

Curriculum Vitae



Position/Designation: **Professor**

Department: **Biological Sciences and Chemistry**

College: **Arts and Sciences**

University of Nizwa, Sultanate of Oman

Personal Information
Name: Mayson H. Alkhatib Marital Status: Married Email Address: mayson@unizwa.edu.om Contact Numbers: +968 254 46 414
Academic Qualifications
Ph.D. in Biotechnology Science and Engineering, University of Alabama in Huntsville (USA), 2006 M.Sc. in Applied Chemistry (Biochemistry), Jordan University of Science and Technology, 2000 B.Sc. in Applied Chemistry (Analytical), Jordan University of Science and Technology, 1996
Teaching Activities, Current / Previous Experience
Undergraduate Courses: General Biochemistry, Enzymes, Inorganic Biochemistry, Metabolism, Bioenergetics, Analytical Biochemistry, General Biochemistry for Non-Biochemistry Students, Biochemical Terminology and Literature, Computer Applications in Biochemistry, Microbial Toxin, Drug Metabolism, Field Training, Graduation Project. Postgraduate Courses (M.Sc.): Computer Applications in Biochemistry, Biostatistics, Enzymology, Protein Structure and Function, Biotechnology, Special Topics in Biochemistry (Nanotechnology) Postgraduate Courses (Ph.D.): Physical Biochemistry, Biochemical Pharmacology, Biochemistry under Environmental stress, Research Scientific Methods, Special Topics in Biochemistry (Nanomedicine)

Research interests: Formulating nanocarriers for the anticancer and antimicrobial drugs besides evaluating their efficacy and mechanism of actions *in vitro* and *in vivo*.

Conference presentations: Participated and contributed to the 'Patents Hackathon' at King Abdulaziz University 5th International Dental Conference at the Ritz Carlton Hotel in Jeddah, Saudi Arabia, 24th October 2019.

Conference attendance: International Symposium on Environmental Applications of Nanotechnology (20-21/11/2015)

Publications:

1. Ashwaq A. Al-Mutairi, **Mayson H. Alkhatib**, Hana M. Gashlan 'Antitumor Activities of Co-loading Gemcitabine and Oxaliplatin into Oleic Acid-Based Solid Lipid Nanoparticle against Non-Small Cell Lung Cancer Cells', *Biointerface Research in Applied Chemistry*, 2022; 12 (1), 49-60 (**Indexed in Web of Science and Scopus**)
2. **Mayson H. Alkhatib**, Salwa M. Al-Hashemi, Hana M. Gashlan 'Formulating etoposide in a nanoemulsion containing polyunsaturated fatty acids potentiates its anti-proliferation and anti-invasion activities against the ovarian cancer cells', *BIOCELL*, 2021; 45 (3): 295-703. (**Indexed in Web of Science, Impact Factor: 2.821**).
3. Salwa M. Al-Hashemi, **Mayson H. alkhatib**, Hana M. Gashlan 'Inhibition of Colon Cancer Cells Proliferation and Invasion by Etoposide Loaded on Nano-Suspensions Containing Black Currant Seed and Evening Primrose Oils', *Indian Journal of Pharmaceutical Sciences*, 2021; 83(3), 465-472. (**Indexed in Web of Science and Scopus, Impact Factor: 0.975**)
4. **Mayson H. Alkhatib**, Rawan S. Alghamdi, Khadijah S. Balamash & Sohair M. Khojah 'Cinnamon oil nanoemulsion as a novel nanocarrier for bleomycin amplifies its apoptotic effect on SKOV-3 ovarian cancer cells', *Indian Journal of Experimental Biology*, 2021; 59, 697 -704. (**Indexed in Web of Science, Impact Factor: 0.818**)
5. **Mayson H. Alkhatib**, Huda M. Alkreathy, Mashael I. Al Omar, Khadijah S. Balamash, Faiza Abdu, Ahmad Esmat 'Doxorubicin supplemented with pravastatin in lipid nanoemulsion induces antineoplastic activity with limited hepatotoxicity and cardiotoxicity in tumor-bearing mice', *Asian Journal of Pharmaceutical Research and Health Care*, 2021; 13 (1): 242-254. (**Indexed in Web of Science**).
6. Hadeel M. Bayoumi, **Mayson H. Alkhatib**, Madeha N. Al-Seeni 'Carvacrol effect on topotecan cytotoxicity in various human cancer cells *in vitro*', *Pharmacia*, 2021; 68 (2), 353-363 (**Indexed in Web of Science and Scopus**)
7. **Mayson H. Alkhatib**, Shaza A. Alyamani, Faiza Abdu 'Incorporation of methotrexate into coconut oil nanoemulsion potentiates its antiproliferation activity and attenuates its oxidative stress', *Drug Delivery*, 2020; 27(1): 422 - 430. <https://doi.org/10.1080/10717544.2020.1736209>. (**Indexed in Web of Science and Scopus, Impact Factor: 6.419**).
8. **Mayson H. Alkhatib**, Raghdah S. Bawadud, Hana M. Gashlan 'Incorporation of docetaxel and thymoquinone in borage nanoemulsion potentiates their antineoplastic activity in breast cancer cells', *Scientific Reports*, 2020; 10:18124. <https://doi.org/10.1038/s41598-020-75017-5>. (**Indexed in Web of Science and Scopus, Impact Factor: 4.379**).
9. **Mayson H. Alkhatib**, Majidah A. Aljadani, Sawsan H. Mahassni 'Carrying epirubicin on nanoemulsion

containing algae and cinnamon oils augments its apoptotic and anti-invasion effects on human colon cancer cells', *American Journal of Translational Research*, 2020; 12(6): 2463-2472. **(Indexed in Web of Science and Scopus, Impact Factor: 4.06)**.

10. Sahar M. AlMotwaa, **Mayson H. Alkhatib**, Huda M. Alkreathy 'Incorporating ifosfamide into salvia oil-based nanoemulsion diminishes its nephrotoxicity in mice inoculated with tumor' *Bioimpacts*, 2020; 10(1): 9 -16. **(Indexed in Web of Science and Scopus, Impact Factor: 3.831)**
11. Shaza A. Alyamani, **Mayson H. Alkhatib**, Faiza Abdu 'Coconut oil nanoemulsion attenuates methotrexate-induced hepatotoxicity and nephrotoxicity in Ehrlich ascites carcinoma-bearing mice', *Asian Pacific Journal of Tropical Biomedicine*, 2020; 10 (12): 540-546 **(Indexed in Web of Science and Scopus, Impact Factor: 1.903)**.
12. Huda Mohammed Alkreathy, **Mayson H Alkhatib**, Mona Ali Hadeed Al-thepyani, Khadijah Saeed A. Balamash, Sara Khalaf Alghamdi, Shahid Karim, Aftab Ahmad 'Synergistic antitumor activity of doxorubicin and atorvastatin combination loaded nanoemulsion in mice', *International Journal of Pharmacology*, 2020; 16(4): 330 -342. **(Indexed in Web of Science, Impact Factor: 0.754)**.
13. Waad A Al-Otaibi, **Mayson H Alkhatib**, Abdulwahab Noor Wali 'Protective role of nanoemulsion containing Roman Roman chamomile oil against mitomycin C-induced toxicity in Ehrlich ascites carcinoma bearing mice', *Indian Journal of Biochemistry & Biophysics*, 2020; 57: 33 - 44 **(Indexed in Web of Science and Scopus, Impact Factor: 1.918)**.
14. Majidah A. Aljadani, **Mayson H. Alkhatib**, Sawsan H. Mahassni 'Evaluation of the Proliferation and Invasion of Human Hepatocellular Carcinoma Cells Subjected to Epirubicin Formulated with Natural Oils in Nanoemulsion' *Asian Journal of Pharmaceutics*, 2020; 14(1): 1-9 **(Indexed in Web of Science)**.
15. Salwa M. Al-Hashemi, **Mayson H. Alkhatib**, Hana M. Gashlan 'Incorporating Etoposide into PUFA-Rich Oils Nanoemulsion Potentiates its Inhibitory Effect on the Cellular Growth of A549 Non-Small Cell Lung Cancer Cells' *Bioscience Biotechnology Research Communications*, 2020; 13 (1): 106 -112 **(Indexed in Web of Science)**.
16. Raghdah S. Bawadud, **Mayson H. Alkhatib**, Hana M. Gashlan 'Combination of Docetaxel with Thymoquinone in Nanoemulsion Impedes the Migration of Breast Cancer Stem Cells' *International Journal of Pharmaceutical Investigation*, 2020; 10(2): 211- 216 **(Indexed in Web of Science)**.
17. Rawan S. Alghamdi, **Mayson H. Alkhatib**, Khadijah S. Balamash, Sohair M. Khojah 'Apoptotic Effect of Bleomycin Formulated in Cinnamon Oil Nanoemulsion on HeLa Cervical Cancer Cells' *Asian Journal of Pharmaceutics*, 2020, 14(3): 256 -361 **(Indexed in Web of Science)**.
18. **Mayson H. Alkhatib**, Sahar M. AlMotwaa, Huda M. Alkreathy 'Incorporation of ifosfamide into various essential oils –based nanoemulsions ameliorates its apoptotic effect in the cancers cells', *Scientific Reports*, 2019; 9: 695-705 **(Indexed in Web of Science and Scopus, Impact Factor: 4.379)**.
19. Waad A. Al-Otaibi, **Mayson H. Alkhatib**, Abdulwahab Noor Wali 'Evaluation of Antitumor Activity and Hepatoprotective Effect of Mitomycin C Solubilized in Chamomile Oil Nanoemulsion', *Anti-Cancer Agents in Medicinal Chemistry*, 2019; 10: 1232 – 1242. doi: 10.2174/1871520619666190408114732 **(Indexed in Web of Science and Scopus, Impact Factor: 2.556)**.
20. Huda Mohammed Alkreathy, **Mayson H Alkhatib**, Safaa Ahmed Al Musaddi, Khadijah Saeed A. Balamash, Nadia Nour Osman, Aftab Ahmad 'Enhanced anti-tumor activity of doxorubicin and

simvastatin combination loaded nanoemulsion treatment against a Swiss albino mouse model of Ehrlich ascites carcinoma', *Clinical and Experimental Pharmacology and Physiology*, 2019, 46(5): 496-505. doi: 10.1111/1440-1681.13071 **(Indexed in Web of Science and Scopus, Impact Factor: 2.557)**.

21. Sahar M. AlMotwaa, **Mayson H. Alkhatib**, Huda M. Alkreathy 'Hepatotoxic and hematotoxic effects of sage oil-loaded ifosfamide nanoemulsion in Ehrlich ascites carcinoma-bearing mice', *Tropical Journal of Pharmaceutical Research*, 2019, 18 (6): 1205 -1211 **(Indexed in Web of Science and Scopus, Impact Factor: 0.533)**.
22. Sahar M. AlMotwaa, **Mayson H. Alkhatib**, Huda M. Alkreathy 'Nanoemulsion-based camphor oil carrying ifosfamide: preparation, characterization, and in vitro evaluation in cancer cells' *International Journal of Pharmaceutical Sciences and Research*, 2019, 10(4): 2018-2026. **(Indexed in Web of Science)**
23. **Mayson H. Alkhatib**, Waad A. Al-Otaibi, Abdulwahab Noor Wali 'Antineoplastic activity of mitomycin C formulated in nanoemulsions-based essential oils on HeLa cervical cancer cells', *Chemico-Biological Interactions*, 2018; 291: 72-80 **(Indexed in Web of Science and Scopus, Impact Factor: 5.192)**.
24. Waad A. Al-Otaibi, **Mayson H. Alkhatib**, Abdulwahab Noor Wali 'Cytotoxicity and apoptosis enhancement in breast and cervical cancer cells upon coadministration of mitomycin C and essential oils in nanoemulsions formulations', *Biomedicine & Pharmacotherapy*, 2018; 106: 946 – 955 **(Indexed in Web of Science and Scopus, Impact Factor: 6.529)**.
25. **Mayson H. Alkhatib**, Wafa S. Alshehri, Faiza B. Abdu 'In Vivo Evaluation of the Anticancer Activity of the Gemcitabine and Doxorubicin Combined in a Nanoemulsion', *Journal of Pharmacy and Bioallied Sciences*, 2018; 10(1): 35-42 **(Indexed in Web of Science and Scopus)**.
26. **Mayson H. Alkhatib**, Duaa K. Zahim. "Cytotoxicity Effect of the Combination of Doxorubicin and Pravastatin Loaded in Lipid Nanoemulsion on MCF-7 Breast Cancer Cells and HFS Human Foreskin Cells", *International Journal of Pharmaceutical and Phytopharmacological Research*, 2018, 8(2): 31-39 **(Indexed in Web of Science)**.
27. **Mayson H. Alkhatib**, Abrar M. Mizjaji, Abdulwahab NoorWali 'In Vitro Assessment of the Antineoplastic Activity of Doxorubicin Combined with Gemcitabine in a Nanoparticle', *Crescent Journal of Medical and Biological Sciences*, 2018; 5 (2): 76–82 **(Indexed in Web of Science)**.
28. **Mayson H. Alkhatib**, Nujud S. Alnahdi, Wadiah S. Backer 'Antitumor activity, hematoxicity and hepatotoxicity of sorafenib formulated in a nanoemulsion based on the carrot seed oil', *International Journal of Life Science and Pharma Research*, 2018; 8 (1): 51 – 58 **(Indexed in Web of Science)**.
29. **Mayson H. Alkhatib**, May M. Alasmari, Faiza Abdo 'In vivo Assessment of the Hepatotoxicity of Mixed Gemcitabine and 5-Fluorouracil Loaded on Microemulsion in Mice Bearing Ehrlich Ascites Carcinoma' *Advances in Pharmacology and Pharmacy*, 2017; 5 (3): 44 - 50 **(Indexed in Web of Science)**.
30. **Mayson H. Alkhatib**, Bashair M. Binsiddiq and Wadiah S. Backer 'In vivo evaluation of the anticancer activity of a water-in-garlic oil nanoemulsion loaded with docetaxel', *International Journal of Pharmaceutical Sciences and Research*, 2017, 8 (12): 5373-5379 **(Indexed in Web of Science)**.
31. **Mayson H. Alkhatib**, Shrooq A. Alharbi, Sawsan H. Mahassni 'In vivo evaluation of the anticancer activity of the docetaxel incorporated into nanoemulsion based on orange oil', *Pharmacophore*, 2017; 8(6): 41-47 **(Indexed in Web of Science)**.
32. **Mayson H. Alkhatib** and Dalal A. Al-Saedi 'Cytotoxic Effect of the Combination of Gemcitabine and Atorvastatin Loaded in Nanoparticle on the MCF-7 Breast Cancer Cells and HFS Human Foreskin Cells',

Current Nanoscience, 2017; 13 (6): 625 - 633. **(Indexed in Web of Science and Scopus, Impact Factor: 1.824).**

33. **Mayson H. Alkhatib**, Dunya A. Nori, Maryam A. Al-Ghamdi 'Antitumor Activity and Hepatotoxicity Effect of Sorafenib Incorporated into Nanoemulsion Formulated with Flaxseed Oil', *International Journal of Pharmaceutical Research & Allied Sciences*, 2017; 6(1):175-188 **(Indexed in Web of Science)**.
34. Magda M Aly, Roqayah H Kadi, Alia M Aldahlawi, **Mayson H Alkhatib**, Abdulwahab Noor Wali 'Production of the antitumor L-glutamase enzyme from thermotolerant *Streptomyces sp.* D214, under submerged fermentation conditions', *Journal of Experimental Biology and Agricultural Sciences*, 2017, 5 (6): 878–885 **(Indexed in Web of Science)**.
35. **Mayson H Alkhatib**, Dalal A Al-Saedi, Wadiah S Backer 'Cytotoxic Effect of the Combination of Gemcitabine and Atorvastatin Loaded in Microemulsion on the HCT116 Colon Cancer Cells', *International Journal of Pharmaceutical and Clinical Research*, 2017; 9 (2): 146-155.
36. **Mayson H Alkhatib**, Sharifa M. Theeban, Wadiah S Backer 'Antitumor activity of mixing gemcitabine with pravastatin in a microemulsion against A549 non-small cell lung cancer cells', *International Journal of Pharma and Bio Sciences*, 2017; 8(2): 41-47.
37. **Mayson H Alkhatib**, Duaa K Zahim, Wadiah S Backer 'Anticancer Activity of Mixed Doxorubicin and Pravastatin in Nanoemulsions Against HCT 116 Colon Cancer Cells', *International Journal of Drug Delivery Technology*, 2017; 7 (1): 63-70 **(Indexed in Scopus)**.
38. **Mayson H. Alkhatib**, Dunya A. Nori, Maryam A. Al-Ghamdi 'Cardiotoxicity and Hematotoxicity of Sorafenib – Loaded Nanoemulsion in Ehrlich Ascites Carcinoma - Bearing Mice', *Biosciences Biotechnology Research Asia*, 2017; 14 (1): 75 -82.
39. **Mayson H. Alkhatib**, Ashwaq A. Al-Mutairi and Abdulwahab NoorWali 'Anticancer effect of gemcitabine combined with 5-fluorouracil in microemulsion on the HCT-116 colon cancer cells', *International Journal of Development Research*, 2017; 7(2): 1790-11795.
40. **Mayson H. Alkhatib**, Magda M. Aly, Ohud A. Saleh, Hana M. Gashlan 'Antibacterial activity of a microemulsion loaded with cephalosporin', *Biologia*, 2016, 71(7): 748—756. **(Indexed in Web of Science and Scopus, Impact Factor: 1.35)**.
41. **Mayson H Alkhatib**, Huda M. Alkreathy, Khadijah S. Balamash and Faiza Abdu 'Antitumor Activity of Doxorubicine-loaded Nanoemulsion against Ehrlich Ascites Carcinoma-bearing Mice', *Tropical Journal of Pharmaceutical Research*, 2016, 15(5): 937-943. **(Indexed in Web of Science and Scopus, Impact Factor: 0.533)**
42. **Mayson H. Alkhatib**, Magda M. Aly, Rajaa A. Rahbeni, Khadijah S. Balamash 'Antimicrobial Activity of Biocompatible Microemulsions Against *Aspergillus niger* and Herpes Simplex Virus Type 2', *Jundishapur Journal of Microbiology*, 2016, 9(9):e37437. **(Indexed in Web of Science and Scopus, Impact Factor: 1.017)**.
43. **Mayson H. Alkhatib** and Norah S. Alkhayyal 'The apoptotic effect of gemcitabine –loaded-microemulsion (isopropyl myristate/tween 80/span 20/water/ethanol) on A549 non-small cell lung cancer cells', *Cytologia*, 2016, 81 (4): 423-429.**(Indexed in Web of Science and Scopus, Impact Factor: 0.913)**.
44. Abdulwahab Noor Wali, Mohammed Farouk El Shal, **Mayson H. Alkhatib**, Laila A Damiaty. 'Effect of Three

Calmodulin Antagonists on Subpopulations of CD44/CD24 Immunophenotypes in Breast Cancer Cell Lines', *Tropical Journal of Pharmaceutical Research*, 2015, 14(8):1393-1393. **(Indexed in Web of Science and Scopus, Impact Factor: 0.533)**

45. **Mayson H. Alkhatib** and Sahar S. AL-Merabi. 'In vitro assessment of the anticancer activity of simvastatin-loaded microemulsion in liver and colon cancer cells', *Journal of Drug Delivery Science and Technology*, 2014, 24(4), 373-379. **(Indexed in Web of Science and Scopus, Impact Factor: 3.981)**
46. **Mayson H. Alkhatib** and Norah S Alkhayyal. 'Cytotoxicity of Gemcitabine-Loaded-Microemulsions in Breast and Colon Cancer Cells', *Tropical Journal of Pharmaceutical Research*, 2014, 13(2): 217-224. **(Indexed in Web of Science and Scopus, Impact Factor: 0.533)**
47. **Mayson H. Alkhatib** and Wafaa A. Al-qaidi. 'The antiproliferative effect of docetaxel-microemulsion formulation against HepG2 liver cancer cells', *Biosciences Biotechnology Research Asia*, 2014, 11 (1), 1-9. **(ISI, Thomson Reuters Masters Journal List, USA, SCImago Journal Ranking (SJR): 0.122, Index Copernicus Value (ICV): 9.00)**
48. **Mayson H. Alkhatib** and Wafaa A. Al-qaidi. 'Cytotoxicity effect of docetaxel-loaded-microemulsion in A549 non-small cell lung cancer and HCT116 colon cancer cells', *International Journal of Pharma and Biosciences*, 2014, 5 (2): 300 – 315. **(Impact factor: 0.67, SCImago Journal Ranking (SJR): 0.129 (powered by Scopus of Elsevier)**
49. **Mayson H. Alkhatib** and Wafaa A. Al-qaidi. 'Anticancer effect of docetaxel encapsulated in a capryol 90/ cremophor EL/ trascutol microemulsion against MCF-7 breast cancer cells', *Journal of Experimental Biology and Agricultural Sciences*, 2014, 2(1), 1-6. **(Indexed in Web of Science, Index Copernicus Value (ICV) (2012): 4.76, Global Impact Factor (GIF): 0.215)**
50. **Mayson H. Alkhatib** and Sahar S. AL-Merabi. 'The apoptotic effect of the microemulsion formulation of Simvastatin/Cremophor EL/ Transcutol/ Captex355/water in A549 non-small cell lung cancer cells', *International Journal of Development Research*, 2014, 4 (3), 753 – 756. **(Global Impact Factor (2013):0.471)**
51. **Mayson H. Alkhatib** and Hayat M. Albishi. 'In vitro evaluation of antitumor activity of doxorubicin-loaded nanoemulsion in MCF-7 human breast cancer cells', *Journal of Nanoparticle Research*, 2013, 15(3), 1489-1504. **(Indexed in Web of Science and Scopus, Impact factor: 2.253)**
52. **Mayson H. Alkhatib**, Magda M. Aly and Salwa Bagabas. 'Antibacterial Activity and Mechanism of Action of Lipid Nanoemulsions against Staphylococcus aureus', *Journal of Pure and Applied Microbiology*, 2013, vol.7 (Spl.Edn.), 259-267. **(Indexed in Web of Science and Scopus, Impact Factor: 0.073)**
53. Nadia N. Osman, Madeha N. AL-seeni, **Mayson H. Alkhatib** and Hanaa A. Al-shreef. 'Modulation of Radiation Injury by *Physalis Peruviana*', *Life Science Journal*, 2013, 10(4), 3403 – 3410. **(Indexed in Web of Science, Impact factor: 0.165)**
54. Douglas G. Hayes, **Mayson H. Alkhatib**, Javier Gomez del Rio, Volker S. Urban. 'Physicochemical

<p>characterization of water-in-oil microemulsions formed by a binary 1,3-dioxolane alkyl ethoxylate/Aerosol-OT surfactant system', <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i>, 2013, 417, 99-110. (Indexed in Web of Science and Scopus, Impact factor: 4.539)</p> <p>55. Mayson H. Alkhatib, Hayat M. Albishi, and Sawsan H. Mahassni, 'Impact of Nanoparticles on Cancer Therapy', <i>Tropical Journal of Pharmaceutical Research</i>, 2012, 11(6), 1001-1011. (Indexed in Web of Science and Scopus, Impact factor: 0.533)</p> <p>56. Mayson H. Alkhatib, Douglas G. Hayes, Volker Urban 'Characterization of Microemulsion Systems Formed by a Mixed 1,3-Dioxolane Ethoxylate/ Octyl Glucoside Surfactant System' <i>Journal of Surfactants and Detergents</i>, 2009,12(3), 277-283. (Indexed in Web of Science and Scopus, Impact factor: 1.902)</p> <p>57. Ragheb F. Atmeh, Isam M. Arafa, and Maysoon Al-Khateeb 'Albumin Aggregates: Hydrodynamic Shape and Physico-Chemical Properties' <i>Jordan Journal of Chemistry</i>, 2007, 2(2), 169-182. (Indexed in Web of Science).</p> <p>58. Alkhatib, M. H. 2006. Ph.D. Thesis, Biotechnology Ph.D. Program, University of Alabama in Huntsville.</p>
Community Services
<ol style="list-style-type: none"> 1. Participated and contributed to the 'Patents Hackathon' at King Abdulaziz University 5th International Dental Conference at the Ritz Carlton Hotel in Jeddah, Saudi Arabia, 24th October 2019. 2. Arbitrator for the graduate students participating in the Three-Minute Thesis (3MT) (27/02/2020). 3. Arbitrator for the graduate students participating in the Three-Minute Thesis (3MT) (07/12/2020). 4. Presented a lecture 'Methods for Programmed Cell Death Detection of Treated Cancer Cells' for the Biochemistry Students Club in the Faculty of Science (17/2/2021). 5. Chief trainer for a workshop 'Biostatistics using Megastat' in King Fahd Center for Medical Research (24/2/2021).
Membership in Professional Bodies
<ol style="list-style-type: none"> 1. American Chemical Society (ACS) (2001 – 2009) 2. American Oil Chemists' Society (AOCS) (2001 -2006) 3. Neutron Scattering Society of America (NSSA) (2001 – Current) 4. Partnership for Biotechnology Research (PBR) (2001 -2006) 5. LinQBio- The Global Physicians and Scientists Network (2020 – Current)
Awards and recognitions
<ol style="list-style-type: none"> 1- Excellence in the Field of Scientific Publishing Award for the research article entitled 'In vitro evaluation of antitumor activity of doxorubicin-loaded nanoemulsion in MCF-7 human breast cancer cells', 2013, King Abdulaziz University 2- Excellence in the Field of Scientific Publishing Award for the research article entitled 'Antibacterial Activity and Mechanism of Action of Lipid Nanoemulsions against Staphylococcus aureus', 2013, King Abdulaziz University

- 3-** Outstanding Presentation Paper Award of 97th American Oil Chemist's Society Annual Meeting and Expo, St Louis on May, 06. Title: Use of Microemulsions Based on pH-Degradable Surfactants for Protein Solubilization, Release, and Purification.
- 4-** Oak Ridge National Laboratory Scholarship to attend the pulsed Spallation Neutron Source and the steady state High Flux Isotope Reactor (SNS-HFIR) users meeting and workshops, Oct., 2005.
- 5-** Graduate Research Assistant July 2003- August 2006 (NSF Grant) (UAH).
- 6-** NECTAR Fellowship Jan., 2003- July, 2003 (UAH).
- 7-** Graduate Research & Teaching Assistant Jan., 2002 - Jan., 2003 (UAH).
- 8-** Graduate Research & Teaching Assistant Sep., 1997 - Aug., 2000 (JUST).
- 9-** Academic Honor Award in 1995 &1996 (JUST).