities: Supervise and manage the laboratory for Organic, Analytical and Physical Chemistry and design and write up new experiments for the teaching labs.
- 23/8/99-1/2/2000 Chemistry lab coordinator, Northeastern University, Department of Chemistry, Boston, Massachusetts.
- 2/2/99-23/3/99 Part-time Lecturer, Northeastern University, Department of Mechanical, Industrial and Manufacturing Engineering Boston, Massachusetts
Winter 1999. Teaching assignment: MIM1420, Management Information Systems: Analysis and Design of Computer Information Systems.
- 1/2/98-1/6/99 Post Doctoral Experience, Boston University, Department of Biology, Boston, MA, U.S.A. Postdoctoral fellow appointment in computational molecular biology. Title of the research project: "Integrated molecular biological and computational chemical approach to understand chemical carcinogens."

Languages:

English and Arabic.

Experimental Techniques

FT-IR spectroscopy, UV/VIS spectroscopy, capillary electrophoreses, GC-MS and Supercritical Fluid (SCF)-CO₂ techniques.

Computational Experience

1992-1997 Density Functional Theory (DFT); plus a variety of semi-empirical methods; modeling and dynamics of molecules and proteins and bio-informatics protocols and tools.

Education

1993-1997 **Ph.D.** in Chemistry, majoring in Computational/ bio computational Chemistry. Northeastern University, Department of Chemistry, Boston, Massachusetts. U.S.A. Title of the Ph. D Dissertation:" Computational Chemistry for Molecular Design: Part I: Molecules with nonlinear Optical Properties, Part II: Models for Chemically modified proteins"

1986-1990 **Bachelor of Science**, majoring in chemistry, *The American University of Beirut, Beirut, Lebanon.*

Research interest

- Heterogeneous and homogeneous Catalysis and their applications to petroleum petrochemical industry, Physical chemistry, Computational chemistry and Chemical Education.

Computer Skills

Programming experience: C/ C++. Operating systems: Linux, UNIX, MS/PC-DOS, VMS, and Windows. Numerous general-purpose software packages and database systems including, Insight II, Quanta/Charmm, Discover, SYBASE SQL, MathCAD, Gaussian09, Schrödinger, word-processors, spread sheets, utilities, editors, Web Page Design and chemo/bio-informatics tools and protocols.

Publications

1. *Samuel Orefuwa, Mohamed El Naggar, Ihsan Shehadi, Mohamed M. Chehimi, and Ahmed A. Mohamed*, J. Nanosci. Nanotechnol. 17, 4063–4068 (2017).
2. A. Lafi, I. Shehadi, M. El Naggar, H. Alawadhi, H. Abdou and A. Mohamed, Forensic Nanotechnology: Engineering Polyaniline Nanocomposites for Latent Fingerprints Development, J. of Nanoscience and Nanotechnology, 17, 2865–2872 (2017)
3. Shaikha S. Alneyadi, **Ihsan A. Shehadi** and Ibrahim M. Abdou, Synthesis and anti-proliferative activity of pyridine O-galactosides and 4-fluorobenzyl analogues, *Hetrocycl. Commun.*, 21 (5), 285-290 (2015).
4. Mohamed El Naggar, **Ihsan Shehadi**, Hanan E. Abdou, Ahmed A. Mohamed, Gilded Hope for Medecine, *Inorganics*, 3 (1) 2015, doi:10.3390/inorganics30x000x.
5. Ihsan A. Shehadi, An Overview on Recent Trends in Catalysis, *Journal of Thermodynamics and Catalysis*, 5 (1) 2014.
6. Abbas Khaleel, **Ihsan Shehadi**, and Ali Al-Marzouqi, Unique textural properties of titanium-doped alumina via sol-gel synthesis under non-acidic conditions, *Materials Letters* 68 (2012), 1-13.
7. Abbas Khaleel, **Ihsan Shehadi**, and Ali Al-Marzouqi, Catalytic conversion of chloromethane to methanol and dimethyl ether over mesoporous γ -alumina, *Fuel and Processing Technol.* 92 (2011) 1783–1789.
8. Salman Ashraf, **Ihsan Shehadi**, Syed Marzouk and Brian Murphy, An Integrated Professional and Transferable Skills Course for Undergraduate Chemistry Students, *Journal of Chemical Education*, 88, 1, (January 2011), 44-48.
9. Rafea Nafaa, **Ihsan Shehadi**, and Tala Al Akeshah, Removal of pesticide waste water using residues from activated carbon from olive mill wastes arbones (jift), *Proceeding of the Sharjah International Conference on Nuclear and Renewable Energy (SHJ-NRE11)*, (2011).
10. Abbas M. Khalil, **Ihsan A. Shehadi** and Mariam H. Al Shamsi, catalytic activity of chromium-metal mixed oxide, *Journal of non-crystalline Solid*, 356 (2010) 1282-1287.
11. Ali H. Al-Marzouqi, Hanan M. Elwy, **Ihsan Shehadi**, and Abdu Adem, Physicochemical properties of antifungal drug-cyclodextrin complexes prepared by supercritical carbon dioxide and by conventional techniques, *J. Pharm. Biomed. Anal.*, 49, (2009), 227-233.
12. Abbas M. Khalil, **Ihsan A. Shehadi** and Mariam H. Al Shamsi, Sol-gel synthesis and catalytic activity of chromium-iron mixed oxide, *Colloid and Surfaces A-Physicochemical and Engineering Aspects*, 355 (2010), 75–82.
13. **I. A. Shehadi**, M. Maamari and M. A Rauf, Excess Molar Enthalpies, Entropies, Gibbs Free Energies, Refractive Indices of the Ternary Systems; 1- Butanol+N, N-Dimethyl Formamide (DMF)+Ethyl Acetate at 298.15 K, *Journal of International Scientific Research*, 18, (2009), 1-9.
14. Muhammad A. Rauf, **I. Shehadi**, Amal Ahmed and Ahmed Al-Zamly, Removal of Methylene Blue from aqueous solution by using gypsum as a low cost adsorbent, *International Conference on Applied Chemistry- World Academy of Science, Engineering and Technology*, (2009) ISSN: 2070-3740.

15. **I. A. Shehadi**, THEMATICS Analysis for Functional Ion Channel, *International Journal of Quantum Chemistry*, 11 (**107**), 2075-2081 (2007).
16. Ali H. Al-Marzouqi, Ayser Solieman, **Ihsan Shehadi**, and Abdu Adem, Influence of the Preparation Method on the Physicochemical Properties of Econazole- β -Cyclodextrin Complexes, *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **60**, (2008), 85-93.
17. M. A Rauf, **I. A. Shehadi and** Walaa W. Hassan, Studies on Removal of Neutral Red on Sand from aqueous solution and its kinetic behavior, *Dyes and Pigments*, **75**, 723-726 (2007).
18. **I.A. Shehadi**, THEMATICS for Structural Genomics, *Global Journal of Biotechnology and Biochemistry*, 1 (**1**), 28-34 (2006).
19. **I. A. Shehadi**, A. Abyzov, A. Uzun, Y. Wei, L. F. Murga, V. Ilyin, and M. J. Ondrechen, Active Site Prediction for Comparative Model Structures with THEMATICS, *Journal of Bioinformatics and Computational Biology*, **3**, 127-143 (2005).
20. **Ihsan A. Shehadi**, Alper Uzun, Leonel Murga, Valentine Ilyin and Mary Jo Ondrechen, THEMATICS is Effective for Active Site Prediction in Comparative Model Structures, *Conferences in Research and Practice in Information Technology, Australian Computer Society*: Sydney, New South Wales, Australia, **29**, 209-215 (2004)
21. **Ihsan A. Shehadi**, Huyuan Yang and Mary Jo Ondrechen, Future Directions in Protein Function Prediction, *Molec. Bio. Rpts*, **29**, 329-335(2002).
22. Alessandro Ferretti, Alesandro Lami, Leonel F. Murga, **Ihsan A. Shehadi**, Mary Jo Ondrechen and Giovanni Villani, Theory of Electro absorption Spectroscopy in Pyrazine Bridged Ru Dimers, *Journal of The American Chemical Society*, **121** 2594-2596(1999).
23. **Ihsan A. Shehadi**, Leonel F. Murga, Mary Jo Ondrechen, and Jan Linderberg Third-Order Nonlinear Optical Properties of Correlated Bridged Polymers, *Chem. Phys. Lett.* **291** 325-332 (1998).
24. Leonel F. Murga, **Ihsan A. Shehadi** and Mary Jo Ondrechen, Models for chemical control of the third non linear optical properties of finite polymers, *Trends in Chemical Physics*, **Vol 7** 233-245 (1999).
25. David E. Budil, Luftur Khundkar, **Ihsan A. Shehadi**, and Mary Jo Ondrechen, Introducing a Practice-Oriented Approach in the Physical Chemistry Instructional Laboratory, *Journal of Chemical Education*, **76** 601-602 (No. 5 May 1999).
26. Al-Mehdi Ibrahim, Hussein M Elmehdi and **Ihsan Shehadi** , Beyond Conspiracy Theory: An insight into reasons for the downfall of Arabs' and Muslims' thrive for scientific innovation and discovery The Third International conference of the Arabs' and Muslims' History of Science, University of Sharjah, December 5-7, 2017, Sharjah, UAE. (Invited)
27. **Ihsan A. Shehadi**, Deema Al Jayousi and Ahmed Al Mehdi, Theoretical study of the molecular properties and chemical reactivity of flavonoids related to their antioxidant activity, *Journal of Physical Organic*, submitted.
28. **I. A. Shehadi, L. Murga, M. Rajal and M. J. Ondrechen**, THEMATICS as Binding Site Predictor for Allosteric Enzymes, *Computational and Theoretical Chemistry*, submitted.

Professional Reports:

- 1- "Annual Report for the College of Sciences" University of Sharjah, 2011-2014.
- 2- Accreditation Report for the B. Sc. Program, Department of Chemistry, University of Sharjah, 2015.
- 3- Laboratory Safety Manual, Central Laboratory Unit, University of Sharjah, 2011.
- 4- "Canadian Society of Chemistry (CSC) Accreditation report", UAEU, 2008.

- 5- "Academic assessment report for the Department of chemistry at UAEU", UAE University, 2007-2008.
- 6- "Academic Performance and assessment report for the Department of chemistry at UAEU", UAE University, 2006-2007.
- 7- "Summary of the academic performance of the first cycle of academic assessment", UAEU, 2005-2006
- 8- "Annual Report for the Department of Chemistry" UAEU, 2004-2005.

Grants:

- University of Sharjah Research Council, Grant No.XXX-2015
- United Arab Emirate University, Research Council, Grant no. **05-03-2-11/05**
- United Arab Emirate University, Research Council, Grant no. is **01-02-7-12/04**
- United Arab Emirate University, Research Council, Grant no. **08-03-2-11/03**
- United Arab Emirates University, Research council, Grant no. **02/11-2-16**
- Emirates Foundation Grant, U.A.E, Al Murshid Al Sageer, 2008 (approved grant of 750,000 AED/year)
- Emirates Foundation Grant, U.A.E, "Catalytic Conversion of Halogenated Methane to Higher Hydrocarbons: Route to Cleaner Energy Source and Valuable Chemicals from Natural Gas", 2009, (**2009/081**)

Patents:

"THEMATICS: A Simple Computational Method for the Identification and Characterization of Enzyme Active Sites," Mary Jo Ondrechen, James G. Clifton, Dagmar Ringe, Ronald J. Williams, Robert P. Futrelle, Wenxu Tong, David E. Budil, Jaeju Ko, Leonel F. Murga, Ihsan A. Shehadi, and Huyuan Yang. U.S. Utility Patent Application, pending.

Presentations in Conferences:

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- 250th American Chemical Society conference, August 16-20, 2015, Boston, U.S.A: Gold diazonium reduction on unusual substrate.
- 250th American Chemical Society conference, August 16-20, 2015, Boston, U.S.A: Synthesis and characterization of diazonium Tetrachloroaurate(III) precursors for surface grafting.
- NANOTECH MEET Tunisia 2014 joint international conferences(NANOTECH MEET TUNISIA 2014), Tunisia on Apr 24 - 26, 2014: Quality Structure activity relationships study for selected metal oxide/ mixed metal oxide catalysts.
- 11th European-Asian Chemistry Conference, Jordan, October 6-10, 2010. Nanostructured Chromium-Iron mixed oxides: textural properties and acid-base behavior.
- EuropaCat IX, Catalysis for Sustainable world, Salamanca, Spain August 30-September 4th, 2009. Sol-Gel Synthesis and Catalytic Activity of Chromium-Iron Mixed Oxide Catalysts (Oral)
- Theory and Application of Computational Chemistry (TACC 2008), Shanghai, China, September 23rd, 2008. Theoretical study of the molecular properties and chemical reactivity of flavonoids related to their antioxidant activity (poster)
- The 21st Symposium of The Protein Society, Boston, U.S.A, July 19-23, 2007, "Computed Electrostatic Properties and Allosteric Enzymes" (Poster).
- 234th ACS National Meeting, Boston, 19-23 August 2007, A new look at allosteric enzymes with THEMATICS" (Poster)
- 234th ACS National Meeting, Boston, 19-23 August 2007, "A Classical/ Quantum Chemical Approach for Quantitative Structure Activity of Flavonoids (Poster)
- 8th Annual U.A.E University Research Conference, Al Ain, UAE, 21-24 April, 2007, The effect of mutation of High extreme Pka's amino acid residues on protein folding in Comparative Modeled Structures. (Oral).

- 8th Annual U.A.E University Research Conference, Al Ain, UAE, 21-24 April, 2007, Influence of the Preparation Method on the Physicochemical Properties of Fluconazole- β -Cyclodextrin Complexes (Oral)
- 6th European Conference on Computational Chemistry, Tale, Slovakia, September 3-7 2006. "THEMATICS for Functional Ion Channel" (Poster).
- 2nd Asia Pacific Bioinformatics Conference, January 18, 2004, Dunedin, New Zealand. "THEMATICS is Effective for Homology Model Structures: A Simple Computational Predictor of Functional Information for Proteins"
- 7th Pacific Symposium on Bio-computing January 3, 2003, Hawaii, U.S.A. . "Electrostatic Calculations for Functional Genomics".
- 5th Annual Research Conference, U.A.E.U, April 25, 2004, Al-Ain, U.A.E. "Computational Methods for Functional Ion Channels".
- 4th Annual Research Conference, U.A.E.U, April 4, 2003, Al-Ain, U.A.E. "The Identification of Active Site Residues in Proteins Using the Microscopic Titration Curves (THEMATIC's)".
- 216th ACS national Meeting, August 1998 "Molecular modeling study of polyethylene glycol modification of horse cytochrome c".
- 216th ACS national Meeting, August 1998 "Model for the second hyperpolarizability in alternating polymers".
- 216th ACS national Meeting, August 1998 "Model for Stark effect spectral line shape for bridged mixed-valence complexes".
- ACS national Meeting, April 1995 "The Mechanism for large electrochromism in bis-phthalocyanine lutetium".
- 23rd American Chemical Society Northeast Regional Meeting, June 1993 " Electronic structure and properties of bis-phthalocyanine lutetium".

Editorial Boards:

- Member of the Editorial of Journal of Applied chemistry.
- Member of the Editorial of the Journal of Thermodynamics and Catalysis.

General Activities

- Organizing Committee and Scientific Program Coordinator, "The Second International Conference on Arab's and Muslim History of Sciences", University of Sharjah, 2014.
- Judge for Think Sciences Competition, Emirates Foundation, 2012-2014.
- Organizing Committee, "Metal Material 2013 conference", Sharjah, 2013
- Member of the Judging Committee, Think Science, Emirates Foundation, 2013.
- Member of the Judging Committee, Intel-Arab Science Competition, Intel. Inc., 2013
- Chaired a session in the 2nd Asia Pacific Bioinformatics Conference titled "Biopathways and Prediction", January 18, 2004.
- Member of the American Chemical Society
- Member of the Protein Society, U.S.A.
- Member of the Division of Physical Chemistry.
- Member of the International Society of Biocomputing (ISBC)
- Honorary member of the life maker Society, U.A.E University, U.A.E
- Certified CPR and Basic First Aid, National Safety Council, Cambridge, U.S.A. 2001
- Certification in Hazardous Waste Operation and Emergency Response, EBI Consultants, Cambridge, U.S.A.

Awards and Certificates:

- Best performance Award for excellence in Service in the Department and nominated for the same award in College and University, United Arab Emirates University, 2007.
- Merit Award for exceptional service to the United Arab Emirates University, UAE University, 2006.
- Certificate of Appreciation for supporting extra-curricular activities at UAE University, Youth Care, UAE University, 2006.
- Certificate of Appreciation for efforts and contribution to College Committees, College of Science, UAE University, 2005-2006
- Certificate of Appreciation, Science Association, UAE University, 2006
- Certificate of Appreciation for efforts to establish the Chemistry Club, Department of Chemistry, UAE University, 2006.

General Academic Activities

- **Courses taught:**
 - Computer Applications in Chemistry
 - General Chemistry (1) for Medical Sciences
 - General Chemistry (2) for Medical Sciences
 - General Chemistry (1) for Health Sciences
 - Chemistry in Our Life
 - General Chemistry I
 - General Chemistry and Engineering Applications I
 - General Chemistry II
 - Physical Chemistry I
 - Physical Chemistry and Engineering Application I
 - Physical Chemistry III
 - Quantum Chemistry
 - Molecular Spectroscopy
 - Integrated Studies in Chemistry
 - Research Project in Chemistry
 - Contemporary Scientific Affairs
 - Professional and Transferable Skills for Chemists
 - Organic Chemistry II
 - General Chemistry laboratories I and II
 - Physical Chemistry laboratories I and II
 - Inorganic Chemistry I and II
 - Inorganic Chemistry lab.
- **Courses developed:**
 - Contemporary Scientific Issues (GEST 233), General Education course.
 - Professional and Transferable Skills for Chemists (CHEM 2111)
 - Integrated Studies in Chemistry (CHEM 409)
 - Spectroscopic Identification of Chemical Compounds
 - Physical Chemistry Lab II
 - Inorganic Chemistry Lab II
 - Computer Applications in Chemistry
- **Teaching/learning activities:**
 - Blackboard is used in all courses taught

- Academic objective and educational outcomes were mapped with the Program and University goals for general chemistry I and II, Physical Chemistry I and III, and Molecular Spectroscopy courses.
- **Innovation in teaching:**
 - Funded Innovation in teaching project titled: "Implementing Data Acquisition Protocols in The Experimental Chemistry" was completed.
 - Development and Implementation of surveys for graduates and alumni of the Department of Chemistry to measure educational outcomes.
 - Using the VARK (Visual-Aural-Read/Write-Kinesthetic) analysis to develop the best methods of teaching our students.
 - Development of Labtop project for the Physical Chemistry I course, 2006/2007.
- **Master Students Supervised**
 - Salim Al Ameri, (Graduated in September 2003)
 - Sameera Ahmed (Currently enrolled, Co-Advisor)
 - Deema Khalil Al Jayousi (Graduated in June 2008)
 - Mariam Humaid Al Shamsi (Graduated in June 2009)
- **Community Services:**
 - Representing the University of Sharjah in the Environmental and Protected Areas Authority in Sharjah, 2010-2012.
 - ***Presented the following Seminars***
 - Quality Structure activity relationships study for selected metal oxide/ mixed metal oxide catalysts, February 24, 2014, UoS
 - QSAR study of the antagonistic effects of flavonoids, May 12, 2012., UoS.
 - THEMATICS: Multi-Functional Tool for Protein Analysis, January 8th, 2010, UoS.
 - "Identification of Probable Pegylation Sites for Horse Cytochrome c Using a Computational Approach", January 2002
 - "Usage of Computational methods to Collect and Analyze Newly Discovered Proteins and Enzymes", March, 2002.
 - "Using Computers in teaching high School Chemistry", March 2003.
 - "Academic Assessment Process: From tools to Analysis", December 2003.
 - "Introduction to Tools Used in Bioinformatics and Bio-computing Research", March, 2004.
 - "Computational Methods to Predict Active Site in Orthologous and Homologous Model Structures", April 2004.
 - ***Contributions to Workshops:***
 - Computer Application and its Role in the professional skills for chemists and chemical educators, May 5th, 2012, Ministry of education-Sharjah division UAE
 - Chemistry and Computer Applications for educators, May 5th, 2010, Ministry of Education-Sharjah division UAE.
 - Hands on training on using Bomb Calorimeter for Chemistry staff involved in teaching physical chemistry lab, 10th October, 2009
 - Using Data Acquisition protocols and sensor in experimental physical chemistry for staff involved in teaching chemistry labs, November 11th, 2009, UoS
 - Measurement of the magnetic susceptibility of transition metals compounds, November 28th, 2009.

- Designed and implemented 22 new experiments in the physical and inorganic labs, September 2009-May 2010, UoS
 - Safety in Chemical Laboratories, October 2003.
 - Ministry of Education lead high school teachers' workshop, March 2002 and March 2003.
 - Academic Assessment Workshop (Department of Chemistry), December 2003.
 - The first Workshop in Medical Physics at UAE, (Department of Physics), April 2004.
- ***Committees Served on:***
- Coordinator of the College council, College of Sciences, University of Sharjah, 2014-2016
 - Coordinator of the Examination and Scheduling Committee, College of Sciences, University of Sharjah, 2014-2016
 - Member of the Academic Promotion Committee, College of Sciences, University of Sharjah, 2014-2016
 - Member of the Safety Committee, University level, University of Sharjah, 2015/2016.
 - Coordinator of the annual report committee, College of Sciences, University of Sharjah (2010-2014).
 - Member of the ad hoc Strategic Planning Committee for the College of Sciences (2013-2014).
 - Member in the Seminar committee, College of Sciences, University of Sharjah (2010-2011).
 - Member in the ad hoc committee to compile the laboratory safety manual, Central Laboratory Unit, University of Sharjah (2010-2011).
 - Coordinator of the Laboratory and Chemical Safety Committee, Department of Chemistry, University of Sharjah (2010-2011).
 - Member of Curriculum and Accreditation Committee, Department of Chemistry, University of Sharjah (2010-2014).
 - Member of Recruitment Committee, Department of Chemistry, University of Sharjah (2010-2014).
 - Member of the Graduate Committee, Department of Chemistry, University of Sharjah (2010-2011).
 - Member of Research and Community Service Committee, Department of Chemistry, University of Sharjah (2010-2011).
 - Coordinator of the Information and Library Committee, Department of Chemistry, University of Sharjah (2010-2014)
 - Auditing Committee for the central storage facilities in the University (Coordinator, UAE University, 2004/2005)
 - Committee to develop a general education course titled “Current Scientific Affairs (Member, University, 2004/2005)
 - Educational Performance and Development Committee (Coordinator, Department of Chemistry, UAEU, 2003/2004, 2004/2005, 2005/2006 and 2006/2007
 - Educational Performance and Development Committee (Member, College of Sciences, UAE University, 2003/2004, 2004/2005, 2005/2006 and 2006/2007
 - Extra Curricular Activities Committee (Member, College of Sciences, UAE University, 2003/2004, 2004/2005, 2005/2006 and 2006/2007.
 - Member of the ad hoc committee to seek the Canadian Society of Chemistry Accreditation for the Department of Chemistry, U.A.E.U, 2007.
 - Students’ Activity Committee (Coordinator, Department of Chemistry, UAEU, 2004/2005 and 2005/2006

- Ad hoc laboratory Safety Committee (Member, Department of Chemistry, UAUEI, 2003/2004)
- Special Committee to Assess Computational Facilities in the College of Science (Member, College of Sciences, UAEU, 2003/2004)
- Academic Planning Committee (Member, Coordinator, Departmental, 2003/2004)
- College of Science Curricular Development Committee (UAE University, 2002/2003)
- Advisory Committee to evaluate the academic plan for the Environmental and Civil Engineering Track (UAE University, 2002)
- Member of The Academic Planning Committee (member, Department of Chemistry, UAEU 2002/2003)
- Member of the Academic Performance and Improvement Committee (member, Department of Chemistry, UAEU, 2002/2003)
- Member of the Laboratory supervising Committee (member, Department of Chemistry, UAEU, 2002/2003)
- Member of the Examination Committee (member, Department of Chemistry, UAEU, 2002/2003)
- Laboratory Supervision Committee (member, Department of Chemistry, UAEU, 2002/2003)
- Member of The Learning and Internet Committee (member, Department of Chemistry, UAEU, 2002/2003)
- Member of The Annual Report Committee (member, Department of Chemistry, UAEU, 1 2001/2002)
- Educational Outcomes Committee (member, Department of Chemistry, UAEU, 2001/2002)
- Academic Planning Committee (member, Department of Chemistry, UAEU 2001/2002)