

# Wamidh H. Talib

Professor of Cancer Biology



## Research background

- Listed among the top 2% of scientists in science-wide author databases of standardized citation indicators (Stanford University's global list) for two years (2020-2021). Ranked in the top 0.86% in oncology field (2021). Sources:
- <https://elsevier.digitalcommonsdata.com/.../btchxktzyw/3...>  
<https://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.3000384>
- My interview with the author of bestseller book on using natural products to treat cancer (15-June-2020): [https://www.youtube.com/watch?v=FENd\\_tMNUQY&t=45s](https://www.youtube.com/watch?v=FENd_tMNUQY&t=45s)
- Added to the list of the most influential researchers in Jordan (April 2019)

## LINKS

Google Scholar : 2919 citation

<https://scholar.google.com/citations?user=GF2d1REAAA&hl=en>

Research gate :

[https://www.researchgate.net/profile/Wamidh\\_Talib](https://www.researchgate.net/profile/Wamidh_Talib)

SCOPUS :

<https://www.scopus.com/authid/detail.uri?authorId=35732779000>

Pubmed :

<https://www.ncbi.nlm.nih.gov/pubmed/?term=wamidh+h+talib>

Publons:

<https://publons.com/researcher/1516695/wamidh-h-talib/>

Linkedin:

<https://www.linkedin.com/in/dr-wamidh-talib-99060b2a/>

**my interview:**

[https://www.youtube.com/watch?v=FENd\\_tMNUQY&t=45s](https://www.youtube.com/watch?v=FENd_tMNUQY&t=45s)

## EDUCATION

**PhD** in Biology/ cancer biology. Oct 2005-  
University of Jordan, Amman, Jordan Jun 2010

**M.Sc.**, Biology/tumor immunology. Sep 2000-  
University of Jordan, Amman, Jordan Jun 2004

**Postgraduate diploma** Medical Feb 1995-  
Analysis. University of Jordan, Jun 1999  
Amman, Jordan Feb 1995-

**B.Sc.** Biology. University of Jordan, Jun 1999  
Amman, Jordan

## CONTACT

Department of Clinical Pharmacy and  
Therapeutics, Faculty of Pharmacy, Applied  
Science Private University. Amman, Jordan.  
Tel: 00962-7998-40-987 Emails:  
w\_talib@asu.edu.jo,  
altaei\_wamidh@yahoo.com

## POSTGRADUATE THESES

Oct 2005- Jun 2010, Ph.D thesis: Biological  
activity of some plant extracts with special  
emphasis on anti-tumor potential  
Jan 2002-Jun 2004, M.Sc thesis: The Generation  
of Novel Monoclonal Antibodies to be used in  
Diagnosis of Tumors of Lymphoid Origin.

## WORK EXPERIENCE

Sep -2019- present	Full professor of Cancer Biology. Faculty of Pharmacy, Applied Science Private University, Amman, Jordan
Sep-2018 – Sep-2019	Assistant Dean for Graduate Studies. Faculty of Pharmacy, Applied Science Private University, Amman, Jordan
Sep-2016 – Sep-2018	Assistant Dean. Applied Science Private University, Amman, Jordan
Sep-2015 – Sep-2019	Associate Professor of Cancer Biology. Applied Science Private University, Amman, Jordan
Sep-2011 – Sep-2015	Assistant Professor of Cancer Biology. Applied Science Private University, Amman, Jordan
Oct-2010 – Sep-2011	Lecturer/Part time. . Faculty of Pharmacy, Applied Science Private University, Amman, Jordan
Dec-2004- Aug-2010	Biology Teacher/Part time for IGCSE and SAT students. Oxford Schools, Amman, Jordan
Jan-2003 – Jun-2006	Research Assistant. Department of Biology, Jordan University, Amman, Jordan
Sep-1999 – Jun-2002	Laboratory Teaching Assistant. Department of Biology, Jordan University, Amman, Jordan

## ACADEMIC SERVICE

Sep 2014- present: Chair, Scientific research and postgraduate studies committee, Faculty of Pharmacy, Applied Science University, Amman, Jordan

Sep 2015- Sep 2019: Member, Faculty Board, Faculty of Pharmacy, Applied Science University

2017- Sep 2018: Chair, Scientific Research committee, Faculty of Pharmacy, Applied Science University

Sep 2016-Sep 2017: Chair, Scientific activities committee, Faculty of Pharmacy, Applied Science University

Sep 2014- Sep 2015: Member, Instruments and General Safety Committee, Faculty of Pharmacy, Applied Science University,

Sep 2013- Sep 2014: Member, Faculty Board, Faculty of Pharmacy, Applied Science University

Sep 2013- Sep 2014: Chair, Instruments and General Safety Committee, Faculty of Pharmacy, Applied Science University.

Sep 2013- Sep 2014: Member, Quality control and Accreditation Committee, Faculty of Pharmacy, Applied Science University

Sep 2012- Sep 2013: Member, Scientific Research and Promotion Committee, Faculty of Pharmacy, Applied Science University.

# Publications

1. Talib, W.H.; Alsayed, A.R.; Barakat, M.; Abu-Taha, M.I.; Mahmud, A.I. Targeting Drug Chemo-Resistance in Cancer Using Natural Products. *Biomedicines* 2021, 9, 1353. <https://doi.org/10.3390/biomedicines9101353>
2. Talib, W.H.; Mahmud, A.I.; Kamal, A.; Rashid, H.M.; Alashqar, A.M.D.; Khater, S.; Jamal, D.; Waly, M. Ketogenic Diet in Cancer Prevention and Therapy: Molecular Targets and Therapeutic Opportunities. *Curr. Issues Mol. Biol.* 2021, 43, 558-589. <https://doi.org/10.3390/cimb43020042>.
3. Al Mahmud, WH Talib. Anticancer activity of *Mandragora autumnalis*: an in vitro and in vivo study. *Pharmacia*, 2021
4. Talib, Wamidh H., et al. "Melatonin in Cancer Treatment: Current Knowledge and Future Opportunities." *Molecules* 26.9 (2021): 2506.
5. Abaza, Ismail, et al. "Aroma Profile, Chemical Composition and Antiproliferative Activity of the Hydrodistilled Essential Oil of a Rare *Salvia* Species (*Salvia greggii*)." *Journal of Biologically Active Products from Nature* 11.2 (2021): 129-137.
6. Talib, Wamidh H., et al. "Diabetes and Cancer: Metabolic Association, Therapeutic Challenges, and the Role of Natural Products." *Molecules* 26.8 (2021): 2179.
7. AlKury, Lina T. Al, Zainab Taha, and Wamidh H. Talib. "Immunomodulatory and Anticancer Activities of *Hyacinthus orientalis* L.: An In Vitro and In Vivo Study." *Plants* 10.4 (2021): 617.
8. Sabbah, Dima A., et al. "New derivatives of sulfonylhydrazone as potential antitumor agents: Design, synthesis and cheminformatics evaluation." *Acta Pharmaceutica* 71.4 (2021): 545-565.
9. Talib, Wamidh H., Muna Barakat, and Lina T. Al Kury. "Hyperhomocysteinemia and Cancer: The Role of Natural Products and Nutritional Interventions." *Nutritional Management and Metabolic Aspects of Hyperhomocysteinemia* 6.9 (2021): 9.
10. Abu-Odeh, Alaa M., and Wamidh H. Talib. "Middle East Medicinal Plants in the Treatment of Diabetes: A Review." *Molecules* 26.3 (2021): 742.
11. Ababneh, Taher S., et al. "Synthesis, computational, anticancerous and antiproliferative effects of some copper, manganese and zinc complexes with ligands derived from symmetrical 2, 2'-diamino-4, 4'-dimethyl-1, 1'-biphenyl-salicylaldehyde." *Polish Journal of Chemical Technology* 1.ahead-of-print (2021).
12. Plant-derived Natural Products in Cancer Research: extraction, mechanism of action, and drug formulation. *Molecules*. 2020. Accepted.
13. In vitro evaluation of the antioxidant, anti-Propioni bacterium acne and antityrosinase effects of *Equisetum ramosissimum* (Jordanian horsetail)." *Tropical Journal of Pharmaceutical Research* 19.10 (2020): 2147-2152.
14. Resveratrol and Tumor Microenvironment: Mechanistic Basis and Therapeutic Targets. *Molecules*. 2020 Jan;25(18):4282.
15. The Impact of Herbal Infusion Consumption on Oxidative Stress and Cancer: The Good, the Bad, the Misunderstood. *Molecules*. 2020;25(18):4207.
16. New maleimide 1,2,3-triazole hybrids: design, synthesis, anticancer, and antimicrobial activities. *Monatshefte für Chemie-Chemical Monthly*, 2020.
17. Synthesis, computational, anticancerous and antiproliferative effects of some copper, manganese and zinc complexes with ligands derived from symmetrical 2,2'-diamino-4,4'-dimethyl-1,1'-biphenyl-salicylaldehyde. *Polish Journal of Chemical Technology*. 2020: accepted
18. Do herbal drinks augment the cytotoxic effect against different cancer cells? Are they potent stimulators of innate and acquired immunity?." *Journal of Clinical Oncology* (2020) 38, no. 15\_suppl. DOI: 10.1200/JCO.2020.38.15\_suppl.e21657 (IF: 28.245).
19. Investigations on the spontaneous emitted and hydrodistilled volatiles of *Platycladus orientalis* (L.) Franco grown in four different biogeographic zones of Jordan. *Biochemical Systematics and Ecology*. 2020, accepted
20. *Terfezia boudieri*: A Desert Truffle With Anticancer and Immunomodulatory Activities. *Front. Nutr.* (2020) 7:38.
21. Ketogenic Diet Combined With Melatonin Overcomes Cisplatin and Vincristine Drug Resistance in Breast Carcinoma Syngraft. *Nutrition* (2020), 72,
22. In Vitro Characteristics of a Combination of Thymoquinone-Resveratrol Loaded and Targeted Nanodrug Delivery System." *Jordan Journal of Pharmaceutical Sciences* 13, no. 1 (2020).
23. Cis and trans- palladium (II) complexes derived from SNN amidrazone pincer ligand: Synthesis, crystal structures and biological evaluation. *Journal of Molecular Structure* 1197 (2019): 282-291.
24. *Varthemia iphionoides* and *Pelargonium graveolens* Extracts as a Treatment of Breast Cancer Implanted in Diabetic Mice. *Pharmacognosy Magazine* 15 (2019): 698-707.
25. Ligand-Based Drug Design: Synthesis and Biological Evaluation of Substituted Benzoin Derivatives as Potential Antitumor Agents." *Medicinal Chemistry* 15, no. 4 (2019): 417-429.
26. Role of curcumin in regulating p53 in breast cancer: overview of mechanism of action. *Breast Cancer: Targets and Therapy* 10 (2018): 2017-217.
27. In Vivo Evaluation of *Antirrhinum majus*' Wound-Healing Activity." *Scientia pharmaceutica* 86.4 (2018): 45.
28. Parthenolide inhibits tumor-promoting effects of nicotine in lung cancer by inducing P53-dependent apoptosis and inhibiting VEGF expression." *Biomedicine & Pharmacotherapy* 107 (2018): 1488-1495.

29. A new acetylacetone derivative inhibits breast cancer by apoptosis induction and angiogenesis inhibition. *J Can Res Ther* 15.5 (2019): 1141.
30. The effect of polymer length on the in vitro characteristics of a drug loaded and targeted silica nanoparticles. *Saudi Pharmaceutical Journal* 26.7 (2018): 1022-1026.
31. Benzoin Schiff Bases: Design, Synthesis, and Biological Evaluation as Potential Antitumor Agents. *Medicinal Chemistry*, (2018) 14, pp.1-14.
32. Melatonin and Cancer Hallmarks. *Molecules*. 2018 Feb 26;23(3):518.
33. Synergistic effect of thymoquinone and melatonin against breast cancer implanted in mice. *J Can Res Ther* (2018), 14(9), p.324.
34. Consumption of garlic and lemon aqueous extracts combination reduce tumor burden by angiogenesis inhibition, apoptosis induction, and immune system modulation. *Nutrition*. 2017; 43-44: 89-97.
35. A targeted drug delivery system of anti-cancer agents based on folic acid cyclodextrin-long polymer functionalized silica nanoparticles. *Journal of Drug Delivery Science and Technology*. 2017; 41: 367-374.
36. Regressions of Breast Carcinoma Syngraft Following Treatment with Piperine in Combination with Thymoquinone. *Sci. Pharm.* 2017;85 (3):27.
37. Antitumor effect of thymoquinone combined with resveratrol on mice transplanted with breast cancer. *Asian Pacific Journal of Tropical Medicine*. 2017; 10 (4), 400-408.
38. Combination of metformin and curcumin targets breast cancer in mice by angiogenesis inhibition, immune system modulation, and induction of p53 independent apoptosis. *Therapeutic Advances in Medical Oncology*. 2017; 9 (4), 235-252
39. In vitro anticancer, anti-inflammatory, and antioxidant potentials of *Ephedra aphylla*. *Journal of cancer research and therapeutics* 14.6 (2018): 1350..
40. Phytochemical Investigation and Antimicrobial Activities of Jordanian *Psidium guajava* Raw Fruit Peel Extract using Soxhlet and Microwave Extraction Methods. *Research Journal of Medicinal Plants*, 2016, 10: 443-449.
41. *Propionibacterium acnes* Augments Antitumor, Anti-Angiogenesis and Immunomodulatory Effects of Melatonin on Breast Cancer Implanted in Mice. *PLoS One*. 2015;10(4):e0124384.
42. Immune evasion in cancer: Mechanistic basis and therapeutic strategies. *Semin Cancer Biol*. 2015; 35:S185-S198.
43. Cancer prevention and therapy through the modulation of the tumor microenvironment. *Semin Cancer Biol*. 2015;35: S199-S223
44. Designing a Broad-Spectrum Integrative Approach for Cancer Prevention and Treatment. *Semin Cancer Biol*. 2015; 35: S276-S304.
45. Synthesis, spectral, X-ray single structure, DFT Calculations and Antimicrobial Activities of [Co(II)X<sub>2</sub> (dmphe)] (X= Br and SCN<sup>-</sup>). *Journal of Molecular Structure*. (2015). 1086: 153-160.
46. Chinese green tea (Lung Chen) consumption reduces oxidative stress, inflammation and tissues damage in smoke exposed rats. *Iranian Journal of Basic Medical Sciences* (2014). 17(10):740-746.
47. Tumor Associated Immune Dysfunction: Immune Cells Involved and Suggested Therapies. *Annual Research & Review in Biology* (2014). 4(24): 4190-4201.
48. Synthesis and Biological Activity of Novel Schiff Bases derived from metronidazole. *Medicinal Chemistry Research* (2014). 23 (11): 4872-4882.
49. Characterization and biological activities of two copper(II) complexes with dipropylentriamine and diamine as ligands. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* (2014). 127:225-30.
50. Heterotrimetallic Ru(II)/Pd(II)/Ru(II) complexes: Synthesis, crystal structure, spectral characterization, DFT calculation and antimicrobial study. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* (2014). 122: 273–282
51. Morning salivary cortisol associates with elevated serum leptin levels in Jordanian young men with olive pollen induced allergic rhinitis. *British J Med Med Res*. (2014). 4(3): 797-806.
52. Combinatorial Effects of Thymoquinone on the Anticancer Activity and Hepatotoxicity of the Prodrug CB 1954. *Sci. Pharm.* (2013). 81: 519-530.
53. Jordanian *Ducrosia flabellifolia* Inhibits Proliferation of Breast Cancer Cells by Inducing Apoptosis. *British J Med Med Res*. (2013). 3(3):771-783.
54. Synthesis, characterization, and antimicrobial activity of Schiff bases derived from benzaldehydes and 3,30-diaminodipropylamine. *Arabian J. Chem.* (2015). 8: 850-857..
55. Combination of *Ononis hirta* and *Bifidobacterium longum* decreases syngeneic mouse mammary tumor burden and enhances immune response. *J Cancer Res Ther*. (2012). 8(3):417-23
56. Immunotoxicity Induced by Acute Subtoxic Doses of Paraquat Herbicide: Implication of Shifting Cytokine Gene Expression toward T-Helper (TH)-17 Phenotype. *Chem. Res. Toxicol* (2012). 25(10): 2112-2116.

57. Antiproliferative, Antimicrobial, and Apoptosis Inducing effects of Compounds Isolated from *Inula Viscosa*. *Molecules* (2012). 17: 3291-3301.
58. Anticancer and Antimicrobial Potential of Plant-Derived Natural Products. In: Iraj Rasooli (editor), *Phytochemicals - Bioactivities and Impact on Health*, (2011). Ch.6, PP 141-158, Intech, Croatia.
59. Antiproliferative activity of plant extracts used against cancer in traditional medicine. *Sci. Pharm.* (2010). 78: 33-45.
60. Antimicrobial, Cytotoxicity and Phytochemical Screening of Jordanian Plants Used in Traditional Medicine. *Molecules* (2010). 15: 1811-1824.

## Awards

- Oct-2021: award for highest H-index in Scopus on the level of Applied Science Private University.
- Sep-2020: Award for highest citations in SCOPUS database in the faculty of pharmacy- Applied Science Private University.
- May-2019: Award for highest citations in Applied Science Private University for the academic year 2018-2019
- April-2019: added to the list of the most influential researchers in Jordan.
- May- 2018: Award for highest citations in SCOPUS database for the academic year 2017-2018
- May-2107: Award for highest publication number in SCOPUS database at the faculty of pharmacy, Applied Science University, Amman, Jordan
- May-2017: Distinguished researcher in the faculty of pharmacy award, Applied Science Private University, Amman, Jordan
- April- 2017: Best supervisor in natural products and medicinal chemistry session. ASU-Pharmacy Third National Conference (Recent Trends in Postgraduate Studies). 15-16 December, 2017, Amman, Jordan.
- June-2015: Best researcher in the faculty of pharmacy award, Applied Science Private University.
- September-2014: Distinguished Iraqi academics award, Iraq embassy, Amman, Jordan

## Taught courses

2020-2021: Research methods (for master students), 2017-2018: Seminar (for master students), 2016- Present: Cancer Biology (for master students), 2014-Present: Immunology, 2010- Present: Anatomy and Histology for pharmacy and nursing students, 2010- 2013: Practical anatomy and Histology, 2010- 2016: Practical Biochemistry, 2011- 2016: Practical Clinical Chemistry, 2012-2013: Practical Physiology, 2012- 2013: Biochemistry II.

## Postgraduate Supervision

- June 2020-present: co-advisor for a PhD in clinical nutrition student (Duaa Jada): thesis title: **A novel nutritional/pharmacological regimen as an adjuvant cancer therapy: breast cancer and doxorubicin as a model**. Jordan University
- Novmber-2021-present: Supervisor for a Master in Pharmaceutical Sciences student (Amer Khatab): Thesis title: **Evaluation of ketogenic diet and thymoquinone combination as a treatment of cisplatin drug resistance in breast cancer: an in vitro and in vivo study**. Applied Science Private University
- November- 2021-presnt: Supervisor for a Master in Pharmaceutical Sciences student (Ayah Kamel): Thesis title: **Evaluation of ketogenic diet and probiotics combination as a treatment of breast cancer implanted in mice**. Applied Science Private University.
- September- 2020-presnt: Supervisor for a Master in Pharmaceutical Sciences student (Hasan Rashid). Thesis title: **Phytochemical screening, anti-cancer, and antioxidant activities of Aloysia citrodora ( Lemon verbena) growing in Jordan**. Applied Science Private University.
- September 2021-present: Supervisor for a Master in Pharmaceutical Sciences student (Shatha Haif). Thesis title: **Combination of thymoquinone and intermittent fasting as a treatment of breast cancer implanted in mice**. Applied Science Private University.
- June 2021-present: Supervisor for a Master in Pharmaceutical Sciences student (Zainab R. Al-Sharea). Thesis title: **Evaluation of thymoquinone and parthenolide as a combination therapy to overcome drug resistance in breast cancer**. Applied Science Private University.
- January 2021-present: Supervisor for a Master in Pharmaceutical Sciences student (Hana Almoghrabi). Thesis title: **Evaluation of Ashwagandha Root Extract and Melatonin as a Combination Therapy for Breast Cancer Implanted in Mice**. Applied Science Private University.
- July 2020- June 2021: Supervisor for a Master in Pharmaceutical Sciences student (Sajidah Jawarneh). Thesis title: **Combination of Fasting and Functional Food to Treat Drug Resistant Breast Cancer Implanted in Mice**. Applied Science Private University.
- October 2020-June 2021: Co-advisor for a Master in Pharmaceutical Sciences student (Aya Alashqar). Thesis title: **Phytochemical evaluation and screening the antiproliferative and antimicrobial activities of the crude extracts of**

**Verbascum transjordanicum**. Applied Science Private University.

10. October 2020-August 2021: Co-advisor for a Master in Pharmaceutical Sciences student (Ali Mehrif). Thesis title: **Chemical compositions, antimicrobial, and antiproliferation activities of flowers of *Leucaena leucocephala***. Applied Science Private University.
11. October 2020-present: Supervisor for a Master in Pharmaceutical Sciences student (Noor Abbas). Thesis title: **Structural and biochemical studies on human salivary carbonic anhydrase VI**. Applied Science Private University.
12. October 2020-present: Supervisor for a Master in Pharmaceutical Sciences student (Meena Safi). Thesis title: **Screening of the antimicrobial, antiproliferative and immunomodulatory effects of different extracts of *Gaz alafi* (*Quercus manna*) and the phytochemical evaluation of the active extract(s): An in vitro study**. Applied Science Private University.
13. April 2020-present: Supervisor for a Master in Pharmaceutical Sciences student (Sara Abuarab). Thesis title: **Immunomodulatory and anticancer activities of Jordanian barley bran**. Applied Science Private University.
14. April 2020-present: Supervisor for a Master in Pharmaceutical Sciences student (Faten Farhan). Thesis title: **Evaluation of probiotics as adjuvant anticancer therapy to overcome drug resistance in breast cancer**. Applied Science Private University.
15. March 2020- present: co-advisor for a Master in Pharmaceutical Sciences student (Hasan ALSalman) Thesis title: **Volatile oil composition, antiproliferative, and antimicrobial effects of the aerial parts of four aromatic herbs (fennel, dill, coriander, celery) growing in Jordan**. Applied Science Private University.
16. October 2019- September 2020: Supervisor for a Master in Pharmaceutical Sciences student (Dina Alshafei). Thesis title: **Tolfenamic acid and beta glucan as an immunomodulatory and anticancer combination**. Applied Science Private University.
17. October 2019-August 2020: Supervisor for a Master in Pharmaceutical Sciences student (Osama Abed Al-Mahmood). Thesis title: **Essential oil determination of the leaves of *Platycladus orientalis* grown in Jordan and evaluation its anti-cancer activity**. Applied Science Private University.
18. October 2019- July 2020: Supervisor for a Master in Pharmaceutical Sciences student (Israa Adnan). Thesis title: **Immunomodulatory and anticancer activities of herbal drink consumed in the Middle East**. Applied Science Private University.
19. October 2019- July 2020: Supervisor for a Master in Pharmaceutical Sciences student (Asma Mahmod). Thesis title: **Evaluation of Immunomodulatory and anticancer activities of Autumn Mandrake (*Mandragorn autumnalis*)**. Applied Science Private University.
20. July 2019- Jan 2020: Supervisor for a Master in Pharmaceutical Sciences student (Naima Belqasim). Thesis title: **Evaluation of Thymoquinone and Metformin as a Combination Therapy for Breast Cancer in Diabetic Mice**. Applied Science Private University.
21. Feb 2019- Jan 2020: Supervisor for a Master in Pharmaceutical Sciences student (Ali Hussain AL-rufayei). Thesis title: **Evaluation of Selected Natural Products to Overcome Cisplatin Resistance in Breast Cancer**. Applied Science Private University.
22. May 2018- present: co-advisor for a Master in Pharmaceutical Sciences student (Abdullah Al-Jabali) Thesis title: **Detection of cytoplasmic proteins translated by mitochondrial ribosomes**. Applied Science Private University.
23. May 2018- Jan 2020: Supervisor for a Master in Pharmaceutical Sciences student (Leen Abushams). Thesis title: **Immunomodulatory and Anti-cancer activities of Barley and Wheat bran consumed in Jordan**. Applied Science Private University.
24. May 2018- June 2019: Supervisor for a Master in Pharmaceutical Sciences student (Sonia al-hadid). Thesis title: **The impact of Curcumin on the treatment of breast cancer in diabetic mice**. Applied Science Private University.
25. Apr. 2018- Aug. 2019: Supervisor for a Master in Pharmaceutical Sciences student (Norhan Tariq). Thesis title: **Breaking Doxorubicin Resistance in Cancer Using Natural Products**. Applied Science Private University. Nov. 2017- Nov. 2018: Supervisor for a Master in Pharmaceutical Sciences student (Yaman Anan). Thesis title: **Evaluation of galloflavin and genistein as a combination therapy to treat breast cancer in mice**. Applied Science Private University.
26. Nov. 2017- May 2018: Supervisor for a Master in Pharmaceutical Sciences student (Omer Altaei). Thesis title: **Evaluation of the anticancer and immunomodulatory activities of *Nerium oleander* flowers**. Applied Science Private University.
27. Dec. 2016- Dec. 2017: Co-advisor for a Master in Pharmaceutical Sciences student (Fadi G. Saqallah). Thesis title: **Phytochemical and Biological Studies on Jordanian Species of Garden Snapdragon (*Antirrhinum majus*)**. Applied Science Private University.
28. Dec. 2016- Dec. 2017: Supervisor for a Master in Pharmaceutical Sciences student (Ahmed Alrawi). Thesis title: **Anticancer and immunomodulatory activities of Jordanian *Citrullus colocynthis***. Applied Science Private University.
29. Dec. 2016- Dec. 2017: Co-advisor for a Master in Pharmaceutical Sciences student (Noor Sabah). Thesis title: **Studying the total phenolics contents, antioxidant and antibacterial effects of Horsetail (*Equisetum Giganteum*) different extracts**. Applied Science Private University.
30. Nov. 2016- May 2018: Supervisor for a Master in Pharmaceutical Sciences student (Maha Farid Al Obaydi). Thesis title: **Evaluation of immunomodulatory and anticancer activities of Desert Truffles (*Terfezia claveryi*): an in vitro study**. Applied Science Private University.
31. Sep. 2016- Jul. 2017: Supervisor for a Master in Pharmaceutical Sciences student (Tasneem Osama Al-zubi). Thesis title:

- Evaluation of camel milk as a functional food to enhance the anticancer activity of selected natural products.** Applied Science Private University.
32. April 2016- May.2017: Supervisor for a Master in Pharmaceutical Sciences student (Manal Alruwad). Thesis title: **Immunomodulatory and anticancer activities of herbal drinks from Jordanian medicinal plants.** Applied Science Private University.
  33. Jan. 2016- Jan 2017: Supervisor for a Master in Pharmaceutical Sciences student (Rana Y. Halees). Thesis title: **Screening antidiabetic plants as a treatment of breast cancer implanted in diabetic mice.** Applied Science Private University.
  34. May. 2015- May 2016: Supervisor for a Master in Pharmaceutical Sciences student (Eilaf Sabbar). Thesis title: **Development of resveratrol loaded poly(lactide – coglycolic acid (PLGA) implants as an anticancer therapy against breast cancer implanted in mice.** Applied Science Private University.
  35. Oct. 2013- March 2016: Supervisor for a Master in Pharmaceutical Sciences student (Rabah Rashad Falah). Thesis title: **Targeting breast cancer in mice using a combination of metformin and curcumin.** Applied Science Private University.
  36. Oct. 2013- Sep. 2015: Supervisor for a Master in Pharmaceutical Sciences student (Omar AL-Obaidy). Thesis title **Antitumor activity of Thymoquinone in Combination with Resveratrol to Treat Breast Cancer in Mice.** Applied Science Private University.
  37. Oct. 2012- Apr. 2015: Supervisor for a Master in Pharmaceutical Sciences student (Lena Odeh). Thesis title: **Thymoquinone and melatonin as a therapeutic combination to treat breast cancer in mice.** Applied Science Private University.

## Conferences, workshops and visits

1. First international conference on nutrition, dietetics, and food science, Sultan Qaboos University, Oman on 13-15 December 2021. Presentation title: Nutrition and Cancer: Potentials for Adjuvant Anti-cancer Therapies.
2. Do herbal drinks augment the cytotoxic effect against different cancer cells? Are they potent stimulators of innate and acquired immunity?. The American Association of Cancer Research Annual Meeting, June 22 - 24, 2020, online session. Abstract published in: Journal of Clinical Oncology (2020) 38, no. 15\_suppl. Israa Adnan and Wamidh Talib.
- 3.
4. 9th annual meeting of the Middle-Eastern Association for Cancer Research (MEACR), December 7 and 8, 2019- Doha/Qatar. Combination of natural products to overcome drug resistance in breast cancer chemotherapy. Wamidh H. Talib.
5. Al-Zaytoonah University of Jordan and the University of Toledo International Pharmaceutical Conference (ZTIPC 2019) "Future of Pharmaceutical Sciences", November 6-7th 2019, Amman, Jordan. Poster Presentation: Immunomodulatory and Anti-cancer activities of Wheat Bran Consumed in Jordan. Leen Abushams and Wamidh Talib
6. Al-Zaytoonah University of Jordan and the University of Toledo International Pharmaceutical Conference (ZTIPC 2019) "Future of Pharmaceutical Sciences", November 6-7th 2019, Amman, Jordan. Poster Presentation: N-Substituted-4-Hydroxy-6-Nitro-2-Quinolone-3-Carboxamides: Design, Synthesis, and Biological Evaluation as PI3K $\alpha$  Inhibitors. Nisreen S. Hamadeh, Dima A. Sabbah, Sanaa Bardaweel, Wamidh Talib, Reema Abu Khalaf, Even Al-Shalabi, Kamal Sweidan, Ghassan Abu Sheikha, Tariq Al-Qirim
7. Al-Zaytoonah University of Jordan and the University of Toledo International Pharmaceutical Conference (ZTIPC 2019) "Future of Pharmaceutical Sciences", November 6-7th 2019, Amman, Jordan. Oral Presentation: Design and Synthesis of Phosphoinositide-3-Kinase (PI3K $\alpha$ ) Inhibitors. Dima A. Sabbah, Sanaa K. Bardaweel, Wamidh H. Talib, Khalid M. Alqaisi, Kamal Sweidan, Murad AlDamen, Even Al-Shalabi, Reema Abu Khalaf, Ghassan Abu Sheikha, Tariq Al-Qirim, Haizhen A. Zhong
8. July-2019. Visiting professor to the Faculty of Pharmacy- University of Babylon, Babylon-Iraq.
9. 8th annual meeting of the Middle-Eastern Association for Cancer Research (MEACR), December 8 and 9, 2018- Muscat/Oman. Targeting drug resistance in breast cancer using a combination of ketogenic diet and melatonin. Wamidh H. Talib
10. 5th Middle East Molecular Biology Congress and Exhibition. 3 - 6 October 2018 - Dead Sea, Jordan. Invited Speaker: Combination of Ketogenic Diet and Melatonin to Overcome Drug Resistance in Cancer Chemotherapy. Wamidh H. Talib
11. Al-Zaytoonah University of Jordan and the University of Toledo International Pharmaceutical Conference (ZTIPC 2017) "New Horizons in Pharmaceutical Research", November 29-30th 2017, Amman, Jordan. Poster Presentation: Ligand-Based Design: Synthesis and Optimization of Benzoin Scaffold as Phosphoinositide-3-Kinase (PI3K $\alpha$ ) Inhibitors. Ameerah (Hasan Ibrahim), Dima A. Sabbah, Wamidh Talib, Kamal Sweidan, Sanaa Bardaweel, Ghassan Abu Sheikha.
12. Al-Zaytoonah University of Jordan and the University of Toledo International Pharmaceutical Conference (ZTIPC 2017) "New Horizons in Pharmaceutical Research", November 29-30th 2017, Amman, Jordan. Poster Presentation: Structure-Based Design, Synthesis, and Biological Evaluation of Benzoin Schiff Bases as Potential Antitumor Agents. Fatima Al-Tarawneh, Dima A. Sabbah, Wamidh Talib, Kamal Sweidan, Sanaa Bardaweel, Even Al-Shalabi, Haizhen A. Zhong, Ghassan Abu Sheikha, Reema Abu Khalaf, Mohammad S. Mubarak. ASU-Pharmacy Fourth International Conference (Recent Trends in Postgraduate Studies). Head of the organization committee. 5-6 January, 2019, Applied Science University, Amman, Jordan.
13. ASU-Pharmacy Third International Conference (Recent Trends in Postgraduate Studies). Head of the organization committee. 15-16 April, 2017, Applied Science University, Amman, Jordan.
14. ASU-Pharmacy Second International Conference (Recent Trends in Postgraduate Studies). Head of the scientific committee. 5-6 December, 2015, Applied Science University, Amman, Jordan.

15. The Asian American Academic Conference. Combination Of Piperine And Thymoquinone Inhibits Breast Cancer In Mice By Inducing Apoptosis; Reducing VEGF Expression, And Enhancing Immune Response. Wamidh H. Talib, Elaf S. Alsultan. 12 to 15 January 2016. Nanyang Technological University, Singapore.
16. The 15th International Congress of the International Society for Ethnopharmacology. Phytochemical investigation and antimicrobial activities of Jordanian premature Psidium guajava fruits peel extracts using soxhlet and microwave extraction methods. Reem Issa, Wamidh H. Talib, Sajdah A. Salah. 5-8 May, 2015. Petra, Jordan
17. The international conference for academic disciplines. Posted presentation: Melatonin augments antitumor, anti- angiogenesis and immunomodulatory effects of Propionibacterium acnes on breast cancer implanted in mice. Wamidh H. Talib and Suhair Saleh. 28-31 October, 2014. Roma, Italy
18. The Halifax Project workshop, Getting to Know Cancer, Member in the Immune Evasion Group. 12-13 August 2013. Nova Scotia, Canada
19. First ACCR Dead Sea International Conferences on Advances in Cancer Research: From the Laboratory to the Clinic. American Association for Cancer Research (AACR). Posted presentation: Investing the genetic similarity between mice and human to generate novel monoclonal antibodies against human cancers. Mona R. Hassuneh, Sundos H. Mashallah, Wamidh H. Talib. 16-19 March, 2008. DeadSea-Jordan.

## Editorial Experiences

1. Guest editor, Frontiers in Nutrition. Topic title: Mediterranean Diet and Cancer: Experimental and Epidemiological Perspectives
2. Guest Associate Editor. Frontiers in Nutrition, section Clinical Nutrition, Antioxidants, Medicinal Plants, Phytonutrients, and Cancer Risk ,2019.
3. Editorial Board Member, EC Pharmacology and Toxicology, ECRONICON LIMITED, UK.
4. Reviewer: many international journal. review summary at: <https://publons.com/researcher/1516695/wamidh-h-talib/>
5. Editorial Board member, Current Signal Transduction Therapy, Bentham Science, UAE
6. Review Editor on the Editorial Board of Cancer Immunity and Immunotherapy (specialty section of Frontiers in Immunology and Frontiers in Oncology). IMPACT FACTOR 5.085

## Funded Projects

1. Production and testing of anticancer supplements using natural products and plant extracts. Funded by Applied Science Private University, Amman- Jordan (2021).
2. Synthesis, Characterization and Biological Evaluation of Platinum-based Complexes Derived from Dithiocarbamates, Trithiocarbonates and Xanthates as Potential Anticancer Agents. Funded by Yarmouk University, Irbid, Jordan (2020).
3. Anticancer activity of herbal extracts used to treat cancer in UAE traditional medicine. Funded by Zayed University, Abu Dhabi, UAE (2018).
4. Development of anticancer food using extracts from Jordanian plants. Funded by the University of Applied Science, Amman – Jordan (2015).
5. Combination of immunotherapy and bacteriotherapy to treat solidtumors in mice. Funded by the University of Applied Science, Amman – Jordan (2013).
6. Jordanian plants as a source of anticancer nutrition: an in vitro study. Funded by the University of Applied Science, Amman – Jordan (2014).
7. Studying the efficiency of folic acid-cyclodextrin functionalized silica nanoparticles as an intracellular drug delivery system of anticancer agents. Funded by the University of Applied Science, Amman – Jordan. (Co-investigator) (2016).

## Research Interests

Combination anti-cancer therapies, monoclonal antibodies, biological activities of natural products, immune-modulation by bacteria and natural products, and development of new antimicrobial agents.