



Ideisan Ibrahim Abu-Abdoun

Professor of Applied Chemistry (Polymer/Organic Chemistry)

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<https://orcid.org/0000-0003-4230-462x>

<https://scholar.google.com/citations?user=1x3xygYAAAAJ&hl=en>

<https://www.scopus.com/authid/detail.uri?authorId=6601993356>

http://www.sharjah.ac.ae/en/academics/Colleges/Sciences/dept/ch/Pages/ppl_detail.aspx?mcid=3

https://www.researchgate.net/profile/Ideisan_Abu-Abdoun

- PERSONAL INFORMATION

Nationality: Jordanian **Place of Birth:** Karak – Jordan

Contact Information: Department of Chemistry - College of Science, University of Sharjah, Sharjah - United Arab Emirates.

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- EDUCATION:

Degrees: BSC. PhD.

Degree	Institution	Date
High school	Hasan Al-Barqawi School, Al-Ashrafyah - Amman - Jordan	1974
B. Sc.	Department of Chemistry- University of Kuwait - Kuwait	1978
Ph.D.	Industrial Physical and Inorganic Chemistry (IPI) University of Liverpool - United Kingdom	1982

Title of the Ph. D Thesis:

Polymerization Induced by Cation-Radicals Salts.

"Synthesis of new monomers, polymers and initiating systems based on the cation radical chemistry and related systems"

- AREA OF SPECILIZATION: Chemistry

Specific Area of specialization: Applied Chemistry

- Research Interest: Chemical Modification and Characterization of Polymers; Organic Synthesis Leading to New Monomers, Polymers and/or Initiating Systems; Environmental Chemistry; Degradation and stabilization of Plastic Materials; Catalysts and Catalysis for Chemical and Photochemical Reactions; Chemical Data Information, Documentation, Presentation; Chemical Safety and Handlings; Learning and Teaching methodology; Strategic Planning and Curriculum Development,

- Employment History:

Date	Position	Institution/Company
12, 2008 - Present	Professor	University of Sharjah (UOS), UAE.
09, 2005 to 11-2008	Assoc Prof. & Chairman	University of Sharjah (UOS)-UAE.
01, 1998 to 08, 2005	Assoc. Professor & Coordinator of Chemistry Division	Basic Science Department, University of Sharjah (UOS), UAE.
09, 95 - 12, 1997	Associate professor	King Fahad University of Petroleum and Minerals (KFUPM) - Dhahran, Saudi Arabia
09, 1994 - 08, 1995	Associate professor	Al-Albays University- AL Mafraq, - Jordan.
07 92 - 08. 1994	Associate professor	KFUPM–Dhahran, Saudi Arabia.
09. 1984 - 06. 1992	Asst. Professor	KFUPM–Dhahran, Saudi Arabia.
04, 82 - 05, 1983	Postdoctoral Researcher.	Bowling Green State University, Ohio - U.S.A.
06, 83 - 08, 1984	Researcher	University of Liverpool - UK.

- Professional Activities: Short list

- Founder & Chairman of the Department of Chemistry, University of Sharjah (UOS), UAE
- Founder & Coordinator, Chemistry Division, Department of Basic Sciences, UOS-UAE.
- Adjunct Professor, American University of Sharjah, Spring 1999& Fall 2001, AUS- UAE.
- Visiting Researcher, Chemistry department, University of Exeter 2005 - UK.
- Chairman of the organizing, International advisory, and publication committees, Symposium and Exhibition on Catalysts Applications in the GCC: New Trends in The Chemistry of Catalysis, 2004.
- Demonstrated wide and great abilities in the development of interrelation between academic institutions & industry relationship, through symposium, conferences and other exchange programs organization.
- Special skills in assessment and development of new academic programs and teaching methodology.
- Chairman of safety and security Committee, Department, College and University.
- Served at several Departmental, College and University committees such as: Faculty affairs, Research, Promotion, Awards and convocation, Faculty application evaluation, enrollments management and academic guidance, accreditation and curriculum committee and other academic committees. Graduate committee.
- Chairman of the community service committee, and University representative in many community activities.
- Guest Editor of several journals, theme issues, conference proceedings, book of abstract
- Evaluation of research proposals and scientific articles for journals and scientific meeting.

- Prepare and establish chemistry labs, and lab manuals for new programs such as: general chemistry, organic chemistry and polymer chemistry laboratory.
- Delivered several public talks on topics related to Chemistry, Environment, Education, Safety.
- Organization and evaluation “Chemistry Olympiad” for schools at UAE.
- Served as Member of several International Conferences Advisory Board.
- Editorial Board: Editorial Secretary, University of Sharjah Journal of Pure & Applied Sciences
- Chairman of the scientific committee of the workshop “The effect of global warming on human health and safety” 2009 UOS.
- Member of the competitive Research projects evaluation, MOI - UAE.
- Chairman of the Scientific committee, "The Third Symposium "Chemistry & Environment".
- Organized and supervised the Internship for chemistry students for several years.
- Master Thesis - External Examiner: College of Research and Graduate Studies UAEU
- Projects evaluation for student projects at schools in UAE - Sharjah.
- Coordinator, “Project to Develop the Teaching of Science in Secondary Schools” (Sharjah Education District) Providing training for chemistry teachers in Sharjah schools (Sharjah Education District).
- Member of committee on reviewing and evaluation of standards of teaching materials in schools, MOE, UAE.
- PhD student committee. External examiner - College of Engineering, UOS.
- External Examiner in Chemistry Practice and Chemistry theory at AlGorar University, UAE.
- Contribute to Several accreditation team visits on several programs.
- Member of The Laboratory Safety Committee, University of Sharjah
- Chairman of the Exhibition committee & Member of the “Organized Committee” and “Scientific Committee” of the Symposium on: “Chemistry and Environment” organized by the Department of Chemistry at the University of Sharjah, May 16, 2013.
- Organizing Committee – Member International Conference on Polymerization Catalysis, Flexible Polymer and Nanotechnology, 6-7, October 2018
- Organizing Committee – chair, World Congress on Nanoscience, Nanotechnology and Advanced Materials. April 20-21, 2020, Dubai, UAE.

- Attendance: Short list

- Certificate of Participation "Heartsaver First Aid" course. 22 December 2019. University of Sharjah- M31, Sharjah, UAE.
- Integrated Biosensors for Biomedical, Environmental and Food Applications, Prof Mohammed Zourob, Alfaisal University, KSA, Jan.15, 2020
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- The second-High School Chemistry Festival " Innovation Projects Competition" High Schools - UAE 25-4-2019.
- Workshop on " Best Practice in teaching& learning improvements, UOS, 2012
- High Performance Renders and Plasters Sharjah Research Academy, University City

- Workshop on Building Design for Extreme Loads: Blasts and Earthquakes, Department of Civil & Environmental Engineering, Sharjah Research Academy, University of Ottawa University of Sharjah.
- Second SEAM Workshop: Sustainability in Operations and Maintenance Management: Advancement in Reliability and Quality Engineering.
- Conference "Protecting the Past 2018" From Digital Documentation to Heritage Management in the MENA Region. 4-6 Dec. 2018, Sharjah, UAE.
- Advanced Education in Changing World: The Education Strategy of the United Arab Emirates. The Emirates Center for Strategic Studies and Research. Abu Dhabi, UAE, 20-21-Nov. 2018
- Workshop on Leadership in higher education, "Certificate of Competence in Learning and Teaching in Higher Education" 8th International Conference on.

- Member of New Academic Program Committees Development:

- Member of Committee for development and starting the master program of Cultural Heritage, Spring 2018-2019
- Member of committee on reviewing and evaluation of standards of teaching materials in schools at UAE. Ministry of Higher Education and Scientific Research, United Arab Emirates.
- Master program in Biomaterial Engineering, University of Sharjah (UOS) 2019-present.
- Curriculum & Accreditation Committee, Department of Chemistry, University of Sharjah. Prepare required information for the reaccreditation of the Chemistry program by the Commission for Academic Accreditation, UAE.
- Members of the committee of the new program: "Petroleum Geosciences and Remote Sensing program at the college of Science" - UOS.
- Program coordinator "The development of Science Teaching at high Schools in Sharjah-UAE" Sharjah - UAE.
- Member of the board of trustees, and advisory board of Al-Shola private school groups,
- Members of the committee of Master program Committee MSeSE Program New "Master of Science in Environmental Science and Engineering. UOS 2019
- Members of the committee of Master program Committee Program New "Master of Science in Biomedical Engineering. UOS 2019.
- Members of the committee of Graduate program Committee Program New "Doctor of Philosophy in Criminal Justice and Criminology. UOS 2017.
- Member in the Accreditation Committee of the Master in Conservation Management of Cultural Heritage, 2018-2019
<http://www.sharjah.ac.ae/ar/academics/Colleges/eng/dept/aed/Pages/Master-in-Conservation-Management-of-Cultural-Heritage.aspx>

- Professional Memberships:

- Royal Society of Chemistry -RSC
- American Chemical Society – ACS.
- Saudi Standards (SASO), Paints and Resins Division.

- European Photochemistry Association.
- UAE Consumer Society.
- Environmental protection agency
- Asian Polymer Association.

- Selected Research Projects:

- Photosensitization of Cationic Polymerization in Presence of Human hair.
- Polymerization of 4-Vinyl-1-Cyclohexene Diepoxide by Rhenium Carbonyl Compounds
- Cationic Polymerization of p-Methyl styrene
- Heavy Metals contents in Neem Tree (*Azadirachta indica*) Parts and Surroundings".
- Photopolymerization of Epoxide and Vinyl Monomers by Metal Carbonyl Compounds
- Systematic Monitoring of Nitrate Contents in Imported Fresh Vegetables in UAE.
- Investigation of Selected Heavy Metals Concentration in Animal Feeds in United Arab Emirates
- The Effect of Sulfur powder Addition on the Chemical and Physical Properties of Soil in Jordan Valley".
- Cationic Photopolymerization by Polymeric Triphenyl Phosphonium Salts
- Heavy Metal Concentrations in Two Mangrove Species Grown in the UAE Region and Use of Phytoremediation Technology"
- Inhibition of Carbon Steel Corrosion by Onium Salts in HCl Solution.
- Preparation and Activity of Poly alkyloxides as Corrosion Inhibitors.
- Weathering of plastic products in Saudi Arabia 5 years project, Funded by SABIC.
- Conservation and Restoration of Musuem Collections by Neem Gum.
- Industrial Field Survey of Major Plastic Industries in United Arab Emirates.
- Hybride Photoinitiators for Cationic and Free radical polymerization.
- Synthesis of Electron Beam Photoresist Polymers.
- Synthesis and Applications of Polymer -Bound Catalysts.
- Effect of Ultraviolet, Solar Radiation, XeCl Laser and Xenon Arc Lamp on the Nuclear Track Recording Properties of CR-39.
- A New Approach to Examine the Stability of Plastics Produced by SABIC Using Laser Induced Fluorescence Decay.
- Polymerization Reaction Using Metal-Chelates as Catalytic Chain Transfer agents.
- Synthesis of polymeric liquid crystals.

- Selected Publications:

- Published in Refereed Journals

1. Oussama El-Kadri, Susan Sen, Mohammad H. Al Sayah, Mohammed S. Mohammed and **Ideisan I. Abu-Abdoun** "Multifunctional nitrogen-rich aminated-linked luminescent porous organic polymers for iodine enrichment and selective detection of Fe³⁺ ions" *Journal of Materials Science*, 2020: 24,5.
2. **Ideisan I. Abu-Abdoun** "Polymerization of 4-Vinyl-1-Cyclohexene Diepoxide by Rhenium Carbonyl Compounds" *Academic journal of Polymer Science*. **2019**: 2, 3.
3. **Ideisan I. Abu-Abdoun** "Cationic Polymerization of p-Methyl styrene" *Academic journal of Polymer Science*. **2019**: 2, 4.

4. **Ideisan I. Abu-Abdoun**, Zohuir A. Al-Balawna "Heavy Metals contents in Neem Tree (*Azadirachta indica*) Parts and Surroundings". *Acta Scientific Medical Sciences*.**2019**: 3, 8.126-130.
5. **Ideisan I. Abu-Abdoun** "Photopolymerization of Epoxide and Vinyl Monomers by Metal Carbonyl Compounds", *Acta Scientific Applied Science*, **2019**: 1, 1.pp1-5
6. Zohuir A Balawna, **Ideisan I Abu-Abdoun**, Nizar A Al-Haj Ali, Abdulla S Janan and Nasra M Abd El-Mageed, "Systematic Monitoring of Nitrate Contents in Imported Fresh Vegetables in UAE. *Acta Scientific Pharmaceutical Sciences*, 2019; Volume 3 Issue 8: **149-153**. 5. DOI: 10.31080/ASPS.2019.03.0358
7. Nizar A. Al Haj Ali1, **Ideisan I. Abu-Abdoun**, Abdulla S. Janaan, Jumana H. Hassan1 and Maha A. Al Jeaidi. "Investigation of Selected Heavy Metals Concentration in Animal Feeds in United Arab Emirates". *Chemical Science International Journal*, **2019**:28 (3): 1-6.
8. Zohuir A. Al-Balawna and **Ideisan I. Abu-Abdoun**. "The Effect of Sulfur powder Addition on the Chemical and Physical Properties of Soil in Jordan Valley".
9. *Journal of Agriculture and Environmental Sciences*. **2019**: Vol. 8, No. 2, pp. 1-9
10. **Ideisan I. Abu-Abdoun**, "Cationic Photopolymerization by Polymeric Triphenyl Phosphonium Salts" *Chemical Science International Journal*, **2019**: 27(4): 1-7.
11. Zohuir A. Al-Balawna, Nizar A. Alhaj Ali and **Ideisan I. Abu-Abdoun**. "Heavy Metal Concentrations in Two Mangrove Species Grown in the UAE Region and Use of Phytoremediation Technology". *International Journal of Green Chemistry*, **2019**:5 (2) pp 1-8.
12. **Ideisan I. Abu-Abdoun**, "Cationic Polymerization Induced by Tris-(p-bromotriphenyl) amine Cation-Radical Salts" *Journal of Research Update in Polymer Science*, **2019**: 8, 21-26.
13. Nahlé, A, **Ideisan I. Abu - Abdoun** and Abdel-Rahman. I "Corrosion Inhibition of 1,4-Dimethyl Phenyl-N, N-Dimethyl Anilinium Dibromide salts on Mild steel in HCl solution" *Journal of Materials Science and Engineering with Advanced Technology*. **2018**:19, 11.
14. Ayssar Nahlé, Reem Saeed Al-tuniji, **Ideisan I. Abu - Abdoun**, and Ibrahim Abdel-Rahman."Corrosion Inhibition on Mild Steel in 1.0 M HCl Solution by 1-Vinylimidazolium-3-methyltriphenyl Phosphonium Dihexafluoroantimonate Salt".
15. *Portugaliae Electrochimica Acta*, 34 (3) (**2016**), 197-211.
16. Ayssar Nahlé, **Ideisan I. Abu-Abdoun**, and Ibrahim Abdel-Rahman."Corrosion Inhibition on Mild Steel in 1.0 M HCl Solution by 1-Vinylimidazolium-3-methyltriphenyl Phosphonium Dihexafluoroantimonate Salt". *Journal of Materials and Environmental Science*, 7(8) (**2016**), 2955-2964.
17. Alami, A. H.; Zhang D.; Aokal, C.; Abed, J.; **Ideisan I. Abu-Abdoun.**; Alawadhi, H.; "Fe-Cu Compounds in Dye-Sensitized Solar Cells: Influence of Magnetic Field on Mesoporous Structure". *International Journal of Thermal & Environmental Engineering*, Vol. 11, No.1, **2016**: 67-72
18. Alami, A. H.; Zhang D.; Aokal, C.; Abed, J.; **Ideisan I. Abu-Abdoun.**; Alawadhi, H.; "Influence of Magnetic Field on the Mesoporous Structure of Fe-Cu Compounds in Dye-Sensitized

Photovoltaic Cells” ASM International (ASM) and The Minerals, Metals & Materials Society (TMS) 2016

19. Ayssar Nahlé, **Ideisan I. Abu-Abdoun**, Ibrahim Abdel-Rahman, and Maysoun Al-Khayat. “UAE Neem Extract as a Corrosion Inhibitor for Carbon Steel in HCl Solution”. *International Journal of Corrosion*. Volume **2010**, Article ID 460154, 9 pages.
20. Khader A. Al-Hassan, **Ideisan I. Abu-Abdoun**, Abdalaziz Alsawayan, and Yaser A. Yousef. Normal and Twisted Intramolecular Charge Transfer (TICT) Fluorescence of P-(N,N-diphenyl amino benzoic acid methyl ester (DPABME) in Various Solvents. *Jordan Journal of Chemistry*. vol. 3 No.4, **2008**: pp.425-432.
21. Al-Hassan. K, Saleh. N, **Ideisan I. Abu-Abdoun** and Yousef, Y " Inclusion as a Driving Force for the Intramolecular Charge Transfer (ICT) Fluorescence of Para . (N, N-diphenylamino) Benzoic acid methyl ester (DPABME) in α -Cyclodextrin (α -CD) Aqueous Solution. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*. **2008**: vol. 61, no. 3, pp. 361-365.
22. Tayim. H and **Ideisan I. Abu-Abdoun** “Preparation of N-Oxidation of Some Analogues of Poly (2-vinylpyridine), *International Journal of Applied Chemistry*. (**2008**) vol. 4, no.1, pp 23-36.
23. **Ideisan I. Abu-Abdoun** “Photoinitiated Cationic Polymerization of *p*-Methyl styrene by methoxy-Triptyl Salts”. *International Journal of Polymeric Materials*. (**2008**), vol. 57, pp 584-593.
24. Nahlé. A, **Ideisan I. Abu-Abdoun** and Abdel-Rahman. I “Inhibition of Carbon Steel Corrosion by 4-Vinylbenzyl Triphenyl Phosphonium Chloride in HCl Solution” *Anti-Corrosion Methods and Materials*, (**2008**) vol. **55**, No. 4, pp217-224.
25. **Ideisan I. Abu-Abdoun**. “Photoinitiated Cationic Polymerization of cyclohexene oxide by penta- Methoxy-Triptyl Salts”. *Journal of Polymeric Science, Ser B*. (**2008**) vol. **55**, No. 9-10, pp243-247.
26. Nahlé. A, **Ideisan I. Abu-Abdoun** and Abdel-Rahman. I “Corrosion inhibition of (anthroquinone-2-ylmethyl) triphenyl phosphonium bromide on mild steel in HCl solution” *Bulletin of Electrochemistry*. *Bulletin of Electrochemistry*, **2007**: vol. 23 pp201–209
- 27.
28. Nahlé. A, **Ideisan I. Abu-Abdoun** and Abdel-Rahman. I “Electrochemical Studies of the Effect of Trans-4-Hydroxy-4'-Stilbazole on Corrosion Inhibition of Mild Steel in HCl Solution” *Anti-Corrosion Methods and Materials*, (**2007**) vol. **54**, No. 4, pp244-248.
29. **Ideisan I. Abu-Abdoun** and A. Ledwith "Polymerization of Cyclohexene Oxide by Methyl-4-[bis(4-bromophenyl) amino] benzoate Cation Radical Salts", *Journal of Polymer Research*, (**2007**), vol. 14, no. 4, pp. 269-276.
30. **Ideisan I. Abu-Abdoun** and A. Ledwith" Photoinitiated Cationic Polymerization by p-trimethoxytrityl Salts, *Journal of Polymer Research*, (**2007**), vol. 14, No. 2, pp. 99-105.
31. **Ideisan I. Abu-Abdoun** “Photoinitiated polymerization of cyclohexene oxide by pentacarbonyls rhenium (I) halides”, *Designed Monomers and Polymers*. (**2000**), vol. 3, No. 2, pp171-180.
32. **Ideisan I. Abu-Abdoun** “Photopolymerization by Dirhenium decacarbonyls”, *Polymer International*. (**1999**), 48, pp1197-1201.

- 33. Ideisan I. Abu-Abdoun** and A. Ledwith " Photochemically and Thermally Induced polymerization by N, N, N, N Tetraphenylene amine Cation radical Salts. *J. Macromol. Sci - pure and Appl. Chem.* (1998), vol. A35, (4) pp. 673 - 690.
- 34. Ideisan I. Abu-Abdoun**, H. Al - alawi and F. Iskander. "Polymerization of N-Vinylcarbazole by Rhenium carbonyls". *Designed Monomers and Polymers*, (1998) pp. 237-244.
- 35. Ideisan I. Abu-Abdoun** and A. Ledwith " Photochemically and Thermally Induced polymerization by Substituted Phenothiazine Cation Radical Salts. *European Polymer Journal*. (1997), vol.33, No.10-12, pp.1671-1679.
- 36. Ideisan I. Abu-Abdoun** and Aal-e-Ali "Cationic photopolymerization of Styrene by Phosphonium and Arsonium salts" *J. Macromol. Sci -Macromolecular Reports*, (1993). vol. A30, no. 3&4, pp.327-336.
- 37. Ideisan I. Abu-Abdoun**. "Photoactive Catalysts used in Polymerization Reactions", *Journal of Engineering and sciences_King Abdul-Aziz university- Jeddah, Saudi-Arabia*, (1993) PP. 429-438.
- 38. Ideisan I. Abu-Abdoun** and Aal-e-Ali "Cationic photopolymerization of *p*-Methylstyrene by Phosphonium and Arsonium salts", *European Polymer Journal*, (1993), vol. 29. No. 11, pp. 1439-1443.
- 39. Ideisan I. Abu-Abdoun** and Aal-e-Ali "Photopolymerization of cyclohexene oxide by Phosphonium and Arsonium salts" *European Polymer Journal*, (1993), vol. 29. No.11, pp. 1445-1450.
- 40. Ideisan I. Abu-Abdoun** and Aal-e-Ali "Cationic Photopolymerization of cyclohexene oxide", *European Polymer Journal*, (1992), vol. 28, No. 1, pp. 73-78.
- 41.** Sultan. S. M., Suleiman. F. O., Duffuaa.S. O. and **Ideisan I. Abu-Abdoun**.
- 42.** Simplex Optimized and Flow Injection Spectrophotometric Assay of Tetracyclines Antibiotics in Drug Formulations. *Analyst*, (1992), vol. 117, pp.1179 -1183.
- 43.** Abu-Jarad. F., Isalam M.A., **Ideisan I. Abu-Abdoun**. and Khan. M. A." Effect of Ultraviolet, Solar Radiation, XeCl Laser and Xenon Arc Lamp on the Nuclear Track Recording Properties of CR-39 "Nuclear Tracks and Radiation Measurements, *Nuclear Tracks and Radiation Measurements*, (1992), vol. 20. Pp.531-541.
- 44.** Abu-Jarad. F, Isalam M.A., **Ideisan I. Abu-Abdoun**. and Khan. M. A. "Ultraviolet and Laser Effect on Etching of Various Batches of CR-39" *Nuclear Traks and Radiation Measurements*, (1991), vol. 19, pp.135-138.
- 45. Ideisan I. Abu-Abdoun** and A. Ledwith, "Decomposition of Phenyl-Azo-Triphenylmethane (PAT) by the Ammoniumyl Cation Radical Salts" *The Arabian Journal of Science and Engineering*, (1990), vol. 15, pp. 505- 509.
- 46.** Compton, R. G., Laing, M.E. Ledwith, A. and **Ideisan I. Abu-Abdoun**, "Polymer-Coated Electrodes: Cyclic Voltammetry and Chronoamperometry of non- ideal systems-the anodic oxidation of poly (4-vinyl-triphenylamine) films", *Journal of Applied Electrochemistry*. (1988), vol. 18, pp. 431- 440.

47. Compton. R. G., Day. M.J., Ledwith, A. and **Ideisan I. Abu-Abdoun.**, "The modification of electrodes with poly (4-vinyl -4', 4''- dibromotriph-enylamine)" Journal of The Chemical Society, Chemical Comm. (1986) pp. 328 - 329.
48. **Ideisan I. Abu-Abdoun.** Thijs. L. and Neckers. D. C. "Non ketonic peresters photoinitiators", *Macromolecules*, (1984), Vol. 17, pp. 282 – 288.
49. Neckers. D.C. and **Ideisan I. Abu-Abdoun.** " P, P`- Bis (triphenylphosphonio) methyl benzophenone salts as photoinitiators of Free radicals and Cationic polymerization". *Macromolecules*. (1984), vol. 17, pp. 2468- 2475.
50. **Ideisan I. Abu-Abdoun.** Thijs. L, and Neckers. D. C. "Photoinitiated polymerization of vinyl monomers by benzophenone t-butyl perester, "Journal of Polymer Science: Polymer Chemistry Edition, (1983), vol. 21, pp. 3129 - 3144.

- **Publications in Conference Proceedings**

51. **Ideisan I. Abu-Abdoun**, "Environmental Aspects of Degradable Plastics". Applied – Science 2019, Dubai, UAE. <https://www.scientificfederation.com/applied-science-2019/program.php>
52. **Ideisan I. Abu-Abdoun**, "Hyperbranched triphenylamine Schiff base preparation and complexation". International Conference on Polymerization Catalysis, Flexible Polymer and Nanotechnology. September 06-07, 2018 Dubai, UAE. <https://polymer-catalysis.conferenceseries.com/2018/scientific-program.php?day=1&sid=5243&date=2018-09-06>
53. **Ideisan I. Abu-Abdoun**, Future of Chemistry: Role of Scientific Community and Media
54. 18th international Conference of the Union of Arab Chemists" 18th ICOAC', (Proactive Future Chemistry), Ras Al Khaimah, United Arab Emirates. 26-27 and 28 March 2018.
55. **Ideisan I. Abu-Abdoun**, Synthesis and Applications of Polymeric Triphenylamine Catalysts
56. 18th international Conference of the Union of Arab Chemists" 18th ICOAC', (Proactive Future Chemistry), Ras Al Khaimah, United Arab Emirates. 26-27 and 28 March 2018.
57. **Ideisan I. Abu-Abdoun**, Applications of Neem tree products to green concepts. 5th Kuwait Conference of Chemistry, KCC 2018, 12-14 March 2018
58. **Ideisan I. Abu-Abdoun**, Neem Gum Modifications for Museum Conservation, Global summit on Chemistry and Chemical Engineering, 26-27 February 2018 Abu Dhabi, UAE
59. **Ideisan I. Abu-Abdoun**, Concepts in Chemical and Biological Agents Detection. 3rd UAE Conference on Biosecurity, 23-24 October 2017, Dubai -UAE
60. **Ideisan I. Abu-Abdoun**, Corrosion Inhibition of Ammonium Salt on Mild Steel in HCl Solution, Ayssar Nahlé, Nada Abdel-Samad, Ideisan Abu-Abdoun, Ibrahim Abdel-Rahman, Hassane Lgaz, Rachid Salghi, and Shehdeh Jodeh. NACE UAE Corrosion 2017 conference. Abu Dhabi - UAE May 2 - 4, 2017

- 61. Ideisan I Abu-Abdoun** “Impact of Innovations in Chemistry on Society”, Royal Society of Chemistry - RSC Meeting, Alain UAE, Innovations in Chemistry. Royal Society of Chemistry. RSC Meeting, Alain UAE. 28 April 2016
- 62. Ideisan I Abu-Abdoun.** Innovation Methodology in Teaching Science
- 63.** (two workshops) 2nd Arab Gulf Education Forum. University of Sharjah 3-7 April, 2016.
- 64. Abu-Abdoun. I.** Application and modification of Clay in Green Chemistry”
- 65.** The first symposium on Clay chemistry, Chemistry department, UOS, 22-May 2016
- 66.** The second UAE Conference on Pure and Applied Chemistry. AUS Chemistry department. AUS- Sharjah, 1-3 March 2016.
- 67. Abu-Abdoun. I.,** “Green Catalysts for the Chemical Industries”. Ajman International Conference on Environment. 30-31 January 2011 - Ajman, UAE.
- 68. Ideisan I. Abu-Abdoun,** First UAEU Chemistry Symposium "Chemistry and the Environment" Tuesday 26 October 2010, Al-Ain United Arab Emirates. Green chemistry: Aspects and future applications.
- 69. Ideisan I. Abu-Abdoun,** Green Middle East, 15-17 October 2012. Expo Sharjah – Sharjah, UAE. “Green photopolymerization reactions”.
- 70. Nahlé, Ideisan I. Abu-Abdoun,** Abdel-Rahman, and M. Al-Khayat. Electrochemical conference: “The 6th National Meeting of Electrochemistry (RNEO6); la 6^{ème} Rencontre Nationale d’Electrochimie (RNEO6)”. Organized by the University of Hassan II - Mohammedia - Faculty of Sciences & Techniques - Mohammedia - Morocco. Place: Mohammedia, Morocco on May 6 - 7, 2010. “Inhibition of Carbon Steel Corrosion by Imidazolium Salt in Acidic Media”.
- 71. Nahlé, A. Ideisan I. Abu-Abdoun,** and I. Abdel-Rahman. "The Second International Colloquium “Materials Corrosion and their Protection CMP10”. HOUDA Yasmine Hotel, Hammamet – Tunisia. Organized by the research Unity “Materials Corrosion & Protection” (COPROMET) of the National Engineering School of Tunis (ENIT). November 3 - 6, 2010. Oral presentation on: “Inhibition of Carbon Steel Corrosion by Imidazolium Salt in Acidic Media”.
- 72. Ideisan I. Abu-Abdoun** “Green Chemistry: Aspects and Future Applications. The 1st Chemistry Symposium “UAEU-Chem 2010” on “Chemistry and Environment”. Faculty of Science, United Arab Emirates University. 26. Oct. 2010, Al Ain, UAE.
- 73. Ideisan Abu-Abdoun.** “KAUST Symposium on Catalysis Catalysis in the context of Energy, Environment and Sustainability“. King Abdulla University for Sci., & Tech. Jedahh- Saudi Arabia. "Catalysis with Substituted Triphenylamine Cation-Radical", 6-8 Dec. 2010, KAUST
- 74. Ideisan I. Abu-Abdoun,** “International Conference Perspectives of Industrial Investment in the Gulf Cooperation Council Countries” 6-8, November 2010. RAK, UAE. Attendance. **I. Abu-Abdoun.**
- 75. Ideisan I. Abu-Abdoun,** “Photoinitiated Cationic Polymerization of cyclohexene oxide and p-Methylstyrene by methoxy-Triptyl Salts”. 5th East-Asian Polymer Conference, which is organized by East China University of Science and Technology, June 3-6, 2008, Shanghai, China.

- 76. Ideisan I. Abu-Abdoun**, “Synthesis of Polymeric Resin Based on Triphenylamine”
- 77.** International Conference POLY-2008 “Advances in polymer Science and Technology” January 28-31, 2008: Indian Institute of Technology, New Delhi, India.
- 78. Ideisan I. Abu-Abdoun** and Nahlé. A "Aspects of Chemistry Research on Archeology Regional Workshop on: Organized by ISESCO. Contribution with a paper on: ". Aspects of Chemical Research in heritage protection and its continuity. December 10 -12, 2007, Sharjah, UAE.
- 79.** Nahlé. A., **Ideisan I. Abu-Abdoun**, and Abdel-Rahman. I "Inhibition of Carbon Steel Corrosion by (Anthraquinone-2-ylmethyl) Triphenyl Phosphonium Bromide in Acidic Media". The Fifth National Meeting of Electrochemistry (RNE 05): "Electrochemistry and its Industrial and Environmental Applications". University of Ibn Zohr - Faculty of Sciences. March 28-29, 2008, Agadir - Morocco.
- 80. Ideisan I. Abu-Abdoun**, Nahlé. I. A. , and Abdel-Rahman. I "Corrosion Inhibition of Carbon Steel by Aromatic Phosphonium Salt in HCl Solution". March 28-29, (2008).
- 81. Ideisan I. Abu-Abdoun**, Ayssar Nahlé and Ibrahim Abdel-Rahman, The Fifth National Meeting of Electrochemistry (RNE 05): "Electrochemistry and its Industrial and Environmental Applications". University of Ibn-Zohr – Faculty of Sciences, March 28-29, (2008), Agadir - Morocco.
- 82. Ideisan I. Abu-Abdoun**, Catalysts and Catalysis in Chemical, Petrochemical and Environmental Control Processes, The seventh Jordanian Chemical Conference 7th JCC, March 01, (2007), Al-alBays University, Jordan.
- 83. Ideisan I. Abu-Abdoun**, Ayssar Nahlé, and I. Abdel-Rahman “Student Ratings of College Instructors: Drawbacks and advantages, “Third Annual Conference for Middle East Teachers of Science, Mathematics and Computing METSMaC, Computing, March 17–19, (2007), Abu Dhabi, UAE
- 84. Ideisan I. Abu-Abdoun** “proposed Curriculum for teaching polymer chemistry at high school”, Chemistry Teachers meeting, June16, (2007), Fujairah, UAE.
- 85. Ideisan I. Abu-Abdoun**, and A. Nahlé. "Aspects of Chemical research on protection of heritage". Regional Workshop on: Conservation and protection of heritage". December 10-12, (2007), ISESCO, Sharjah, UAE.
- 86. Ideisan I. Abu-Abdoun**, and Ayssar Nahlé “Aspects of Teaching Chemistry to Non-chemistry Majors”. The Second Annual Conference for Middle East Teachers of Science, Mathematics and Computing (METSMaC2006, March (2006), Abu Dhabi, UAE.
- 87. Ideisan I. Abu-Abdoun**, and Ayssar Nahlé, “Effective teaching of chemistry laboratories” The First Annual Conference for Middle East Teachers of Science, Mathematics and Computing, April 2005, Abu Dhabi, UAE.
- 88. Ideisan I. Abu-Abdoun.**, “Cationic Polymerization of p-Methylstyrene”. International Symposium on ionic Polymerization (IP 2005), October 23-28, (2005), Goa, India.
- 89. Ideisan I. Abu-Abdoun.**, “Cationic Polymerization by Rhenium Carbonyl Compounds”. The 6th International Symposium on Advanced Polymers via Macromolecular Engineering, August 15-19, (2005), Istanbul, Turkey.

- 90. Ideisan I. Abu-Abdoun**, Polymerization by Cation radicals, Symposium on New trends in the chemistry of catalysis, December 12-14, (2004), Sharjah University, Sharjah.
- 91. Ideisan I. Abu-Abdoun**, "Catalysis and the Environment, "symposium on New trends in the chemistry of catalysis, December 12-14, (2004), Sharjah University, Sharjah, UAE.
- 92. Ideisan I. Abu-Abdoun**, Photoinitiated polymerization of 4-vinylcyclohexene oxide by Rhenium carbonyl compounds, "Royal Society of chemistry Annual Conference, 29 July- 1 August, (2003), Sheffield, UK.
- 93. Ideisan I. Abu-Abdoun**, Teaching polymer chemistry at the Arab world universities, Arab Chemist Association meeting, October 24-26, (2003), Amman, Jordan.
- 94. Ideisan I. Abu-Abdoun** "Photoinitiated Polymerization by Rhenium Carbonyl Compounds, "Royal Society of chemistry Annual Conference, 30 July- 2 August, (2001), Birmingham, UK.
- 95. Ideisan I. Abu-Abdoun**, "Characterization of Degraded Polymers", International workshop on Techniques in Materials degradation", March 12-13, (2000), University of Sharjah, Sharjah.
- 96. Ideisan I. Abu-Abdoun** "Plastics Industries in the U.A.E", International workshop on Plastics and the Environment, March 20-24, (2000), University of Sharjah, UAE.
- 97. Ideisan I. Abu-Abdoun** "Polymeric Photoinitiators for Polymerization Reactions". Second Symposium of Pure and Applied Chemistry, 17-19 April (2000), Yarmouk University, Jordan.
- 98. Ideisan I. Abu-Abdoun** "Natural Weathering of Polyethylene Films: FTIR and GPC. Analysis", International workshop on Polymer and Environment, March 21-25, (1999), University of Qatar, Qatar.
- 99. Ideisan I. Abu-Abdoun**, Photoacid Generators Ionic Compounds in Polymer Synthesis. "Proceeding of the Third International Conference on Chemistry in Industry" November 18-20, (1996), Bahrain.
- 100. Ideisan I. Abu-Abdoun** "Photoinitiators for Polymerization Reactions" Lasers & Applications, Advances in Science, Medicine and Technology. NILES 1994, Int. Conf. March 26-30, (1994), Cairo, Egypt.
- 101. Ideisan I. Abu-Abdoun** "Photoinitiators for polymerization of vinyl monomers". 1st International Conference in Chemistry and its Applications, December 7-9, (1993) Doha, Qatar.
- 102. Ideisan I. Abu-Abdoun** "Cationic photopolymerization of Styrene by Phosphonium and Arsonium salts". Second International Conference, Solar Energy storage and Applied Photochemistry, January 6-11, (1993), Cairo, Egypt.

- Theses and Projects Supervision

Number of M.Sc. students supervised: +5

- Number of Ph.D. students supervised: 1

Undergraduate Projects: +30

- Awards Recognitions:

- Certificate of Competence in Learning & teaching in higher education, From Institute of leadership in higher education.
- Certified “Chemical Safety and Security Officer Trainer for Laboratory Settings”
Issued by: “Sandia National Laboratories, USA”.
 - Recipient of the College of Arts & Sciences Distinguished Awards for Excellence in Teaching, Research and Community Services for the Academic year 2007/2008
 - Recipient of the University of Sharjah Distinguish awards for Community Services, the Academic year 2004/2005.
 - Recipient of distinguished community services Awards- UOS 2003/2004
 - Several Certificate of Appreciation from: University of Sharjah, College of Arts and Sciences, 2004
 - Certificate of several Appreciation and Thanks from Environmental and Protected Areas Authority – Sharjah, UAE
 - Certificate of appreciation from Dubai Education District, 2003/2004
 - Certificate of Appreciation from Ports, Customs & Free Zone Corporation, Dubai, 2004.
 - Nominated for the Excellent Awards for the best students Advisor, KFUPM, Academic year 1990/1991.
 - Recipient of an Award for the best research paper in the area of Basic and Applied Sciences. April 29, 2009. UOS.
 - Member of committee on reviewing and evaluation of standards of teaching materials in schools at, MOHE - UAE.

- **Services:**

I am committed to provide excellent advancing to University, Community and chemistry services & education; fostering a culture of discovery in all of my activities and supporting standard chemical science research; building a work environment where each person is respected and has an opportunity for personal and professional growth; and demonstrating social responsibility through the appropriate use of available resources.

I have coordinated and/or participated in a multitude of committees throughout my carrier. I am competent, cooperative, understanding person, and I get along very well with my colleagues. I have been involved in the following university issues:

- **Journal Editorial / Reviewer Board Member**

- Journal of Thermodynamics and Catalysis
http://www.omicsonline.org/editor-profile/Ideisan_Ibrahim_Abu_Abdoun
- Journal of Heterocyclics (ISSN 2639-6734)
http://edelweisspublications.com/edelweiss/editors.php?journal_id=23
- International Journal of Engineering and Applied Sciences (EAAS)
http://eaasjournal.org/gallery_images/logo/2e7da365e22cf815dd7f05d58757b4cc2121940121.png
- International Journal of Environmental Chemistry

<http://journalspub.com/journalspub/journalsdetails.aspx?jid=34>

- Acta scientific medical science
https://actascientific.com/as-editorial_popup-asms.php?aseb_id=202
- Journal of Research Updates in Polymer Science
www.scnpublisher.com
https://susy.mdpi.com/volunteer_reviewer_info/view
- World Journal of Chemistry
<http://www.idosi.org/wjc/wjcboard.htm>
- Journal of Molecular Liquids
- International Journal of Environmental Pollution and Remediation
- Journal of Science and Technology
- International Journal of Engineering and Applied Sciences (EAAS)
http://eaasjournal.org/gallery_images/logo/2e7da365e22cf815dd7f05d58757b4cc2121940121.png
- Oriental Journal of Chemistry
<http://www.orientjchem.org/current-issue/>

- Evaluated Research Work for Academic Promotion and Awards "Examples":

- Scientific Council Jazan University, KSA
- Scientific Council University of Jeddah, K.S.A.
- Ministry of Interior (MOI) projects completion, UAE
- Arabic Language Academy in Sharjah. UAE
- College of Science Promotion Committee, UOS.
- Chairman selection committee University, UOS, UAE

- Development of new Academic (undergraduate and graduates):

- BSc chemistry, AAU, UOS.
- BSc. Petroleum and geoscience and remote sensing, UOS.
- BSc. Biotechnology, UOS.
- MSc. Chemistry UOS.
- MSc Environmental engineering, UOS.
- Material bioengineering, UOS.
- Premedical Programs, UOS.
- MSc in Conservation and Managements of Heritages, UOS.

- Scientific Articles. (short list):

Several scientific articles related to chemistry applications, and environmental topics such as:

- Important of polymer chemistry to petrochemical industries

- Industry and environment protection
- Smart materials
- The wonder tree: The Neem tree
- Environmental protection: Society and industry
- Chemistry and the environment
- Safety in the chemical laboratory

- Books and Labs Manuals:

- Chemistry in Our Life (Book in Arabic)
 - Safety in Chemical Laboratory
 - Experimental in Polymer Chemistry
 - Experimental in Organic chemistry
 - Experimental in General Chemistry 1&2.
 - Experimental Chemistry for Diploma students
- Safety Regulations and General Information for Research Workers and Laboratory Technicians. KFUPM.

-University Teaching Experience

(a) Undergraduate

- General Chemistry (Chem 101, Chem 102)
- General Chemistry 1&2 labs.
- Introduction to Chemical Literature.
- Chemistry Seminar (Chem 409).
- Chemistry Senior Project 1 (Chem.411).
- Chemistry Senior Project 2 (Chem 412).
- Polymer Chemistry (Chem 460).
- Organic Chemistry (Chem 221) for Engineering Students.
- Lecture & Lab
- Organic Chemistry (Chem 242) for health sciences students
- Lecture and Lab.
- Organic chemistry for diploma students
- Photochemistry
- Homogeneous Catalysis
- Chemistry and Environment
- Elements of food and Environmental Sciences

(b) Graduate

- Polymer Synthesis (Chem 537), KFUPM
- Advance polymer Chemistry, AAU

- Course Coordination

- Chem 537 (Polymer Synthesis), KFUPM
- Advance polymer Chemistry, (AAU)

- Chem 460 (Polymer Chemistry), KFUPM
- Chem 409 (Chemistry Seminar), KFUPM
- Chem 101 (General Chemistry), AAU, KFUPM, UOS
- Chem 221 Organic Chemistry (Eng. students), AUS
- Chem242 Organic chemistry (MLT), UOS
- Elements of food and the environmental sciences, UOS

- **Course Developments**

- Chem. 537 "Polymer Synthesis". Graduate course.
- Chem. 409 "Chemistry Seminar"
- Polymer Analysis " Special Topic"
- Industrial Polymers "Special Topic"
- Photochemistry "Special Topic"
- Environmental Chemistry (University elective)
- Organic Chemistry for Medical Lab technology
- Elements of food and Environmental Sciences

-**Lab Developments**

- General Chemistry
- Organic Chemistry
- Polymer Chemistry

- **Workshops, Seminars and Presentations " Short list"**

- Polymers for Enhanced seed Germination and Plant Growth.
- Catalysts Applications in Petrochemical Industries.
- Role of Arabs and Muslims in the development of Chemical Resins and plastics.
- Environmental Aspects of Degradable Plastics.
- Academia - Industry Collaboration, Survey of Plastics industry in UAE.
- Effective plans in Chemistry Teaching and Learning.
- Catalysts in Green Chemistry.
- Workshop on Sustainability in Operations and Maintenance Management: Advancement in Reliability and Quality Engineering
- 4th Sciences and Engineering Research Groups Forum - Towards Innovation and Value Creation
- Workshop on Leadership in higher education, "Certificate of Competence in Learning and Teaching in Higher Education" UOS
- Workshop in "Using IT skills in Academic Learning" UOS
- March 2015 Attend "The Fifth International Arab Conference on Quality Assurance in Higher Education UOS-AAU UOS
- May 10, 2014 Participated in the "University of Sharjah Open Day" (May 7- 10, 2014). UOS
- December 7, 2014 Attended the "Royal Society of Chemistry, Second Gulf Symposium"
- Design and Applications of Advanced Materials
- Sunday 7th December 2014 "Royal Society of Chemistry" UOS

- June 7-9, 2015 Attended a training program on: "University of Sharjah Bylaws for Faculty" organized by "Center for Continuing Education & Professional Development" at the University of Sharjah.
- Workshop on Leadership in higher education, "Certificate of Competence in Learning and Teaching in Higher Education"
- Workshop in "Using IT skills in Academic Learning"
- Attend "The Fifth International Arab Conference on Quality Assurance in Higher Education"
- Participated in the "University of Sharjah Open Day" (May 7- 10, 2014).
- Attended the "Royal Society of Chemistry, Second Gulf Symposium"
- Design and Applications of Advanced Materials, 7th December 2014
- Attended a training program on: "University of Sharjah Bylaws for Faculty" organized by "Center for Continuing Education & Professional Development" at the University of Sharjah.
- Workshop: Graduate Executive Regulations for Faculty members
- Academic Advising Workshop
- One day Seminar: Advanced Analytical Techniques and Sample Preparation solutions for Complex Matrices.

- Committee Work / Departmental level:

- Industrial Chemistry Division
- Safety Committee.
- Career Day Committee.
- Graduate Committee.
- Short Course Committee.
- Research Committee.
- Chemistry Club Committee.
- Faculty Applications Evaluation Committee.
- Staff Applications Evaluation Committee.
- Seminars Coordinator.
- Graduate Studies Committee.
- Information Committee.
- Chemistry Labs Safety Development Committee.
- Chemistry program development.
- Promotion Committee.
- Curriculum and Strategic planning committee.
- Student advisory Committee.

- Committee Work / College level:

- Student Affairs committee
- Central Laboratories Foundation Committee
- Curriculum and Planning Committee.
- College Council
- Academic Advising Committee
- Library committee
- Seminars Committee
- Promotion Committee
- Accreditation Committee

- Strategic planning committee
- Safety Committee
- Research Committee
- Continued education committee
- Students discipline comm., college of science

- Committee Work / University level :

- Conference Organizing Committee.
- Environment committee.
- Safety and security Committee (Chairman).
- Labs Committee.
- Food and Environment Diploma - program evaluation coordinator.
- University representative to Sharjah environmental protection organization
- Foundation year of Medical Colleges
- Community Service Committee (Chairman)
- University Strategic Planning Committee (Chairman, Community Service Comm.)
- Enrollments management and academic guidance (UOS).
- Grievance Committee
- Students' academic performance Committee College Chair
- Curriculum, Accreditation and Academic strategy Committee college member
- Promotion Committee.
- MSESE Program New " Master Program in Environmental Science and Engineering (MSESE) Committee Member – Environmental Health Science & College of Engineering
- Chairman of the scientific committee
- Member of the organizing committee The Third Symposium on: "Chemistry & Environment 2019"
- Internship organization
- College promotion committee
- Chairman Faculty Selection Committee
- Master program Committee
- Premedical Science curriculum committee.

-Teaching Philosophy:

Throughout my teaching experience at several universities, I have taught wide spectrum of chemistry courses including: General, polymer, and environmental chemistry, organic, Chemistry Literature and seminars, photochemistry and, Homogeneous catalysis. I consider myself a dedicated and popular scholar. My background and experience in chemistry make me capable to teach, supervise students, and to perform scientific research in the area of my specialization and more to cover in chemistry discipline.

I believe that university professors are ethically obligated to prepare and present material and conduct themselves in relation to their students in a specific way. As a university teacher, it is my responsibility to enter each class fully prepared and to provide my students with clear expectations and policies in a syllabus.

I am strongly convinced that successful teachers are those who possess the ability to explain, express their ideas effectively, respond to students' questions, and be available during office hours.

I believe that teachers must adhere to the subject of the lecture, be helpful, and able to motivate the students. In addition, students must be encouraged to think, ask questions, and participate in classroom discussions. TBL was introduced in my classes and found to be one important tool in improving student's ability in learning

An effective teacher must be willing to continually adjust to the needs of the students. After all, the primary goal of teaching is to encourage students to learn and to provide them with the tools and skills necessary to do so. Teachers have an obligation to find an effective way to do so.

My background in chemistry subjects enabled me to produce several high-quality researches works in various areas of specialization which include polymer, catalysts and catalysis, organic, photochemistry, environmental chemistry and Corrosion science.

As a researcher and a teacher, I believe in bringing the benefit of my research into my class teaching to keep my students interested in the subject and informed of the latest developments and challenges in the field.

As a researcher scholar, I believe in bringing the benefit of my research into my teaching to keep students interested in the subject and informed of the latest developments and challenges in the field.