

## CURRICULUM VITAE

### PERSONAL DATA

<b>Name</b>	Fahd Ali Nasr
<b>Nationality</b>	Yemeni
<b>Position</b>	Assistant Professor
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### EDUCATION

<b>Year</b>	<b>Academic Degree</b>	<b>Institution</b>
2017	Ph.D. (Cell biology, heredity and tissue).	King Saud University
2012	Master of science in Biochemistry	King Saud University
2007	Bachelor of Science in Biochemistry	King Saud University

### WORK EXPERIENCE

<b>Period</b>	<b>Position</b>	<b>Address</b>
20/08/2023- until now	Assistant Professor	Biology Department, College of Science, Imam Mohammad Ibn Saud Islamic University
2018-2023	Full time Researcher	Pharmacognosy Department, College of Pharmacy, King Saud University.

### RESEARCH INTERESTS

My research interests are mainly in the evaluating the anticancer activity of phytochemical constituents using in vitro different cancer cell lines. I mainly focus on apoptosis pathway and signaling molecules involved in cell death. Methods and techniques used: MTT assay, fluorescence microscopy, RT-PCR, Flow cytometry.

## PUBLICATIONS

### Patents

1. Yahia Nasser Mabkhot, Jamal Mohammed Ali Khaled, Mujeeb Abdullah Sultan, **Fahd Ali Nasr Mohammed**, Naiyf Sultan Helial Alaloi Alharbi , Salim Showiman Al-Showiman , Hazem Ahmed Ghabbour. Enaminone-Grafted Trithiocarbonate Derivative with Anticancer and Antimicrobial Activity. 4th Conventor. Patent No.:US 10,071,960 . Sep.11, **2018**.
2. Yahia Nasser Mabkhot, Jamal Mohammed Ali Khaled, Naiyf Sultan Helial Alaloi Alharbi, **Fahd Ali Nasr Mohammed**, Fahd Abdo Almekhlafi, Nael Mahmmod Abutaha, Salim S. Al-Showiman. Synthesis of thiazole derivative as anticancer and anti-antibiotics resistant bacteria agent. 6th Conventor. Patent No.:US 10501426. Dec.10, **2019**.

### Articles

1. Bazzi MD, **Nasr FA**, M.S. Alanazi, A. Alamri, A.A. Turjoman, A.S. Moustafa, A.A. Alfadda, A.A.K. Pathan and N.R. Parine. Association between FTO, MC4R, SLC30A8, and KCNQ1 gene variants and type 2 diabetes in Saudi population. Genet. Mol. Res. **2014**; 13 (4): 10194-10203 .
2. AL-Zharani M, Abutaha N, **Nasr FA**, Dekhil H and Wadaan MA. Evaluation of Medicinal Plant Extracts against LOVO and MDA-MB-231 Adenocarcinoma Cell Lines. Research Journal of Biotechnology. **2017**: 12 (1).
3. Alagrafi FS, Alawad AO, Abutaha NM, **Nasr FA**, Alhazzaa OA, Alharbi SN, et al. In vitro induction of human embryonal carcinoma differentiation by a crude extract of *Rhazya stricta*. BMC Complementary and Alternative Medicine, **2017**; 17 (1):342.
4. **Nasr FA**, Abutaha N , Al-Zahrani M, Farooq M, Wadaan MA. Anticancer Potential of Plant Extracts from Riyadh (Saudi Arabia) on MDA-MB-231 Breast Cancer Cells. African Journal of Traditional Complementary and Alternative Medicines, **2018**; 15 (4): 46-53.
5. Abutaha N, **Nasr FA**, Al-Zahrani M, Semlali A , Al-Mekhlafi FA and Wadaan MA. *Calendula arvensis* L. as an anti-cancer agent against breast cancer cell lines. Molecular Biology Reports. **2019**;46(2):2187-2196.
6. Noman OM, Mothana RA, Al-Rehaily AJ, Al qahtani AS, **Nasr FA**, Khaled JM, Alajmi MF, Al-Said MS. Phytochemical analysis and anti-diabetic, anti-inflammatory and antioxidant activities of *Loranthus acaciae* Zucc. Grown in Saudi Arabia. Saudi Pharmaceutical Journal **2019**, 27 : 724–730.
7. Abutaha N, **Nasr FA**, Al-zharani M, Al qahtani AS Noman OM et al. Effects of Hexane Root Extract of *Ferula hermonis* Boiss. on Human Breast and Colon Cancer Cells: An In Vitro and In Vivo Study. BioMed Research International, 2019, **2019**: 3079895.
8. Mothana RA , **Nasr FA**, Khaled JM, AL-Zharani M, Noman OM et al.. Analysis of Chemical Composition and Assessment of Cytotoxic, Antimicrobial, and Antioxidant Activities of the Essential Oil of *Meriandra dianthera* Growing in Saudi Arabia. Molecules, **2019**, 24: 2647.
9. Farooq M, Abutaha N, **Nasr FA**, Alqahtani AS, Noman OM and Wadaan MA. Bitter gourd (*Momordica charantia*) possess developmental toxicity as revealed by screening the seeds and fruit extracts in zebrafish embryos. BMC Complement Altern Med. **2019**, 19(1):184.
10. Al-Zharani M, **Nasr FA**, Abutaha N , Alqahtani AS , Noman OM, Mubarak M and Wadaan MA. Apoptotic Induction and Anti-Migratory Effects of *Rhazya Stricta* Fruit Extracts on a Human Breast Cancer Cell Line. Molecules **2019**, 24, 3968.
11. Alqahtani AS, Noman OM, Rehman T, Siddiqui NA, Alajmi MF, **Nasr FA**, Shahat AA , Alam P. The Influence of Variations of Furanosquiterpenoids Content of Commercial Samples of Myrrh on their biological Properties. Saudi Pharmaceutical Journal, **2019**, 27 : 981–989.

12. Alqahtani AS, **Nasr FA**, Noman OM, Farooq M, Alhawassi T, Qamar W, El-Gamal A. Cytotoxic Evaluation and Anti-Angiogenic Effects of Two Furano-Sesquiterpenoids from *Commiphora myrrh* Resin. *Molecules*, **2020**, 25, 1318.
13. Mothana RA, **Nasr FA**, Khaled JM, Noman OM, Abutaha N, Al-Rehaily AJ, Almarfadi OA and Kurkcuglu M. *Ducrosia ismaelis* Asch. essential oil: chemical composition profile and anticancer, antimicrobial and antioxidant potential assessment. *Open Chemistry*; **2020**, 18: 175–184.
14. Farooq M, **Nasr FA**, Almoutiri ND, Al-yahya N, Wadaan MA, Abutaha N. The phytochemical screening and antiangiogenic activity of *audthan alhimar* (*Moricandia sinaica* Boiss.) extracts in zebrafish embryos and human umbilical vein endothelial cells. *Journal of King Saud University – Science*; **2020**, 32: 2370–2376.
15. Abutaha NM, Farooq MF, **Nasr FA**, Almekhlafi FAA, Wadaan M. Bioassay-Guided Fractionation of Endophytic Fungal Extract of *Fusarium solani* (Saccardo) against Cancer Cell Lines and Zebrafish Embryo. *Indian J of Pharmaceutical Education and Research*. **2020**; 54(2s):s301-s308.
16. Noman OM, **Nasr FA.**, Mothana RA , Alqahtani AS, Qamar W, Al-Mishari AA et al. Isolation, Characterization, and HPTLC-Quantification of Compounds with Anticancer Potential from *Loranthus Acaciae* Zucc. *Separations* **2020**, 7(3), 43; <https://doi.org/10.3390/separations7030043>
17. **Nasr FA**, Noman OM, Mothana RA, Alqahtani AS and Al-Mishari AA. Cytotoxic, antimicrobial and antioxidant activities and phytochemical analysis of *Artemisia judaica* and *A. sieberi* in Saudi Arabia. *African Journal of Pharmacy and Pharmacology* **2020**, 14(8): 278-284.
18. **Nasr FA**, Shahat AA, Alqahtani AS, Ahmed MZ, Qamar W, Al-Mishari AA and Almoqbil AN. *Centaurea bruguierana* inhibits cell proliferation, causes cell cycle arrest, and induces apoptosis in human MCF-7 breast carcinoma cells. *Molecular Biology Reports* 2020, 47:6043–6051.
19. Khan MF , **Nasr FA** , Noman OM , Alyhya NA et al. Cichorins D–F: Three New Compounds from *Cichorium intybus* and Their Biological Effects. *Molecules* **2020**, 25(18), 4160; <https://doi.org/10.3390/molecules25184160>
20. **Nasr FA**, Noman OM, Alqahtani AS, Qamar W, Ahamad SR, Al-Mishari AA, Alyhya N, Farooq M. Phytochemical constituents and anticancer activities of *Tarchonanthus camphoratus* essential oils grown in Saudi Arabia. *Saudi Pharmaceutical Journal* **2020**, 28, 11: 1474-1480.
21. Alqahtani AS, Herqash RN, Noman OM, **Nasr FA**, Alyhya N, Anazi SH Farooq M and Ullah R. In Vitro Antioxidant, Cytotoxic Activities, and Phenolic Profile of *Senecio glaucus* from Saudi Arabia. *Evidence-Based Complementary and Alternative Medicine* **2020**, 2020: 8875430. <https://doi.org/10.1155/2020/8875430>
22. Kazi M, **Nasr FA**, Noman O, Alharbi A, Alqahtani MS and Alanazi FK. Development, Characterization Optimization, and Assessment of Curcumin-Loaded Bioactive Self- Nanoemulsifying Formulations and Their Inhibitory Effects on Human Breast Cancer MCF-7 Cells. *Pharmaceutics* **2020**, 12(11), 1107 .
23. Al-zharani M, Qurtam AA, Daoush WM, Eisa MH, Aljarba NH, Alkahtani S, **Nasr FA**. Antitumor effect of copper nanoparticles on human breast and colon malignancies. *Environmental Science and Pollution Research* (**2021**) 28:1587–1595.
24. Khan MF , Alqahtani A.S , Almarfadi OM, **Nasr FA**, Noman OM et al. The Reproductive Toxicity Associated with *Dodonaea viscosa*, a Folk Medicinal Plant in Saudi Arabia. *Evidence-Based Complementary and Alternative Medicine*, **2021**, Article ID 6689110.
25. Khan MF , **Nasr FA**, Baabbad A.A., Alqahtani A.S , Wadaan MA. Investigating the Anticancer Activity and Characterization of Bioactive Constituents of *Moricandia sinaica* (Boiss.) Boiss through In Vitro and In Silico Approaches in Triple-Negative Breast Cancer Cell Line. *Appl. Sci.* **2021**, 11, 1244.
26. Barnawi I.O., **Nasr FA**, Noman OM, Alqahtani A.S, Al-zharani M. et al. Induction of apoptosis and cell cycle arrest by chloroform fraction of *Juniperus phoenicea* and chemical constituents analysis. *Open Chemistry* **2021**; 19: 119–127.

27. Abdullah MM, Siddiqui NA., Mothana RA, **Nasr FA** et al. Design, in-silico study and biological evaluation of newly synthesized 3-chlorobenzofuran congeners as antitubercular agents. *Arabian Journal of Chemistry* (2021) 14, 103034.
28. Noman OM, **Nasr FA**, Alqahtani AS, Al-zharani M et al., Comparative study of antioxidant and anticancer activities and HPTLC quantification of rutin in white radish (*Raphanus sativus* L.) leaves and root extracts grown in Saudi Arabia. *Open Chemistry* 2021; 19: 408–416.
29. Al-Zharani M, **Nasr FA**, Alqahtani AS, Cordero MAW, Alotaibi AA et al., In Vitro Cytotoxic Evaluation and Apoptotic Effects of *Datura innoxia* Grown in Saudi Arabia and Phytochemical Analysis. *Appl. Sci.* 2021, 11, 2864. <https://doi.org/10.3390/app11062864>
30. Orfali R, Perveen S, Khan MF , Atallah FA, Alqahtani AS, **Nasr FA** et al., Antiproliferative Illudalane Sesquiterpenes from the Marine Sediment Ascomycete *Aspergillus oryzae*. *Mar. Drugs* 2021, 19, 333. <https://doi.org/10.3390/md19060333>.
31. Adil SF, Shaik MR, **Nasr FA**, Alqahtani AS et al., Enhanced Apoptosis by Functionalized Highly Reduced Graphene Oxide and Gold Nanocomposites in MCF-7 Breast Cancer Cells. *ACS Omega* 2021, 6, 15147–15155.
32. Alqahtani AS , Herqash RN , Noman OM , Rehman Md., Shahat AA, Alajmi MF and **Nasr FA**. Impact of Different Extraction Methods on Furanosesquiterpenoids Content and Antibacterial Activity of *Commiphora myrrha* Resin. *Journal of Analytical Methods in Chemistry* Volume 2021, Article ID 5525173.
33. **Nasr FA\***, Alqahtani AS, Alotaibi AA, Noman OM, Al-zharani M et al., Assessment of anti-proliferative and apoptotic activities of *Centaurothamnus maximus* and GC-MS analysis of bioactive fraction. *Fresenius Environmental Bulletin*, Volume 30– No. 08/2021 : 10297-10305.
34. Mohammad Z. Ahmed, **Nasr FA\***, Wajhul Qamar, Noman OM et al., Janerin Induces Cell Cycle Arrest at the G2/M Phase and Promotes Apoptosis Involving the MAPK Pathway in THP-1, Leukemic Cell Line. *Molecules* 2021, 26, 7555. <https://doi.org/10.3390/molecules26247555>
35. Alqahtani AS , Herqash RN , Alqahtani F, Syed Rizwan Ahamad, **Nasr FA**, Noman OM. GC-MS Method for Quantification and Pharmacokinetic Study of Four Volatile Compounds in Rat Plasma after Oral Administration of *Commiphora myrrh* (Nees) Engl. Resin and In Vitro Cytotoxic Evaluation. *Separations* 2021, 8, 239. <https://doi.org/10.3390/separations8120239>
36. **Nasr FA\***, Noman OM, Mothana RA, Alqahtani AS et al., Comparative evaluation of two *Ferula* species with relevance to phytochemical analysis and antioxidant antimicrobial and cytotoxic activities. *Fresenius Environmental Bulletin*, Volume 31– No. 03/2022 : 2935- 2941.
37. Alghaith AF., Mahrous GM., Alqahtani AS., **Nasr FA** et al., Enhancement of the dissolution and in-vitro activity of a new antineoplastic agent. *Pharmaceutical Development and Technology*, 2022, 27, 2: 134-144.
38. Alqahtani AS, Ghorab MM, **Nasr FA**, Ahmed MZ, Al-Mishari AA and Attia S M. Novel sulphonamide-bearing methoxyquinazolinone derivatives as anticancer and apoptosis inducers: synthesis, biological evaluation and in silico studies. *Journal of Enzyme Inhibition and Medicinal Chemistry*. 2022, 37, NO. 1, 86–99.
39. Alqahtani AS, Ghorab MM, **Nasr FA**, Ahmed MZ, Al-Mishari AA and Attia SM. The Antiproliferative and Apoptotic Effects of a Novel Quinazoline Carrying Substituted- Sulfonamides: In Vitro and Molecular Docking Study. *Molecules* 2022, 27, 981. <https://doi.org/10.3390/molecules27030981>
40. Alqahtani AS, Ghorab MM, **Nasr FA\***, Ahmed MZ, Al-Mishari AA and Attia S M, Khan MF. Cytotoxicity of Newly Synthesized Quinazoline–Sulfonamide Derivatives in Human Leukemia Cell Lines and Their Effect on Hematopoiesis in Zebrafish Embryos. *Int. J. Mol. Sci.* 2022, 23, 4720. <https://doi.org/10.3390/ijms23094720>

41. Al-Hamoud GA, Fantoukh OI, Amina M, **Nasr FA** et al., Unprecedented Insights on Chemical and Biological Significance of Euphorbia cactus Growing in Saudi Arabia. *Plants* **2022**, 11, 681. <https://doi.org/10.3390/plants11050681>
42. Aati HY., Perveen S , Al-Qahtani J, Peng J, Al-Taweel A, Alqahtani AS, ElGamal A, Chianese G, **Nasr FA** et al., Euphocactoside, a New Megastigmane Glycoside from Euphorbia cactus Growing in Saudi Arabia. *Plants* **2022**, 11, 811. <https://doi.org/10.3390/plants11060811>
43. **Nasr FA\***, Siddiqui NA, ElGamal AA, Al-Massarani SM et al., Cytotoxic activity of guaiane-type sesquiterpene lactone (deoxycynaropicrin) isolated from the leaves of Centaurothamnus maximus. *Open Chemistry* **2022**; 20: 410–416.
44. Almarfadi OM., Siddiqui N., Shahat AA, Alqahtani AS, Perwez A, **Nasr FA** et al., Quantification of biomarkers and evaluation of antioxidant, anti-inflammatory, and cytotoxicity properties of Dodonaea viscosa grown in Saudi Arabia using HPTLC technique. *Open Chemistry* **2022**; 20: 559–569.
45. Sherif AY, Harisa GI., Alanazi FK, **Nasr FA**, Alqahtani AS. Engineered Nanoscale Lipid-Based Formulation as Potential Enhancer of Gefitinib Lymphatic Delivery: Cytotoxicity and Apoptotic Studies Against the A549 Cell Line. *AAPS PharmSciTech* (**2022**) 23:183 <https://doi.org/10.1208/s12249-022-02332-7>
46. Sherif AY, Harisa GI., Alanazi FK, **Nasr FA**, Alqahtani AS. PEGylated SLN as a Promising Approach for Lymphatic Delivery of Gefitinib to Lung Cancer. *International Journal of Nanomedicine* **2022**:17 3287–3311.
47. Noman O, **Nasr FA.**, Ahmed MZ.et al, Assessment of the Anticancer Effect of Chlorojanerin Isolated from Centaurothamnus maximus on A549 Lung Cancer Cells. *Molecules* **2023**, 28, 3061. <https://doi.org/10.3390/molecules28073061>
48. Kazi M, Khan MF, **Nasr FA** et al., Development of Curcumin and Piperine-Loaded Bio- Active Self-Nanoemulsifying Drugs and Investigation of Their Bioactivity in Zebrafish Embryos and Human Hematological Cancer Cell Lines. *International Journal of Nanomedicine* **2023**:18 1793–1808.
49. Al-zharani M, **Nasr FA**, Barnawi IO et al., In Vitro Cytotoxicity Assessment of Abutilon pannosum Chloroform Fraction and Its Phytoconstituents Analysis. *Processes* **2023**, 11, 1306. <https://doi.org/10.3390/pr11051306>
50. Elzayat EM, Sherif AY, **Nasr FA**, et al. Enhanced Codelivery of Gefitinib and Azacitidine for Treatment of Metastatic-Resistant Lung Cancer Using Biodegradable Lipid Nanoparticles Materials **2023**, 16, 5364. <https://doi.org/10.3390/ma16155364>