

Curriculum Vitae

Ahmed Majeed Hamzah Al-Shammari

*Experimental Therapy Department – Iraqi Center for Cancer and Medical Genetic Research - Mustansiriya
University*

Mobile: +9647809143825

Email: alshammari.am@uomustansiriyah.edu.iq , ahmed.alshammari@iccmgr.org

Google scholar h- index 24, Scopus h-index 19, Web of Science h-index 15

PERSONAL SUMMARY:

- Only a life lived for others is worth living, this saying is my wisdom in life. I am a scientist in cancer research and stem cell research. Additionally, I am a Professor of Pathology at the Experimental Therapy Department at the Iraqi Center for Cancer and Medical Genetic Research working to develop smart tumor therapies.

EDUCATION:

- 1- Degree in Global Health, One health Program, Duke Global Health Institute, Duke University, Durham, North Carolina, USA
- 2- PhD Pathology /College of veterinary medicine / Baghdad University, 2004- 2009.
- 3- M.Sc. in Pathology from College of veterinary medicine / Baghdad University 2000- 2003.
- 4- B.V.M.S degree in veterinary medicine and surgery from College of veterinary medicine / Al Qadisiyah University (1995-2000).

ACADEMIC HONORS AND AWARDS:

- 2022 - 2022 Springer Nature-IVS Best Paper Award 2021 (Veterinary Virology), Indian Virological Society (IVS)
- 2019 - 2020 NISA Award for Outstanding Iraqi Research - Best Paper in Medical and Biomedical Science, Network of Iraqi Scientists Abroad (NISA)
- 2019 The Mustansiriya University Award for Science and Literature / Third, Mustansiriya University, Baghdad, Iraq
- 2018 The Mustansiriya University Award for Science and Literature / Third, Mustansiriya University, Baghdad, Iraq
- 2012 Innovation and Scientific Excellence, Iraqi Ministry of Higher Education and Scientific Research
- 2011 Innovation and Scientific Excellence, Iraqi Ministry of Higher Education and Scientific Research
- 2010 Innovation and Scientific Excellence, Iraqi Ministry of Higher Education and Scientific Research

ACADEMIC /TEACHING EXPERIENCE:

1. Transmission Electron microscope training course (certificate) at Al-Nahrain University/ medical school in 2001.
2. Scanning Electron microscope training course (certificate) at Al-Nahrain University/ medical school in 2001.
3. Training course about (Bioanalyzer Support Basics and Startup Services and 2100 Bioanalyzer Applications/Support Master) at Agilent technologies, Waldbronn ,Germany. Oct 08 – 18, 2012.
4. Advanced real-time PCR training, Biotecon Diagnostics GmbH, 27th Nov.2013
5. Transmission Electron microscope training course (2 weeks) at FEI Academy / Eindhoven, Netherlands. 2016.

COURSES TAUGHT:

Undergraduate
Pathology, Stem Cells, Tissue Culture

PROFESSIONAL AFFILIATIONS:

2020 - Professor of Pathology, Mustansiriyah University, Baghdad
2013 - 2020 Assistant Professor of Pathology, Mustansiriyah University, Baghdad
2013 - 2013 Visiting Scientist in Molecular Medicine, Department of Molecular Medicine, Mayo school of medicine, Mayo clinic, Rochester, MN
2011 - 2011 Visiting Scientist in Molecular Medicine, Department of Molecular Medicine, Mayo school of medicine, Mayo clinic, Rochester, MN
2011 - 2011 Visiting Scientist in Molecular Virology, Vaccine and Genetherapy Institute/ Oregon health and science university, Beaverton, OR
2009 - 2018 Head of Department, Department of experimental therapy, Mustansiriyah University, Iraqi Center for Cancer & Medical Genetic Research, Baghdad
2009 - 2013 Research Scientist, Teacher of Pathology, Mustansiriyah University, Iraqi Center for Cancer and medical Genetic Research, Experimental Therapy Department, Baghdad
2004 - 2009 Researcher, Assistant Teacher of pathology, Mustansiriyah University, Iraqi Center for Cancer and medical Genetic Research, Experimental Therapy Department, Baghdad
2004 - 2005 Head of Department, Experimental Therapy, Mustansiriyah University, Iraqi Center for Cancer & Medical Genetic Research, Baghdad
2004 - 2004 Rapporteur of Cancer research Department, Mustansiriyah University, Iraqi Center for Cancer and Medical Genetic Research, Baghdad
2002 - 2003 Assistant Researcher, Iraqi Center for cancer and Medical Genetic Research, Mustansiriyah University , Baghdad

Contribution to Science:

- Creating an oncolytic virotherapy program.** For a period of 18 years, I led the preclinical and basic researches related to Oncolytic Virotherapy at Iraqi Center for Cancer and Medical Genetic Research, Mustansiriyah University. In 2012, we granted patents Ref. No: 3700 for Iraqi Newcastle Disease virus strain as cancer therapy. The viro-genetherapy program has been developed using Newcastle Disease virus, measles virus and good in vitro and in vivo results has been obtained that is encouraging for clinical application.
 - Al-Ziaydi AG, Al-Shammari AM, Hamzah MI, Kadhim HS, Jabir MS. Hexokinase inhibition using D-Mannoheptulose enhances oncolytic Newcastle disease virus-mediated killing of breast cancer cells. Cancer Cell Int. 2020;20:420. PubMed Central PMCID: PMC7456035.
 - Al-Shammari AM, Abdullah AH, Allami ZM, Yaseen NY. 2-Deoxyglucose and Newcastle Disease Virus Synergize to Kill Breast Cancer Cells by Inhibition of Glycolysis Pathway Through Glyceraldehyde3-Phosphate Downregulation. Front Mol Biosci. 2019;6:90. PubMed Central PMCID: PMC6777003.
 - Al-Shammari AM, Rameez H, Al-Tae MF. Newcastle disease virus, rituximab, and doxorubicin combination as anti-hematological malignancy therapy. Oncolytic Virother. 2016;5:27-34. PubMed Central PMCID: PMC4996254.
 - Al-Shammari AM. Newcastle disease virus Iraqi local isolate as a therapy for murine mammary adenocarcinoma: In vitro and in vivo study. European Journal of Cancer Supplements. 2010 November; 8(7):171. DOI: 10.1016/S1359-6349(10)72243-6
- Developing cancer Immuno-virotherapies, TNF- α , IFN γ and IL-18 genes cloning and inserting in recombinant oncolytic Measles virus in collaboration with Dr. Stephen J Russel Lab at mayo clinic and rescuing several new viruses for cancer treatment and the work progressing.** Creating - Photosensitizing oncolytic measles

virus for photodynamic therapy. The project is to generate a recombinant measles virus for photodynamic therapy where the virus will express ALA synthase for cancer treatment.

- a. Al-Shammari A, Lech P, Russell S. 416. Enhanced Oncolytic Effect of Tumor Necrosis Factor Alpha Armed Engineered Oncolytic Measles Virus Therapy for Ovarian Carcinoma Cell Line. *Molecular Therapy*. 2016 May; 24:S165-. Available from: <https://linkinghub.elsevier.com/retrieve/pii/S1525001616332257> DOI: 10.1016/S1525-0016(16)33225-7
- b. Al-Shammari AM, Lech PJ, Russell SJ. 171. Photosensitizing Oncolytic Measles Virus for Cancer Viro-Photodynamic Therapy. *Molecular Therapy*. 2014 May 01; 22:S65. Available from: <http://www.sciencedirect.com/science/article/pii/S152500161635184X>

3. Special interest in establishing new tumor models from Iraqi patients, and new tumor animal models, in 2003 Established transplantable tumor cell line in immunocompetence mice / which is in use for research in Iraq, more than 70 PhD students, MSc student and researchers used this line in their research. In 2003 Establishing a new tumor cell line (Mouse mammary adenocarcinoma) which named AMN3 (Ahmed Mohammed Nahi). In 2006 establishing first Iraqi human tumor cell line (Glioblastoma cell line), which now in use for cancer research in ICCMGR and many researchers 50+ used this cell line as a human cancer cell model. Also, in 2006 embryonated cell line from rats, which used extensively at ICCMGR for toxicity studies by hundreds of research. In 2013 establishing first breast cancer cell line from Iraqi patients and the cell line AMJ13 published. In 2002 – present the supervisor of cell bank at Iraqi Center for Cancer and Medical Genetic Research, Mustansiriyah University which include many cell lines and provide services to researchers for cancer research.

- a. Al-Shammari AM, Alshami MA, Umran MA, Almukhtar AA, Yaseen NY, Raad K, Hussien AA. Establishment and characterization of a receptor-negative, hormone-nonresponsive breast cancer cell line from an Iraqi patient. *Breast Cancer (Dove Med Press)*. 2015; 7:223-30. PubMed Central PMCID: PMC4536763.
- b. Al-Shammari A, Al-Juboory A, Al-Mukhtar A, Ali A, Al-Hili Z, Yaseen N. Abstract 1221: Establishment and characterization of a chemoresistant glioblastoma cell line from an Iraqi patient. *Tumor Biology. Proceedings: AACR Annual Meeting 2014; April 5-9, 2014; San Diego, CA; 2014; , USA. American Association for Cancer Research; c2014*. Available from: <http://cancerres.aacrjournals.org/lookup/doi/10.1158/1538-7445.AM2014-1221> DOI: 10.1158/1538-7445.AM2014-1221
- c. Al-Shamery AM., Yaseen NY., Hassan AA., Murad S, Ahmed AA.. Induction of plasmacytoma in mice and establishment of continuous cell line that lack Retinoblastoma gene expression. *Iraqi Journal of Cancer and Medical Genetics*. 2011 January; 4(2):62-65. Available from: <http://www.iasj.net/iasj?func=fulltext&aId=56182>
- d. Al-Shamery AM, Yaseen NY, Alwan MJ. Establishment and characterization of AN3 first murine mammary adenocarcinoma transplantable tumor line in Iraq. *Iraqi Journal of Cancer*. 2008 June 01; 1(2):1 - 10. Available from: https://www.researchgate.net/profile/Nahi_Yaseen/publication/259399323_Establishment_and_characterization_of_AN3_first_murine_mammary_adenocarcinoma_transplantable_tumor_line_in_Iraq/links/5606da4108ae5e8e3f389fc3.pdf

4. Since 2009 leading the Stem Cell therapy program at Iraqi Center for Cancer and medical Genetic Research, Mustansiriyah University. There was several topics covered such as for neuropathies with collaboration with neuroscience hospital, Iraqi Ministry of health, Baghdad, Iraq.

- a. Salman IS, Al-Shammari AM, Haba MK. Direct Reprogramming of Mice Skin Fibroblasts into Insulin-Producing Cells In Vitro. *Cell Reprogram*. 2021 Oct 8; PubMed PMID: 34637623.
- b. Jabur A, Al-Hassani E, Al-Shammari A, Najim M, Hassan A, Ahmed A. Evaluation of Stem Cells' Growth on Electrospun Polycaprolactone (PCL) Scaffolds Used for Soft Tissue Applications. *Energy Procedia*. 2017 July; 119:61-71. Available from: <https://linkinghub.elsevier.com/retrieve/pii/S1876610217325900> DOI: 10.1016/j.egypro.2017.07.048
- c. Abdullah RH, Yaseen NY, Salih SM, Al-Juboory AA, Hassan A, Al-Shammari AM. Induction of mice adult bone marrow mesenchymal stem cells into functional motor neuron-like cells. *J Chem Neuroanat*. 2016 Nov;77:129-142. PubMed PMID: 27417692.
- d. Mohammad MH, Al-Shammari AM, Al-Juboory AA, Yaseen NY. Characterization of neural stemness status through the neurogenesis process for bone marrow mesenchymal stem cells. *Stem Cells Cloning*. 2016;9:1-15. PubMed Central PMCID: PMC4846075.

5. Developing anti-viral treatments, especially for emerging viruses by joining Dr.Victor R. DeFilippis lab at Vaccine and Gene Therapy Institute, Oregon Health and Science University, Portland, Oregon, United States of America in 2011. Also developing phytotherapies against emerging viruses in Iraq such as Newcastle disease virus which is one of the major threat to poultry industry in Iraq and world wide.

- a. Jasim AN, Al-Shammari AM, Hamoody A. Antiviral activity of arctigenin against Newcastle disease virus in vitro. *Research Journal of Chemistry and Environment*. 2019 May; 23(Special Issue I):68-76. Available from: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071067551&partnerID=40&md5=6124afa0b74a351d39a8a79f9f586420>
- b. Ali JA, Al-Shammari AM., Hamoody A. Antiviral activity of limonin against newcastle disease virus in vitro. *Research Journal of Biotechnology*. 2019 March; 14(Special Issue I):320-328. Available from:

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071065327&partnerID=40&md5=7fe7cc763e44a553a197e8bff56936dd)

[85071065327&partnerID=40&md5=7fe7cc763e44a553a197e8bff56936dd](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071065327&partnerID=40&md5=7fe7cc763e44a553a197e8bff56936dd)

c. Salih R, Odisho S, Al-Shammari A, Ibrahim O. Antiviral Effects of *Olea europaea* Leaves Extract and Interferon-beta on Gene Expression of Newcastle Disease Virus. *Advances in Animal and Veterinary Sciences*. 2017 October; 5(11):- Available from: http://nexusacademicpublishers.com/table_contents_detail/4/883/html DOI: 10.17582/journal.aavs/2017/5.11.436.445

d. Sali TM, Pryke KM, Abraham J, Liu A, Archer I, Broeckel R, Staverosky JA, Smith JL, Al-Shammari A, Amsler L, Sheridan K, Nilsen A, Streblow DN, DeFilippis VR. Characterization of a Novel Human-Specific STING Agonist that Elicits Antiviral Activity Against Emerging Alphaviruses. *PLoS Pathog*. 2015 Dec;11(12):e1005324. PubMed Central PMCID: PMC4672893.

PUBLICATIONS:

1. Jabir MS, **Al-Shammari AM**, Ali ZO, Albukhaty S, Sulaiman GM, Jawad SF, Hamzah SS, Syed A, Elgorban AM, Eswaramoorthy R, Zaghloul NSS, Al-Dulimi AG, Najm MAA. Combined oncolytic virotherapy gold nanoparticles as synergistic immunotherapy agent in breast cancer control. *Sci Rep*. 2023 Oct 6;13(1):16843. doi: 10.1038/s41598-023-42299-4. PubMed PMID: 37803068; PubMed Central PMCID: PMC10558528.
2. Abdullah SA, Hassan SA, **Al-Shammari AM**. Anticancer activity of retinoic acid against breast cancer cells derived from an Iraqi patient. *J Taibah Univ Med Sci*. 2023 Jun;18(3):579-586. doi: 10.1016/j.jtumed.2022.12.002. eCollection 2023 Jun. PubMed PMID: 36818177; PubMed Central PMCID: PMC9906016.
3. Salman IS, **Al-Shammari AM**, Haba MK. Direct Reprogramming of Mice Skin Fibroblasts into Insulin-Producing Cells In Vitro. *Cell Reprogram*. 2022 Oct;24(5):271-282. doi: 10.1089/cell.2021.0047. Epub 2021 Oct 8. PubMed PMID: 34637623.
4. Salman MI, **Al-Shammari AM**, Emran MA. 3-Dimensional coculture of breast cancer cell lines with adipose tissue-Derived stem cells reveals the efficiency of oncolytic Newcastle disease virus infection via labeling technology. *Front Mol Biosci*. 2022;9:754100. doi: 10.3389/fmolb.2022.754100. eCollection 2022. PubMed PMID: 36172043; PubMed Central PMCID: PMC9511405.
5. Kadhim ZA, Sulaiman GM, **Al-Shammari AM**, Khan RA, Al Rugaie O, Mohammed HA. Oncolytic Newcastle Disease Virus Co-Delivered with Modified PLGA Nanoparticles Encapsulating Temozolomide against Glioblastoma Cells: Developing an Effective Treatment Strategy. *Molecules*. 2022 Sep 6;27(18). doi: 10.3390/molecules27185757. PubMed PMID: 36144488; PubMed Central PMCID: PMC9506095.
6. Obaid QA, Al-Shammari AM, Khudair KK. Glucose Deprivation Induced by Acarbose and Oncolytic Newcastle Disease Virus Promote Metabolic Oxidative Stress and Cell Death in a Breast Cancer Model. *Front Mol Biosci*. 2022; 9:816510. doi: 10.3389/fmolb.2022.816510. eCollection 2022. PubMed PMID: 35936786; PubMed Central PMCID: PMC9354800.
7. Sahib HB, Kathum OA, Alanee RS, Jawad RAM, Al-Shammari AM. The Anti-Cytokine Storm Activity of Quercetin Zinc and Vitamin C Complex. *Adv Virol*. 2022;2022:1575605. doi: 10.1155/2022/1575605. eCollection 2022. PubMed PMID: 35721668; PubMed Central PMCID: PMC9200564
8. Safi IN, Hussein BMA, Al-Shammari AM. Bio-hybrid dental implants prepared using stem cells with β -TCP-coated titanium and zirconia. *J Periodontal Implant Sci*. 2022 Jun;52(3):242-257. doi: 10.5051/jpis.2006080304. PubMed PMID: 35775699; PubMed Central PMCID: PMC9253282.
9. Obaid QA, Khudair KK, Al-Shammari AM. Glucose deprivation using 2-deoxyglucose and acarbose induce metabolic oxidative stress and apoptosis in female mice bearing breast cancer. *Biochimie*. 2022 Apr;195:59-66. doi: 10.1016/j.biochi.2022.01.007. Epub 2022 Jan 20. PubMed PMID: 35066100.

10. Jabir, Majid S., Uday M. Nayef, Waleed K. Abdulkadhim, Zainab J. Taqi, Ghassan M. Sulaiman, Usama I. Sahib, **Ahmed M. Al-Shammari**, Yu-Jen Wu, Mohamed El-Shazly, and Ching-Chyuan Su. "Fe 3O4 Nanoparticles Capped with PEG Induce Apoptosis in Breast Cancer AMJ13 Cells Via Mitochondrial Damage and Reduction of NF- κ B Translocation." *Journal of Inorganic and Organometallic Polymers and Materials* (2020): 1-19.
11. Alsaraf, Khulood M., Maeda H. Mohamed, **Ahmed Majeed Al-Shammari**, and Ibrahim S. Abbas. Investigating the anti-proliferation activity of *Conocarpus erectus* Against breast tumor cells in vitro. *Systematic Reviews in Pharmacy*, 2020, 11(12):1901-1908.
12. Al-Ziaydi, Ahmed Ghdhban, **Ahmed Majeed Al-Shammari**, and Mohammed I. Hamzah. "Propagation of oncolytic Newcastle Disease Virus in Embryonated Chicken Eggs and its Research Applications in Cell lines." In *Journal of Physics: Conference Series*, vol. 1664, no. 1, p. 012129. IOP Publishing, 2020.
13. Jabir, Majid, Usama I. Sahib, Zainab Taqi, Ali Taha, Ghassan Sulaiman, Salim Albukhaty, **Ahmed Al-Shammari** et al. "Linalool-Loaded Glutathione-Modified Gold Nanoparticles Conjugated with CALNN Peptide as Apoptosis Inducer and NF- κ B Translocation Inhibitor in SKOV-3 Cell Line." *International Journal of Nanomedicine* 15 (2020): 9025-9047.
14. Sarah Abdul-Hussein Hassan, **Ahmed Majeed Al-Shammari**, Aida. Oncolytic effect of non-virulent Newcastle disease virus lasota strain in human breast cancer cell lines in vitro. (2020) *Biochemical and Cellular Archives*. 20(1):1013-1022. DOI: 10.35124/bca.2020.20.1.1013
15. Mezaal, Doaa Khalid, Essam Fadel Al-Jumaili, and **Ahmed Majeed Al-Shammari**. "Production and Purification of Laccase Enzyme by *Klebsiella pneumoniae* K7." (2020).
16. Mohammed, Mohammed S., Maha F. Al-Tae, and **Ahmed Majeed Al-Shammari**. "Caspase Dependent and Independent Anti-hematological Malignancy Activity of AMHA1 Attenuated Newcastle Disease Virus." *International Journal of Molecular and Cellular Medicine* 8, no. 3 (2019): 211.
17. Al-Ziaydi, Ahmed Ghdhban, **Ahmed Majeed Al-Shammari**, Mohammed I. Hamzah, and Majid Sakhi Jabir. "Hexokinase inhibition using D-Mannoheptulose enhances oncolytic newcastle disease virus-mediated killing of breast cancer cells." *Cancer Cell International* 20, no. 1 (2020): 1-10.
18. Alsaraf, Khulood M., Maeda H. Mohamed, **Ahmed Majeed Al-Shammari**, and Ibrahim S. Abbas. "Broad-Spectrum Cytotoxic Effect of *Calendula officinalis* L Against Breast Cancer Cells." *Indian Journal of Forensic Medicine & Toxicology* 14, no. 1 (2020): 803-809.
19. Israa Salman, Mukhtar Khamis, **Ahmed Majeed Al-Shammari**. Isolation and Characterization Skin Fibroblast of Newborn Mice Using Easy and Simple Protocol. (2020). *Journal of Research on the Lepidoptera*, 51(2).
20. Safi, Ihab Nabeel, **Ahmed Majeed Al-Shammari**, Manar Abdo Ul-Jabbar, and Basima Mohammed Ali Hussein. "Preparing polycaprolactone scaffolds using electrospinning technique for construction of artificial periodontal ligament tissue." *Journal of Taibah University Medical Sciences* (2020).
21. Al-Ziaydi, Ahmed Ghdhban, **Ahmed Majeed Al-Shammari**, Mohammed I. Hamzah, Haider Sabah Kadhim, and Majid Sakhi Jabir. "Newcastle disease virus suppress glycolysis pathway and induce breast cancer cells death." *VirusDisease* (2020): 1-8.
22. Adil, Ban H., **Ahmed Majeed Al-Shammari**, and Hamid H. Murbit. "Breast Cancer Treatment Using Cold Atmospheric Plasma Generated by the FE-DBD Scheme." *Clinical Plasma Medicine* (2020): 100103.
23. Al-Musawi, H. M., **A. M. Al-Shammari**, and S. J. Al-Bazii. "Biological and Physiological Characterization of HCAM Hepatocellular Carcinoma Cell Line." *Prensa Med Argent* (2020): S1-009.
24. **AM AL-Shammari**, MA AL-Mudhafr, EDC AL-Grawi. Newcastle disease virus suppresses angiogenesis in mammary adenocarcinoma models. *Bulgarian Journal of Veterinary Medicine*. 2020.
25. Habeeb, Aymen Radhi, **Ahmed Majeed Al-Shammari**, and Baydaa Hussein Mutlak. "Cytological and Cytogenetic Characterization of the Mouse Hepatocellular Carcinoma (HCAM) Cell Line." *Indian Journal of Public Health Research & Development* 11, no. 4 (2020): 1946-1951.

26. **Ahmed Majeed Al-Shammari**, Raghad DH Abdul jalill, Mustafa A. Kalel. Novel Anti-Tumor Combination of Virotherapy & Phytotherapy Against Cancer Cells that Enhance P53 Expression. April 2020, Molecular Therapy 28(4S1):161 - 162
27. **Al-Shammari, AM**, Hamad, MA, AL-Mudhafar, MA, Raad, K, Ahmed, A. Clinical, molecular and cytopathological characterization of a Newcastle disease virus from an outbreak in Baghdad, Iraq. Vet Med Sci. 2020; 00: 1– 8. <https://doi.org/10.1002/vms3.262>
28. Hassan, Sarah AH, Aida B. Allawe, and **Ahmed Majeed Al-Shammari**. "In Vitro Oncolytic activity of non-virulent Newcastle Disease Virus LaSota Strain against Mouse mammary adenocarcinoma." Iraqi Journal of Science (2020): 285-294.
29. **Al-Shammari, A.M.**, et al., Galangin enhances gold nanoparticles as anti-tumor agents against ovarian cancer cells. AIP Conference Proceedings, 2020. 2213(1): p. 020206.
30. **Al-Shammari, Ahmed Majeed**, et al. "Differentiation of Adipose-Derived Mesenchymal Stem Cells into Neuron-Like Cells induced by using β -mercaptoethanol." Baghdad Science Journal 17.1 (Suppl.) (2020): 0235-0235.
31. **Al-Shammari, Ahmed Majeed**, Raghad Dhyea Abdul Jalill, and Mohammed F. Hussein. "Combined therapy of oncolytic Newcastle disease virus and rhizomes extract of Rheum ribes enhances cancer virotherapy in vitro and in vivo." Molecular Biology Reports 47.3 (2020): 1691-1702.
32. Alsaraf, Khulood M., et al. "Selective cytotoxic effect of Plantago lanceolata L. against breast cancer cells." Journal of the Egyptian National Cancer Institute 31.1 (2019): 1-7.
33. Abdullah, Sulaiman A., **Ahmed Majeed Al-Shammari**, and Safaa A. Lateef. "Attenuated measles vaccine strain have potent oncolytic activity against Iraqi patient derived breast cancer cell line." Saudi Journal of Biological Sciences 27.3 (2020): 865-872.
34. Alsabah, Atheer S., Abdulkareem H. Abd, and **Ahmed M. Al-Shammari**. "3. ACUTE AND SUBACUTE TOXICITY OF CHLOROFORM EXTRACT OF XANTHIUM STRUMARIUM LEAVES." Iraqi Journal of Medical Sciences 17.2 (2019): 108-113.
35. **Ahmed M. Al-Shammari**, Amer H. Abdullah, Zainab M. Salim and Nahi Y. Yaseen. 2-Deoxyglucose and Newcastle Disease Virus synergize to Kill Breast Cancer Cells by Inhibition of Glycolysis Pathway through Glyceraldehyde3-Phosphate Downregulation. Front. Mol. Biosci. | doi: 10.3389/fmolb.2019.00090. (2019). Under publication.
36. Kadhum, Hussam H., Abdulkareem H. Abd, and Ahmed Majeed Al-Shammari. "HPLC analysis and chemical composition identification of isolated flavonoid fraction of Althaea officinalis from Iraq." AIP Conference Proceedings. Vol. 2123. No. 1. AIP Publishing, 2019.
37. Alawsi, Doha F., Ahmed Majeed Alshammari, and Maha F. Majeed^o. "The Significance of p53, Bcl-2, and HER-2/neu Protein Expression in Iraqi Females Breast Cancer Cell Line (AMJ13)." Indian Journal of Public Health 10.6 (2019): 181.
38. Safi, Ihab Nabeel, Basima Mohammed Ali Hussein, and **Ahmed Majeed Al-Shammari**. "In vitro periodontal ligament cell expansion by co-culture method and formation of multi-layered periodontal ligament-derived cell sheets." Regenerative Therapy 11 (2019): 225-239.
39. Jassim Ahmed Nazhan, **Al-Shammari Ahmed Majeed**, Al-Hameed Hamoody: Antiviral activity of Arctigenin against Newcastle Disease virus in vitro. RESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT 05/2019; 23(1):68 - 76.
40. Ribat ZW, Sahib HB, **Al-Shammari AM**. Effect of vitex agnus castus fruits methanol extract against murine mammary adenocarcinoma cell line (amn3) and rat embryonic fibroblast normal cell line (ref). International Journal of Research in Pharmaceutical Sciences. 2019;10(3):1910-3.

41. **Ahmed Majeed Al-Shammari**, Wafeeq Naser Al-Esmaeel, Ali Abd Allateef Al Ali, Ayman Ali Hassan, Aysar A. Ahmed: Enhancement of Oncolytic Activity of Newcastle Disease virus Through Combination with Retinoic Acid Against Digestive System Malignancies. *Molecular Therapy* 04/2019; 27(4S1):126-127.
42. Zainab Ali, Majid Jabir, **Ahmed Al-Shammari**: Gold Nanoparticles Inhibiting Proliferation of Human Breast Cancer Cell line. *Research journal of biotechnology* 03/2019; 14(S1):79-82.
43. Hamad Mohammed, Mustafa A Sood, Hussein Najeeb Mohammed, **Al-Shammari Ahmed Majeed**, Mohammad Maeda: Detection of Infectious Laryngotracheitis by real-time PCR in Baghdad. *Research journal of biotechnology* 03/2019; 14(S1):14-18.
44. Ali Jasim Abd, **Al-Shammari Ahmed**, Al-Hameed Hamoody: Antiviral activity of limonin against Newcastle Disease virus in vitro. *Research journal of biotechnology* 03/2019; 14(S1):320-328.
45. Mohammad Maeda, **Al-Shammari Ahmed**, Almzaen Aous, Mohammed A Hamad, Hassan Ayman, Yaseen Nahi: Induction of Mesenchymal stem cells into Neuronal Cells via two formulas. *Research journal of biotechnology* 03/2019; 14(S1):266-282.
46. Ban H. Adil, **Ahmed Majeed Al-Shammari**, Hamid H. Murbat: Cold Atmospheric Plasma generated by FE-DBD Scheme cytotoxicity against Breast Cancer cells. *Research journal of biotechnology* 03/2019; 14(S1):192-195.
47. Hasanain Sahib, **Ahmed Majeed Al-Shammari**, Bahaa Abdullahtaah Al_Rubaii: *Intratumoral Co-Administration of Oncolytic Newcastle Disease Virus and Bacterial Hyaluronidase Enhances Virus Potency in Tumor Models*. *Journal of Global Pharma Technology* 02/2019; 10(10):303_310.
48. Wjeeh Kachi, **Ahmed Majeed Al-Shammari**, Israa G. Zainal: *Cobalt Ferrite Nanoparticles: Preparation, characterization and salinized with 3-aminopropyl triethoxysilane*. *Energy Procedia* 01/2019; 157:1353-1365., DOI:10.1016/j.egypro.2018.11.300
49. **Ahmed Majeed Al-Shammari**, Yahya Syhood, Ahmed S. Al-Khafaji: *Use of low-power He-Ne laser therapy to accelerate regeneration processes of injured sciatic nerve in rabbit*. *Egyptian Journal of Neurology, Psychiatry and Neurosurgery* 01/2019; 55(1)., DOI:10.1186/s41983-018-0047-6
50. Russell A. Abo-Altemen, **Ahmed Majeed Al-Shammari**, Muayed S. Shawkat: *GC-MS Analysis and Chemical Composition identification of Cyperus rotundus L. from Iraq*. *Energy Procedia* 01/2019; 157:1462-1474., DOI:10.1016/j.egypro.2018.11.311
51. Ihab Nabeel Safi, Basima MA Hussein, **Ahmed Majeed Al Shammari**, Thaier Abid Tawfiq: *Implementation and characterization of coating pure titanium dental implant with sintered β -TCP by using Nd:YAG laser*. *Saudi Dental Journal* 01/2019;, DOI:10.1016/j.sdentj.2018.12.004
52. Majid Jabir, Ali A Taha, Usama I. Sahib, Zainab J. Taqi, **Ahmed Majeed Al-Shammari**, Alya S. Salman: *Novel of nano delivery system for Linalool loaded on gold nanoparticles conjugated with CALNN peptide for application in drug uptake and induction of cell death on breast cancer cell line*. *Materials Science and Engineering C* 01/2019; 94(2019):949–964., DOI:10.1016/j.msec.2018.10.014
53. Abdullah Rafal H, Nahi Yaseen, Saleh Shahlla M, Maeda Mohammad, **Ahmed Majeed Al-Shammari**: *Direct and Simple Method for Mesenchymal Stem Cells Isolation, Culturing and Detection*. *Stem Cell Research & Therapy* 12/2018; 5(2):1-5., DOI:10.23937/2469-570X/1410054
54. **Ahmed Majeed Al-Shammari**, Israa G Zainal, Wjeeh Kachi: *Oncolytic Virotherapy and Cobalt Ferrite Nanoparticles as Breast Cancer Therapy*. *Molecular Therapy* 08/2018; 26(5S1):345 - 346.
55. Atheer S Alsabah, Abdulkareem H Abd, **Ahmed M Al-Shammari**: *Cytotoxicity of Xanthium Strumarium against Breast Cancer Cell Lines*. *Journal of Global Pharma Technology* 06/2018; 10(3).
56. Hamad, M. A., **Al-Shammari, A. M.**, Odisho, S. M., & Yaseen, N. Y. (2017). *Molecular Epidemiology of Bovine Papillomatosis and Identification of Three Genotypes in Central Iraq*. *Intervirology*, 60(4), 156-164.
57. Rajaa Hindi Salih, Shony Mechail Odisho, **Ahmed Majeed Al-Shammari**, Orooba Mohammed Saeed Ibrahim: *Antiviral Effects of Olea europaea Leaves Extract and Interferon-beta on Gene Expression of Newcastle Disease*

58. Akram R. Jabur, Emad S. Al-Hassani, **Ahmed M. Al-Shammari**, Manar A. Najim, Aymen A. Hassan, Aesar A. Ahmed: *Evaluation of Stem Cells' Growth on Electrospun Polycaprolactone (PCL) Scaffolds Used for Soft Tissue Applications*. *Energy Procedia* 07/2017; 119:61-71., DOI:10.1016/j.egypro.2017.07.048
59. **Ahmed Majeed Al-Shammari**, Cheia Majeed, Eman H. Yausif, Ayman Hassan, Nahi Y. Yaseen: *Treatment of Streptozotocin Induced Diabetes Mellitus in Mice by Subcutaneous Intra Adipose Tissue Transplantation of Beta Cells Induced from Bone Marrow Cells*. *Molecular Therapy* 05/2017; 25(5S1):75.
60. Abdullah RH, Yaseen NY, Salih SM, Al-Juboory AA, Hassan A, **Al-Shammari AM**. Induction of mice adult bone marrow mesenchymal stem cells into functional motor neuron-like cells. *Journal of Chemical Neuroanatomy*. 2016 Nov 30; 77:129-42.
61. Hussamadin M Kadhim, **Ahmed Majeed Al-Shammari**, Amer T Tawfeeq, Maeda H Mohammad, Ayman A Hassan: Benzene histotoxic and teratogenic Effects in exposed Mice. *Kufa Journal For Veterinary Medical Sciences* 8 (2), 2017.
62. Alsabari, I. K. A., Thahab, S. M., **Al-Shammari, A.**, Saadoon, B. H., & Allebban, Z. (2017). Nano-drug delivery system as a model for the treatment of breast cancer. *The Breast*, 32, S28-S29.
63. Khudhair YI, Hasso SA, Yaseen NY, **Al-Shammari AM**. Serological and molecular detection of bovine leukemia virus in cattle in Iraq. *Emerging microbes & infections*. 2016 Jun 1;5(6):e56.
64. Mohammad MH, **Al-Shammari AM**, Al-Juboory AA, Yaseen NY. characterization of neural stemness status through the neurogenesis process for bone marrow mesenchymal stem cells. *Stem cells and cloning: advances and applications*. 2016; 9:1.
65. Hamad MA, **Al-Shammari AM**, Odisho SM, Yaseen NY. Molecular and Phylogenetic Analysis of Bovine Papillomavirus Type 1: First Report in Iraqi Cattle. *Advances in Virology*. 2016 Jun 20;2016.
66. **Al-Shammari AM**, Rameez H, Al-Tae MF. Newcastle disease virus, rituximab, and doxorubicin combination as anti-hematological malignancy therapy. *Oncolytic Virotherapy*. 2016;5:27.
67. Sali, T.M., Pryke, K.M., Abraham, J., Liu, A., Archer, I., Broeckel, R., Staverosky, J.A., Smith, J.L., **Al-Shammari, A.**, Amsler, L. and Sheridan, K., 2015. Characterization of a Novel Human-Specific STING Agonist that Elicits Antiviral Activity Against Emerging Alphaviruses. *PLoS Pathog*, 11(12), p.e1005324.
68. **Al-Shammari, Ahmed M.**, Marwa I. Salman, Yahya D. Saihood, Nahi Y. Yaseen, Khansaa Raed, Hiba Kareem Shaker, Aesar Ahmed, Aseel Khalid, and Ahlam Duiach. "In Vitro Synergistic Enhancement of Newcastle Disease Virus to 5-Fluorouracil Cytotoxicity against Tumor Cells." *Biomedicines*4, no. 1 (2016): 3.
69. **Al-Shammari, A.M.**, 2015. Environmental pollutions associated to conflicts in Iraq and related health problems. *Reviews on environmental health*.
70. **Al-Shammari, A.M.**, et al., (2015). Embryonic Markers association in Mice Bearing Mammary Adenocarcinoma (AN3) transplantable tumor model. *Iraqi Journal for Cancer and Medical Genetics*. 8(2): p. 152 - 156.
71. Maeda Mohammad, Nahi Yaseen, Ahmad Al-Joubory, Rafal Abdullah, Noah Mahmood, Aesar A. Ahmed, **Ahmed Al-Shammari**: *Production of neural progenitors from Bone Marrow Mesenchymal Stem Cells*. *Stem Cell Discovery* 01/2016; 6(1).
72. **Al-Shammari, A. M.**, Salim, Z. M., Abdullah, A. H., & Yaseen, N. Y. 2-Deoxyglucose and Newcastle Disease Virus synergize to Kill Breast Cancer Cells by Inhibition of Glycolysis Pathway Through Glyceraldehyde3-Phosphate Downregulation. 3rd Middle East Molecular Biology Congress and Exhibition 2016- Doha.
73. Cheia Majeed, **Ahmed M Al-Shammari**, Eman H Yausif, Nahi Y Yaseen, Ayman Ali Husien, Rajha A Al-Naimi, Adnan Ajeel: *BM-MSCs Differentiated Insulin-Producing Cells Produce More Insulin in Presence of EGF than of FGF*. *Stem Cell Discovery* 11/2015; 5(4):33-39. DOI:10.4236/scd.2015.54004

74. **Ahmed Majeed Al-Shammari**, Worod Jawad, Mahfoodha Umran, Nahi Y Yaseen, Ayman Hussien: *Angiogenesis Factors Associated with New Breast Cancer Cell Line AMJ13 Cultured in Vitro*. *Advances in Breast Cancer Research* 10/2015; 4(4):100-108. DOI:10.4236/abcr.2015.44011
75. **Ahmed Majeed Al-Shammari**, Mortadha A Alshami, Mahfoodha Abbas Umran, Asmaa Amer Almkhtar, Y Yaseen, Khansaa Raad: *Establishment and characterization of a receptor-negative, hormone-nonresponsive breast cancer cell line from an Iraqi patient*. *Breast Cancer: Targets and Therapy* 08/2015; 7:223-230. DOI:10.2147/BCTT.S74509
76. **Ahmed Majeed Al-Shammari**, Tagreed J. Humadi, Eman H. Al-Tae, Shalal M. Al-Atabi, Nahi Y. Yaseen: *Oncolytic Newcastle Disease Virus Iraqi Virulent Strain Induce Apoptosis In Vitro through intrinsic Pathway and Association of Both Intrinsic and Extrinsic Pathways In Vivo*. *Molecular Therapy* 05/2015; 23(S1):S173-S174. DOI:10.1038/mt.2015.74
77. **Ahmed Majeed Al-Shammari**, Marwa Ibrahim Salman, Mahfoodha Abbas Umran: *Chondrogenesis Markers "COL1A1, COL2A1 and CRTAC1" Expression during Differentiation of Mice Bone Marrow Mesenchymal Stem Cells*. *International Journal of Research Studies in Biosciences (IJRSB)*. Volume 3, Issue 4, April 2015, PP 45-56.
78. Raghad dh Abdul Jalill, Mohammed F. Hussein, **Ahmed M. Al-Shammari**: *GC/MS ANALYSIS OF RHEUM RIBES RHIZOMES*. *Mintage journal of Pharmaceutical & Medical Sciences*. Vol 4 Suppl 1, Jan-March 2015. Pages: 29-34.
79. Noor H Ismail, **Ahmed M Al-Shammeri**, Ayser H Latif, Ayeda M Majeed, Dina W Abed: *Detection of Human Papilloma Virus type 6 and type 11 in women with Breast Cancer by in situ hybridization technique*. *Journal of the Faculty of Medicine, Baghdad* 01/2015; 57(1):57-63.
80. **Ahmed Majeed Al-Shammari**, Farah E. Ismaee, Shahlaa M. Salih: *Investigation of Live Attenuated Measles Virus Vaccine as Anti Tumor Agent*. *Journal of Al-Nahrain University* Vol.17 (3), September, 2014, pp.144-154
81. **Ahmed Majeed Al-Shammari**, Farah E Ismaeel, Shahlaa M Salih, Nahi Y Yaseen: *Live attenuated measles virus vaccine therapy for locally established malignant glioblastoma tumor cells*. *Oncolytic Virotherapy* 2014:3 57–68. DOI:10.2147/OV.S59037.
82. **Ahmed Majeed Al-Shammari**, Huda A. Al-Nassrawei, Ahmed Mahdi A. Kadhim: *Isolation and sero-diagnosis of Newcastle Disease Virus Infection in Human and Chicken Poultry Flocks In Three cities of Middle Euphrates*. *Kufa Journal For Veterinary Medical Sciences* Vol. (5) No. (1) 2014.
83. **Ahmed Majeed Al-Shammari**, Baydaa A. AL-Qaisy, Nahi Yousif Yaseen, Sabah N. Alwachi: *Comparison between three different protocols for isolation and culture of mouse bone marrow derived mesenchymal stem cells*. *Iraqi Journal of Cancer and Medical Genetics* Volume 7 - Number 1 – 2014, pp:26-35.
84. **Ahmed Majeed Al-Shammari**, Tagreed jabber humadi, Eman Hashim Al-Tae, Nahi Y. Yaseen: *Caspase-3 apoptotic induction by Iraqi Newcastle disease virus on mammary adenocarcinoma transplanted in mice*. *Iraqi Journal of Cancer and Medical Genetics* Volume 7 - Number 1 – 2014.
85. **Ahmed Majeed Al-Shammari**, Baydaa A. AL-Qaisy, Sabah N. Alwachi, Nahi Y. Yaseen: *Isolation and Identification of mouse bone marrow derived mesenchymal stem cells*. *Iraqi Journal of Cancer and Medical Genetics*. Volume 7 - Number 1 – 2014, page 49-55.
86. Raghad DH Abdul Jalill, Mustafa A Kalel, **Ahmed M Al-Shammari**: *GC-MS ANALYSIS OF CONVULVULUS ARVENSIS*. *International Journal of Pharmacy & Therapeutics* 01/2014; 5(2):122 - 133.
87. **Ahmed Al-Shammari**, Hayfa H. Hassani, Ula A.J. Ibrahim: *Newcastle Disease Virus (NDV) Iraqi Strain AD2141 Induces DNA Damage and FasL in Cancer Cell Lines*. 01/2014; *Journal of Biology and Life Science*, 2014, 5(1):1 - 11. DOI:10.5296/jbls.v5i1.4081.
88. **Ahmed Majeed Al-Shammari**, Hayfa H Hassani, Thura A Kadhim: *Cytotoxic and apoptotic activity of Ieiamycin Produced by Streptomyces atroolivaceus THS-44 isolate from Iraqi soli*. *European Journal of Experimental Biology* 01/2013; 3(5):301.

89. **Ahmed M. Al-Shammari**, Ahmed S. Al-Khafaji, Nahi Y. Yaseen: *Photoimmunotherapy by Cortactin monoclonal antibody conjugated with Hematoporphyrin derivative of a subcutaneous murine mammary adenocarcinoma using low power He-Ne laser*. Iraqi Journal of Cancer and Medical Genetics. Volume 6 - Number 2 – 2013.
90. **Ahmed M Al-Shammari**: *Induction of murine malignant lymphoma by 1-(2-chloro-ethyl)-3- cyclo-hexyl-1-nitrosourea, In vitro partial characterization* .Research journal of biotechnology 01/2013; 7(1):61.
91. **Ahmed Al-Shammari**, Nahi Y Yaseen, Shareef Al-Alwaji, Khansaa Raad, Shiamaa Salman Dawood: *Cytotoxic effect of crab shell extracts on different tumor cell lines*. QMJ VOL.8 No.14. 2012.
92. **Ahmed Al-Shammari**, Nahi Y Yaseen: *In Vitro Synergistic enhancement of Newcastle Disease Virus to Methotrexate cytotoxicity against tumor cells*. Al-Anbar J. Vet. Sci., Vol.: 5 No. (2), 2012.
93. Khaled J Khaleel, **Ahmed M Al-Shammari**, Nahi Y Yaseen, Hayder Adnan, Dina Wael: *The Incidence of Epstein Barr Virus Antibodies in Hodgkins Lymphoma*. Iraqi Journal of Cancer and Medical Genetic Research. Volume: 5 - Number 2 – 2012.
94. **Ahmed M Al-Shammari**, Nahi Y Yaseen, Mohammed J Alwan: *Newcastle Disease Virus Iraqi Oncolytic Strain Induce Apoptosis in Tumor Cells Through Endoplasmic Reticulum Pathway*. Iraqi Journal of Cancer and Medical Genetic Research. Volume: 5 - Number 1 – 2012.
95. Ahmed S Al-Khafaji, **Ahmed M Al-Shammari**: *PHOTODYNAMIC THERAPY OF SUBCUTANEOUS MURINE MAMMARY ADENOCARCINOMA*. Iraqi J. Biotech. 11 (1):109-120 (2012).
96. **Ahmed Al-Shammari**, Ayeda M. Majeed, Maeda H. Mohammad: *Cytotoxicity and Cytogenetic Study of Crud Extract of juglans spp*. Iraqi Journal of Cancer and Medical Genetic Research. Volume: 4 - Number 1 – 2011.
97. **Ahmed M Al-Shammari**, Nahi Y. Yaseen, Aymen Ali Hassan, Shalal Murad, Aesar A. Ahmed: *Induction of plasmacytoma in mice and establishment of continuous cell line that lack Retinoblastoma gene expression*. Iraqi Journal of Cancer and Medical Genetic Research. Volume: 4 - Number 2 – 2011.
98. **Ahmed M Al-Shammari**, Nahi Y. Yaseen, Mohammed J Alwan: *Immunology Study for NDV Treatment in Mice Bearing Mammary Adenocarcinoma Tumor*. Iraqi Journal of Cancer and Medical Genetic Research. Volume: 4 - Number 1 – 2011.
99. Al-Shammari, A, N. Yaseen, M. Alwan: *Newcastle disease virus Iraqi local isolate as a therapy for murine mammary adenocarcinoma: In vitro and in vivo study*. EJC Supplements 11/2010; 8(7):171-171.
DOI:10.1016/S1359-6349(10)72243-6
100. **Ahmed M. Al-Shammari**, Ahmed S. Al-Khafaji: *Photodynamic Action of low power He-Ne laser on photosensitized human Hep-2 and AMN3 cell lines with Hematoporphyrin derivative in vitro*. Iraqi Journal of Cancer and Medical Genetics. Volume: 3 - Number 1 – 2010.
101. **Ahmed Al-Shammari**, Nahi Yaseen, Mohammed J Alwan: *Study the Antigenic modification of tumor cell surface by NDV infection*
102. . Iraqi Journal of Cancer. Vo2.1 No.1, 2009.
103. **Ahmed Al-Shammari**, Nahi Yaseen: *Growth inhibitory effect of fresh garlic extracts on transplanted mammary adenocarcinoma in mice*. Iraqi Journal of Cancer. Vo2.1 No.1, 2009.
104. **Ahmed Al-Shammari**, Nahi Y. Yaseen, Mohammed J. Alwan: *Establishment and characterization of AN3 first murine mammary adenocarcinoma transplantable tumor line in Iraq*. Iraqi Journal of Cancer. Vol.1 No.2, 2008.
105. **Ahmed Majeed Al-Shammari**, Maeda Mohammad, Ahmed Aljuboory, Nahi Y. Yaseen, Nada Alanssari: *Characterization of Neural Stemness status through Neurogenesis Process for Bone Marrow Mesenchymal Stem Cells*. Middle East Molecular Biology Society Annual Congress, Istanbul - Turkey; 09/2015
106. **Ahmed M Al-Shammari**, Patrycja J Lech, Stephen J Russell: *Photosensitizing Oncolytic Measles Virus for Cancer Viro-Photodynamic Therapy*. The Seventeenth Annual Meeting of the American Society of Gene & Cell Therapy, Washington, DC; 05/2014

107. **Ahmed M. Al-Shammari**, Ahmed A Al-Juboury, Asmaa A. Al-Mukhtar, Nahi Y Yaseen, Amal M. Ali: *Abstract 1221: Establishment and characterization of a chemoresistant glioblastoma cell line from an Iraqi patient*. American Association of Cancer Research Annual Meeting, San Diego, CA, USA; 04/2014
108. **Ahmed Al-Shammari**, Zaid A. Alhilli, Nahi Y Yaseen: *Antiangiogenic effect of Iraqi Newcastle Disease Virus Virulent Strain*. 7th International Meeting on Oncolytic Viruses, Quebec City, Canada; 06/2013
109. **Ahmed M. Al-Shammari**, Zaid A. Al-Hili, Nahi Y. Yaseen: *Iraqi Newcastle Disease Virus Virulent Strain as Cancer Antiangiogenic Agent*. The ASGCT 16th Annual Meeting; 05/2013
110. **Ahmed Majeed Alshammari**, Marwa Ibrahim Salman, Mohfoodha Abbas Umran, Nahi Y. Yaseen: *Chondrogenic Differentiation of Mouse Bone Marrow Mesenchymal Stem Cells, First Successes in Iraq*. XX International Congress of Mediterranean Federation of Health and Production of Ruminants, 19-22 February (2013); 02/2013
111. **Ahmed Al-Shammari**, Ahmed A Al-Joboury, Nahi Y. Yaseen: *Isolation and Culture of neuronal stem cells which directed into Purkinje cells to be used for Brain damage and epilepsy treatment in mice*. American Society of Gene & Cell Therapy 15th Annual Meeting, Philadelphia, Pennsylvania; 05/2012
112. **Ahmed Majeed Al-Shammari**, Zaid A.A. Al-Hilli, Nahi Y. Yaseen: *Molecular Microarray Study for the anti-angiogenic effect of Newcastle Disease Virus on Glioblastoma tumor cells*. Third International Scientific Conference on Nanotechnology, Advanced Material and Their applications, University of Technology, Baghdad, Iraq; 11/2011
113. **Ahmed M Al-Shamery**, Nahi Yosif Yaseen, Mohammed J. Alwan. Study the synergistic effect of NDV and Mitomycin C by combination cytotoxicity assay in vitro. *Iraqi Journal of Cancer*. (2009). 2:1. P100.
114. **Ahmed Al-Shammari**, nahi Y Yaseen, Mohammed J Alwan: *Cyclophosphamide synergistically enhance Newcastle disease virus Iraqi strain oncolytic activity*. the 6th International Conference on Oncolytic Viruses as Cancer Therapeutics, Las Vegas Nevada; 03/2011.
115. Z Al-Hilli, **AM Hamza**, EF Al-Jumaily, NY Yaseen. "The Antiangiogenic effect of polyphenolic fraction of *Cyperus rotundus* L. on Human Glioblastoma cell line." First Scientific Conference on Nanotechnology, Advanced Material and Their applications, At University of Technology, Baghdad, Iraq. Vol. 1. 2009.

Patents

- 1- Ahmed Al-Shammari, Nahi Y Yaseen, Mohammed J Alwan: *Iraqi Newcastle Disease virus strain as cancer therapy*. Ref. No: 3700, Year: 01/2012
- 2- Ahmed M. Al-Shammari, Nahi Yaseen: *AN3 – Transplantable murine mammary adenocarcinoma tumor line*. Ref. No: A6ID7/00, Year: 10/2011

Conference Proceedings

- 1- Ahmed Majeed Al-Shammari, Maeda Mohammad, Ahmed Aljuboory, Nahi Y. Yaseen, Nada Alanssari: *Characterization of Neural Stemness status through Neurogenesis Process for Bone Marrow Mesenchymal Stem Cells*. Middle East Molecular Biology Society Annual Congress, Istanbul - Turkey; 09/2015
- 2- Ahmed M Al-Shammari, Patrycja J Lech, Stephen J Russell: *Photosensitizing Oncolytic Measles Virus for Cancer Viro-Photodynamic Therapy*. The Seventeenth Annual Meeting of the American Society of Gene & Cell Therapy, Washington, DC; 05/2014
- 3- Ahmed M. Al-Shammari, Ahmed A Al-Juboury, Asmaa A. Al-Mukhtar, Nahi Y Yaseen, Amal M. Ali: *Abstract 1221: Establishment and characterization of a chemoresistant glioblastoma cell line from an Iraqi patient*. American Association of Cancer Research Annual Meeting, San Diego, CA, USA; 04/2014
- 4- Ahmed Al-Shammari, Zaid A. Alhilli, Nahi Y Yaseen: *Antiangiogenic effect of Iraqi Newcastle Disease Virus Virulent Strain*. 7th International Meeting on Oncolytic Viruses, Quebec City, Canada; 06/2013
- 5- Ahmed M. Al-Shammari, Zaid A. Al-Hili, Nahi Y. Yaseen: *Iraqi Newcastle Disease Virus Virulent Strain as Cancer Antiangiogenic Agent*. The ASGCT 16th Annual Meeting; 05/2013
- 6- Ahmed Majeed Alshammari, Marwa Ibrahim Salman, Mohfoodha Abbas Umran, Nahi Y. Yaseen: *Chondrogenic Differentiation of Mouse Bone Marrow Mesenchymal Stem Cells, First Successes in Iraq*. XX

International Congress of Mediterranean Federation of Health and Production of Ruminants, 19-22 February (2013); 02/2013

- 7- Ahmed Al-Shammari, Ahmed A Al-Joboury, Nahi Y. Yaseen: *Isolation and Culture of neuronal stem cells which directed into Purkinje cells to be used for Brain damage and epilepsy treatment in mice*. American Society of Gene & Cell Therapy 15th Annual Meeting, Philadelphia, Pennsylvania; 05/2012
- 8- Ahmed Majeed Al-Shammari, Zaid A.A. Al-Hilli, Nahi Y. Yaseen: *Molecular Microarray Study for the anti-angiogenic effect of Newcastle Disease Virus on Glioblastoma tumor cells*. Third International Scientific Conference on Nanotechnology, Advanced Material and Their applications, University of Technology, Baghdad, Iraq; 11/2011
- 9- Ahmed Al-Shammari, nahi Y Yaseen, Mohammed J Alwan: *Cyclophosphamide synergistically enhance Newcastle disease virus Iraqi strain oncolytic activity*. the 6th International Conference on Oncolytic Viruses as Cancer Therapeutics, Las Vegas Nevada; 03/2011

PROFESSIONAL DEVELOPMENT

- Attendance certificate for American association of cancer research conference (advances in Cancer Research: From the Laboratory to the Clinic," held at the King Hussein Bin Talal Convention Center, Dead Sea, Jordan March 7-10, 2010
- Attendance certificate for XVIIIth Annual Congress Of the European Society of Gene and Cell Therapy 22 - 25 October 2010, Milano, Italy.
- Certificate of German language level A1 from Goethe institute /Germany.
- Attendance certificate for the 22nd EORTC-NCI-AACR Symposium that held in Berlin, Germany, 16-19 November 2010.
- Certificate by des Auswartigen Amts, des Deutschen Industrie – und Handelskammertags, des Goethe-instituts und des Bundesverbandes der Deutschen Industrie e.V. von August bis November 2010 teilgenommen (Hospitation bei der Tunstal GmbH, und bei der CellGeneix Technologie Transfer GmbH).
- Participation in the 6th International Conference on Oncolytic Viruses as Cancer Therapeutics March 16-19,2011 in Las Vegas Nevada, USA
- Attendance certificate for American association of cancer research (AACR) annual meeting, Orlando, Florida, USA. 2011
- Certificate of patency for creating animal tumor model for drug discovery granted by COSQC (2011).
- Certificate of participation in the third International Scientific Conference on Nanotechnology, Advanced Material and Their applications, University of Technology, Baghdad, Iraq; 11/2011
- Certificate from the Cleveland Clinic Foundation Center for Continuing Education certifies that Ahmed Al-Shammari, PhD has participated in the live activity titled 3rd Multi-Disciplinary Approach to Cancer Therapy Conference at Dubai International Convention & Exhibition Centre, United Arab Emirates on January 28 - 29, 2013. This activity Credit the participant 4.5 credit(s).
- Certificate for attendance and oral presentation for research work in XX International Congress of Mediterranean Federation for Health and Production of Ruminants, Assiut, Egypt – February 19 – 22, 2013.
- Certificate for attendance and oral presentation for research work in The Iraq Biotechnology Conference, Baghdad, Iraq – May 7 – 9, 2013.
- 1st National Workshop on Capacity Building in Health and Medical Research Ethics, Iraqi Ministry of Health, Iraqi Ministry of Higher education and scientific research, World health organization, 2-4/12/2013
- MENA Education Institute on Responsible Science, The World Academy of Science, U.S. National Academy of Sciences, May 7 - 12, 2014.
- Attendance certificate for American association of cancer research (AACR) annual meeting, San Diego, CA, USA. 2014
- Participation in the Seventeenth Annual Meeting of the American Society of Gene & Cell Therapy, Washington, DC; 05/2014
- Participation in the American Society of Gene & Cell Therapy (ASGCT) 18th Annual Meeting, New Orleans, USA; 05/2015
- Participation in the Middle East Molecular Biology Society Annual Congress, At Istanbul – Turkey, 2015.

- Participation with oral presentation in the International Oncology conference, At Muthana Medical School – Muthana, Iraq. 2016.
- ESGCT and ISSCR Collaborative Congress Florence, Italy (18-21 October 2016)

السيرة الذاتية

احمد مجيد حمزة الشمري

الجامعة المستنصرية – المركز العراقي لبحوث السرطان والوراثة الطبية

Mobile: +009647834958778

Email: alsammari.am@uomustansiriyah.edu.iq

ملخص تعريفي:

- أستاذ علم الامراض و باحث في مجال تطوير علاجات ذكية مضادة للسرطان باستعمال الفايروسات وموديلات ورمية من المرضى العراقيين لتطوير علاجات جديدة وفي مجال التطبيقات العلاجية للخلايا الجذعية. استاذ زائر في كلية مايوكلنك الطبية الامريكية (2011 و 2013) واستاذ زائر جامعة اوريجون الطبية (2011)
- Google Scholar h- index 24, Scopus h-index 19, Clarivet h-index 15

الشهادات الدراسية:

- #1 شهادة عليا في الصحة العالمية من معهد الصحة العالمية / جامعة ديوك/ الولايات المتحدة الامريكية - 2015
- #2: Ph.D. دكتوراة علم الامراض من كلية الطب البيطري جامعة بغداد عام 2009
- #3: M.Sc. ماجستير علم الامراض من كلية الطب البيطري جامعة بغداد عام 2003
- #4: B.Sc. بكالوريوس طب وجراحة بيطرية – كلية الطب البيطري جامعة القادسية عام 2000

الجوائز والتكريم الأكاديمي

- جائزة بحر العلوم للابداع بنسختها الرابعة 2022 في اختصاص العلوم الطبية – المركز الثاني
- جائزة الجمعية الهندية للفايروسات لافضل بحث منشور في مجل الامراض الفايروسية التابعة لدار نشر Springer-Nature.
- جائزة الجمعية العربية لعلوم النانوتكنولوجي والمواد – المركز الثاني - 2022
- جائزة نيسا العالمية لافضل بحث طبي وبايوطبي عراقي للاعوام 2019 و 2020
- وسام الابداع عدد 3 عن مشاركته في معرض براءات الاختراع المقام في الجامعة المستنصرية 2020
- جائزة الجامعة المستنصرية للعلوم والآداب لعام 2019 المركز الثالث
- جائزة الجامعة المستنصرية للعلوم والآداب لعام 2018 المركز الثالث
- جائزة المستنصرية كأكثر مخترع بعدد الاختراعات في الجامعة المستنصرية لعام 2018 وميدالية ذهبية في معرض الاختراعات الخاص بالجامعة المستنصرية.
- جائزة الابداع والتميز العلمي في يوم العلم لعام 2010 وعام 2011 وعام 2012 وعام 2013
- تكريم من السيد رئيس الجامعة المستنصرية في يوم العلم عام 2012
- تكريم وزارة الشباب والرياضة في مهرجان السيادة العلمي للابداعات والابتكارات العلمية الشبابية عام 2012
- حاصل على 16 كتاب شكر وتقدير في السنوات الخمس الأخيرة من رؤساء الجامعات والعمداء ووزارة الصناعة ووزارة العلوم والتكنولوجيا
- حاصل على ستة منح بحثية من مديرية البحث والتطوير في وزارة التعليم العالي والبحث العلمي للاعوام 2005 – 2014
- فائز بمنحة من وزارة الخارجية الألمانية للتطوير الأكاديمي والعلمي عام 2010
- فائز بمنحة بحثية (زمالة العلماء العراقيين) الامريكية عام 2011
- فائز بمنحة بحثية من مؤسسة CRDF الامريكية عن بحث حول الامراض المعدية الانتقالية لعام 2015 و 2020
- فائز بمنحة من مؤسسة العلوم والتكنولوجيا العربية بالاشتراك مع الأستاذ الدكتور ناهي يوسف ياسين للاعوام 2007 و 2010
- حاصل على اثني عشر براءة اختراع
- حاصل على براءة اختراع دولية
- عشرة براءات اختراع جديدة قيد التسجيل

الخبرة الأكاديمية والتدريس:

- أستاذ مساعد علم الامراض منذ عام 2013 مع خبرة مكثفة في علم الفايروسات وعلم الخلايا الجذعية والعلاج الجيني
- رئيس قسم العلاج التجريبي في المركز العراقي لبحوث السرطان والوراثة الطبية/ عام 2009 ولغاية 2018

- قائد مشروع بحثي مشترك مع معهد المناعة والأمراض المعدية في كلية ميلمان للصحة العامة / جامعة نيويورك في الولايات المتحدة عام 2016 ولغاية الآن.
- شهادة وكورس تدريبي في تقنيات المجهر الإلكتروني النافذ من شركة اف أي أي (FEI) الهولندية – ايندهوفن عام 2016
- شهادة عليا في الصحة العالمية من معهد الصحة العالمية في جامعة ديوك الأمريكية لعام 2015
- استشاري هيئة تحرير مجلة الفايروسات العلاجية المضادة للأورام Oncolytic Virotherapy Journal منذ العام 2015 ولغاية الآن.
- استاذ زائر في قسم الطب الجزيئي في كلية الطب مؤسسة مايوكلينك الطبية، الولايات المتحدة الأمريكية للاعوام 2011 و2013
- كورس تدريبي في تقنيات التشخيص الجزيئي للأمراض والتحويل الوراثي للأغذية بتقنية تفاعل البلمرة اللحضي من بايوتيكون الألمانية – برلين عام 2013
- كورس تدريبي على تقنيات التحليل الجزيئي للحامض النووي من مؤسسة اجلنت جينومكس في ألمانيا عام 2012
- استاذ زائر في معهد اللقاحات والعلاج الجيني / جامعة اوريغون الطبية – عام 2011
- باحث متدرب في معهد سيلجينكس التابع لجامعة فرايبورغ الألمانية مع شهادة من وزارة الخارجية الألمانية لعام 2010
- عضو هيئة تحرير المجلة العراقية للسرطان والوراثة الطبية ومقوم بحوث منذ عام 2010
- مقوم معتمد لمجلات عالمية ضمن تصنيفات كلاريفيت وسكوبس ومدرّب مقومين ضمن اكااديمية ببلونس العالمية.
- حاصل على شهادة في اللغة الألمانية من معهد كوته الألماني في مدينة شفيش هال الألمانية عام 2010
- دورة تدريبية حول البحث العلمي في اكااديمية العلوم الوطنية في تريستي إيطاليا وبرعاية اكااديمية العلوم العالمية لمدة أسبوع عام 2014

المقررات الدراسية التي تم تدريسها:

الدراسات العليا
• 1#تدريس مادة علم الأمراض لطلبة الدراسات العليا في كلية الطب البيطري/ جامعة القادسية
• 2#تدريس مادة الزراعة النسيجية / كلية العلوم / جامعة بغداد
• 3#تدريس مادة تقنيات الخلايا الجذعية المتقدمة لكلية علوم البنات وكلية التربية ابن الهيثم /جامعة بغداد
• 3#تدريس مادة الطب التجديدي المتقدمة لطلاب الدكتوراه في كلية علوم البنات /جامعة بغداد
• 3#تدريس مادة علم الأمراض النسيجي المتقدمة لطلاب الدكتوراه في كلية العلوم قسم التقنيات الحياتية /جامعة بغداد

- الإشراف على طلبة الدراسات العليا: ماجستير : (22) دكتوراه (23)
- الاشتراك في ثلاثين لجنة مناقشة طلاب ماجستير ودكتوراة

الانتساب المهني او الجمعيات:

- عضو الجمعية الأمريكية لبحوث السرطان منذ عام 2010 ولغاية الآن
- عضو الجمعية الأمريكية للعلاج الجيني والخلوي منذ العام 2011 ولغاية الآن
- عضو الجمعية الأوروبية للعلاج الجيني والخلوي منذ عام 2018
- عضو الجمعية الأمريكية لاختصاصيي علم الأورام السريري عام 2011
- عضو الجمعية العالمية للخلايا الجذعية عام 2016

براءات الاختراع

- 1- براءة اختراع نموذج ورمي لسرطان الثدي قابل للغرس في الفئران
- 2- براءة اختراع فايروس مرض النيوكاسل كعلاج للأورام
- 3- براءة اختراع انتاج وتوصيف خط خلايا لسرطان الدم اللمفاوي البقري والمصاب بفايروس مرض ابضاض الدم البقري
- 4- براءة اختراع تحضير وتوصيف نسيج اصطناعي من خلاط بوليميري باستخدام تقنية البرم الكهربائي.
- 5- براءة اختراع انتاج وتوصيف خط خلوي مستمر مشتق من كلية اجنة الابقار (FCKi7).
- 6- براءة اختراع تحضير علاجي تعاضدي لمادة الكلوكوز المنزوع الاوكسجين مع فايروس نيوكاسل لخلايا سرطان الثدي بهدف قتلها بشكل انتقائي
- 7- ابتكار طريقة جديدة وفعالة في انتاج خلايا جذعية عصبية في المختبر.

- 8- براءة اختراع علاج الأورام السرطانية باستعمال علاج تجميعي من مستخلص رايزومات نبات الراوند وفايروس النيوكاسل
- 9- براءة اختراع العلاج التآزري استعمال فايروس مرض النيوكاسل وحامض الريتينويك كمضاد لسرطانات الجهاز الهضمي.
- 10- براءة اختراع تصميم منظومة التفريغ بحاجز الجهد العازل ذي القطب السائب لإنتاج بلازما غير الحرارية لعلاج لسرطان الثدي
- 11- براءة اختراع تحضير ودراسة المشتقات الطبيعية كمضادات للسرطان

تطوير المهارات:

• المؤتمرات العلمية المشارك بها :

- 1- المؤتمر الدولي الاول عن النانوتكنولوجي، المواد المتقدمة وتطبيقاتها والمقام من قبل الجامعة التكنولوجية – بغداد عام 2009 والاشتراك ببحث
- 2- مؤتمر الجمعية الامريكية لبحوث السرطان حول الانتقال بالبحوث من المختبر الى الواقع السريري والمقام في الأردن عمان للعام 2010 والاشتراك ببحث في هذا المؤتمر
- 3- المؤتمر الثامن عشر السنوي للجمعية الاوربية للعلاج الجيني والخلوي والمقام في إيطاليا عام 2010
- 4- المؤتمر الثامن والعشرون المشترك بين الجمعية الاوربية للسرطان والجمعية الامريكية للسرطان والمعهد الوطني للسرطان الأمريكي والمسمى – استهداف الجزيئات كعلاج للسرطان والمقام في برلين المانيا عام 2010
- 5- المؤتمر الدولي السادس للفايروس المضادة للسرطان والمنعقد في لاس فيغاس الولايات المتحدة الامريكية برعاية مؤسسة مايوكليك عام 2011 والاشتراك ببحث
- 6- المؤتمر السنوي ال102 للجمعية الامريكية لبحوث السرطان والمنعقد في اورلاندو فلوريدا في الولايات المتحدة الامريكية عام 2011
- 7- المؤتمر الدولي الثالث عن النانوتكنولوجي، المواد المتقدمة وتطبيقاتها والمقام من قبل الجامعة التكنولوجية – بغداد عام 2011 والاشتراك ببحث
- 8- المؤتمر المتنوع الثالث عن طرق علاج الأورام والمقام في دبي – الامارات العربية المتحدة برعاية مؤسسة كليفلاند كلنك الامريكية عام 2013
- 9- المؤتمر الدولي العشرون للصحة في دول حوض المتوسط والمقام في مصر والاشتراك ببحث عام 2013
- 10- المؤتمر الأول للبايوتكنولوجي والمقام في بغداد حيث تم الاشتراك ببحث مع إدارة جلسات المؤتمر عام 2013
- 11- المؤتمر السنوي ال105 للجمعية الامريكية لبحوث السرطان والمنعقد في سان دييغو كاليفورنيا في الولايات المتحدة الامريكية عام 2014 والاشتراك ببحث
- 12- المؤتمر السنوي ال17 للجمعية الامريكية للعلاج الجيني والخلوي والمقام في واشنطن الولايات المتحدة عام 2014 والاشتراك ببحث
- 13- المؤتمر السنوي ال18 للجمعية الامريكية للعلاج الجيني والخلوي والمقام في نيواروليانز الولايات المتحدة عام 2015 والاشتراك ببحث
- 14- المؤتمر السنوي لجمعية الشرق الأوسط للحياة الجزيئي والمقام في إسطنبول تركيا عام 2015 والاشتراك ببحث
- 15- المؤتمر الدولي للأورام لكلية الطب جامعة المثني والاشتراك بالقاء بحث والمقام في محافظة السماوة عام 2016
- 16- الاشتراك بالمؤتمر التعاوني بين الجمعية الاوربية للعلاج الجيني والخلوي والجمعية العالمية للخلايا الجذعية في فلورنسا إيطاليا عام 2016
- 17- الاشتراك بالمؤتمر السنوي للجمعية الامريكية للعلاج الجيني والخلوي عام 2017 ببحث علمي
- 18- الاشتراك بالمؤتمر الدولي للفايروسات الحالة للسرطان والمقام في جامعة أكسفورد في بريطانيا والقاء بحث في المؤتمر عام 2018
- 19- الاشتراك بالمؤتمر السنوي للجمعية الامريكية للعلاج الجيني والخلوي عام 2018 ببحث علمي
- 20- اللقاء المحاضرة الافتتاحية للمؤتمر الدولي الاول لكلية الطب البيطري -جامعة القادسية – 2018
- 21- الاشتراك في المؤتمر الدولي الاول عن التقنيات المتقدمة في علاج وتشخيص مرض السرطان في معهد العلمين النجف الاشرف عام 2019 بالقاء بحث.
- 22- الاشتراك بالمؤتمر السنوي للجمعية الامريكية للعلاج الجيني والخلوي عام 2019 ببحث علمي
- 23- الاشتراك بالمؤتمر السنوي للجمعية الامريكية للعلاج الجيني والخلوي عام 2020 ببحث علمي

• ورش العمل

- 1- ورشة العمل الوطنية الأولى لبناء القدرات في اخلاقيات البحوث الصحية والطبية لعام 2013

- 2- ورشة عمل حول النشر العلمي الرصين والمقامه في كلية التقنيات الطبية – الجامعة التقنية الوسطى – عام 2016 والاشتراك كمحاضر
- 3- ورشة عمل حول البحث العلمي والنشر الرصين والمقامه من قبل المركز العراقي لبحوث السرطان والوراثة الطبية – الجامعة المستنصرية عام 2016 والاشتراك كمحاضر
- 4- ورشة عمل حول النشر العلمي الرصين والمقامه في كلية الطب البيطري- جامعة القادسية – عام 2018 والاشتراك كمحاضر

• الندوات

الاشتراك كمحاضر في مئات الندوات المتخصصة وحضور العشرات كمشارك