

Asst Prof Dr Inam S. Arif

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PERSONAL PROFILE

- Academic and researcher in pharmacology and toxicology:
- looking for new approaches to minimize and/or protect from myocardial failure.
- searching for more efficacious drug combinations that can be used in the treatment of cancer.

EDUCATION

- I. 1982, BSc Pharmacy / College of Pharmacy, University of Baghdad
- II. 1990, MSc Pharmacology and Toxicology / college of Pharmacy, University of Baghdad
- III. 2012, PhD Pharmacology and Toxicology / Faculty of Pharmacy, University of Reading, UK

EMPLOYMENT AND POSITIONS

- I. 1982 – 1987, Laboratory assistant in the lab of Pharmacology and Toxicology / College of Pharmacy, University of Baghdad
- II. 1990 – 1997, lab instructor in the lab of Pharmacology and Toxicology / College of Pharmacy, University of Baghdad
- III. 1999 – 2003, lecturer in Baghdad college of Pharmacy/Syndicate of Pharmacists / Baghdad / Iraq
- IV. 2003 – 2007, lecturer in Department of Pharmacology and Toxicology, College of Pharmacy, Mustansiriyah University
- V. 2012 - 2014, Head of Department of Pharmacology and Toxicology, College of Pharmacy, Mustansiriyah University
- VI. 2014 – 2019, Dean assistant for scientific affairs, College of Pharmacy, Mustansiriyah University
- VII. 2019- 2020, Professor in Pharmacology, Department of Pharmacology and Toxicology, College of Pharmacy, Mustansiriyah University
- VIII. 2020-present, Dean assistant for scientific affairs, College of Pharmacy, Mustansiriyah University

PROFESSIONAL MEMBERSHIPS

- I. Iraqi syndicate for pharmacists
- II. Society of toxicology, USA

III. American association of pharmaceutical scientists

IV. Academy of pharmaceutical sciences, UK

V. Iraqi association for nanotechnology

PRACTICAL EXPERIENCE

- I. Good experience to deal with the following techniques and instruments:
- II. Isolated tissue experiments (isolated smooth muscles, cardiac muscles & skeletal muscles)
- III. Tissue culture (cell lines & primary cells)
- IV. Western blotting
- V. Flow cytometry
- VI. Immunohistochemistry
- VII. Confocal microscope
- VIII. Raman spectroscopy

TEACHING EXPERIENCE

- Pharmacology (theory, practical)
- Basic and Clinical Toxicology (theory, practical)
- Mechanistic toxicology (MSc students)
- Molecular pharmacology (MSc students)
- Supervision of students – 5th year students, MSc students

PUBLICATIONS

1. Al Masree, F., Arif I. S. Does chloramphenicol affect the pharmacological activity of acetaminophene and phenylbutazone? J of pharmaceutical sciences, 1989, (2): 1-7.
2. Ghazi F. Al-Tememi, Inam S. Arif, Nidhal F. Al -Ghrary. Investigation of the pharmacological activity of two acetylenic triazoline derivatives. Prog. Neuro-psychopharmacology & bio. Psych., 1995, 19): 256-274.
3. Francesca Greco, Inam Arif, Ruth Botting, Cristina Fante, Luigi Quintieri, Chiara Clementi, Oddone Schiavon and Gianfranco Pasut. acid as a drug carrier: evaluation of a new polysialic acid-epirubicin conjugate and its comparison against established drug carriers, Polymer chemistry, 2013, 4, 1600-1609.
<http://pubs.rsc.org/en/content/articlelanding/2012/py/c2py20876h#!divAbstract>
4. I.S. Arif, C. I. Hooper, F. Greco, A. C. Williams, S. Y. Boateng. doxorubicin activity against breast cancer cells using PPAR γ -ligands and by exploiting circadian rhythms, Br J Pharmacol. 2013

Jul;169(5):1178-88.

<http://onlinelibrary.wiley.com/doi/10.1111/bph.12202/full>

5. S. Arif, Modulating the antiproliferative activity and cardiotoxicity of doxorubicin with melatonin and PPAR γ -ligands. University of Reading. 2012. <http://ethos.bl.uk/OrderDetails.do?uin=uk.bl.ethos.558781>
6. Marwan G Oleiwi, Bahi AR Mshemish, Inam S Arif, Sawsan S Abbas, Mowafaq M Ghreeb. Effect of some, anticancer drugs on the growth of children with Acute Lymphoblastic Leukemia in Iraq. Journal of Health, Medicine and Nursing ISSN 2422-8419 An International Peer-reviewed Journal, Vol. 2015, (13).
www.iiste.org/Journals/index.php/JHMN/article/view/22718
7. Arif, ISA. Pioglitazone, amygdalin and resveratrol, synergistically augment cytotoxicity of doxorubicin on Caco2 cell line, Pharmacie Globale (IJCP) 2015, 04 (03).
<http://search.proquest.com/openview/942580197a1a902a131a656096ea6b2f1/1?pq-origsite=gscholar&cbl=1036418>
8. Manal K. Abdul Ridha, Inam S. Arif, Hadeel D Najim. Effect of Rowatinex in the Treatment of Renal Stone after Extracorporeal Shock Wave Lithotripsy. World journal of pharmaceutical research, 2015, 4, 12, 1981-1987.
https://www.researchgate.net/.../299458094_Role_of_Rowatinex_in_the_Treatment_of_Renal_Stone_after_Extracorporeal_Shock_Wave_Lithotripsy
9. Amanee A Abud. Inam S Arif, Muthenna I Al-Ezzi. A comparative study for the effect of rosiglitazone and sitagliptin on the myocardium of diabetic experimental animals, Int J of Pharm Sci. Rev. Res, 2015, 35(2), 39, 219-225. <http://globalresearchonline.net/journalcontents/v35-2/39.pdf>
10. Ibrahim S. Abass, Muthanna I. Al-Ezzi, Inam S. Arif, Ghaith A. Jasim, Determination of essential oil percentage with evaluation of antihyperlipidemic activity of three natural gums in rats, Int J of Pharm Sci. Rev. Res, 2016, (1), 09, p: 41-44.
https://www.researchgate.net/.../305767048_Determination_of_essential_oil_percentage_with_evaluation_of_antihyperlipidemic_activity_of_three_natural_gums_in_rats
11. Monther F. Mahdi, Inam S. Arif, Najwan K. Jubair. Design, synthesis and preliminary pharmacological evaluation of new metformin derivatives. International journal of pharmacy and pharmaceutical science, 2017, 9 (1), p:239-245.

12. Wrood S. Al-Khfajy 1, Inam Sameh Arif 1, Munaf H. Zalzalaa2.
Epidemiological Survey of Intentional and Non- Intentional Poisoning Cases in Iraq during 2014-2016, Journal of Global Pharma Technology 2017; 11(09):189-198.
13. Yahya G. Karwi, Inam S. Arif, Muthanna I. Al-Ezzi The potential protective effect of metformin on selective cardiac biomarkers in diabetic male rats. AJPS, 2017, Vol. 17, No.1, 107-113.
14. Tiba Majid Hameed, Ashour Hamood Dawood, Inaam Sameh Arif, Yahya Dreaam Saihood. In Vivo Study of the Anticancer Activity of Doxorubicin Loaded on a Cellulose-Based Nanocarrier System. AJPS, AJPS,ol. 18(2), 34-40.
15. Wrood s. Al-khfajy, Sarmed h. Kathem, Amani Anees Aboddy, Suhad Faisal Hatem3, Munaf h. Zalzalaa, Inam Sameh Arif. Farnesoid X Receptor is an Exciting New Perspective Target For Treatment Of Diverse Pathological Disorders: Review. J. Pharm. Sci. & Res., 2018, Vol. 10(9), 2292-2296.
16. Manal Khalid Abdulridha, Ameer Raad Abdulaali, Inam Sameh Arif. ,Modulation of endogenous angiotensin II, systolic, and diastolic blood pressure in hypovitaminosis D patients with cardiovascular risk after oral vitamin D3 ... International Journal of Research and Pharmaceutical Sciences 9 (4), 1382-1392.
17. Ameer Raad Abdulaali ,Manal Khalid Abdulridha ,Inam Sameh Arif. Effect of vitaminD3 supplement on biochemical markers and blood pressure reading in hypertensive patients as a secondary prevention. AJPS, 2018, Vol. 18, No.2 18 (2), 1-9
18. Aiyat Hasan Yahya Al-khafaji, Inaam Sameh Arif. Evaluation of anti-proliferative activity of simvastatin and atorvastatin on MCF7 cell line compared with doxorubicin using MTT test. AJPS, 2018, Vol. 18, No.2, 163-169.
19. Ahmed Wahhab Mohammed, Inam Samih Arif , Ghaith Ali Jasim. The Cytotoxic Effect of Metformin on RD Cell Line. AJPS, 2019, Vol.19, No.1, 85-95.
20. Tiba Majid Hameed, Ashour Hamood Dawood, Inaam Sameh Arif,Extraction, modification and characterization of cellulose nanowhiskers as a nanodelivery system for doxorubicin. Journal of Pharmaceutical Sciences and Research. November, 2018, Vol. 10(11), 2018, 2768-2774.
21. Aiyat Hasan Yahya, Inam Sameh Arif and Dalya Basil Hanna. Evaluation of antiproliferative effect of simvastatin and atorvastatin alone and in combination with doxorubicin on MCF-7 cell line. Biochem. Cell. Arch. Vol. 19, No. 1, pp. 1025-1034, 2019 .

22. Ahmed Wahhab Mohammed, Inam Samih Arif , Ghaith Ali Jasim. The cytotoxicity and antiproliferative effect of metformin on solid tumors in vitro cell lines . J. Pharm. Sci. & Res., 2019
23. Mohammed Hussein shaty, Inam Sameh Arif, Muthanna I. Al-Ezzi, Dalya Basil. The Protective Effect of Metformin Against Doxorubicin Induced Cardiotoxicity in Rabbits. AJPS, 2019, Vol.19, No.1.
24. Mohammed Hussein shaty, Inam Sameh Arif, Muthanna I. Al-Ezzi, Dalya Basil. Metformin attenuate fibrosis in both acute and chronic doxorubicin cardiotoxicity in rabbits. 2018, J. of Pharmaceutical Sciences and Research, Vol. 10(6), 2018, 1559-1565.
25. Al-Kafajy, W.S.; Baiee, G.K, Arif, I.S. Environmental exposures to low level of cadmium and lead and hearing impairment in Iraqi patients. 2018. Asian Journal of Pharmaceutical and Clinical Research, 11(7), pp. 512-515
26. Mohammed Hussein Shaty¹, Muthanna I. Al-Ezzi², Inam Sameh Arif³, Dalya Basil Effect of Metformin on inflammatory markers involved in Cardiotoxicity induced by Doxorubicin. Research J. Pharm. and Tech. 12(12): December 2019.
27. Marwah Saad Joudah, Basma Talib Al-Sudani, Inam Sameh Arif, Marija Krstic- Demonacos, Patricia A. Ragazzon. New Bio-Therapeutic Candidate for Pancreatic Cancer. Indian J. of Forensic Medicine and Toxicology, 2020, Vol.14, (1); 289-293.
28. Marwah Saad Joudah, Basma Talib Al-Sudani, Inam Sameh Arif. SIRT1 activators as novel therapy for cancer. AJPS, 2019; 28-41.
29. Lubna Zuhair Abdul Karim, Inam Sameh Arif, Fouad A. Al Saady. Lipidomics application to explain acute cardiotoxicity induced by doxorubicin. AJPS, 2019, Vol 19(4); 161-169. Platinum analogs on some genes and as anticancer drugs
30. Shakur, D.A., Al-Mugdadi, S.F.H., Arif, I.S. Molecular mechanisms and immunomodulatory effects of platinum analogs on some genes and as anticancer drugs. 2020, Journal of Critical Reviews 7(9), pp. 81-83.
31. Tariq, R.A., Al-Sudani, B.T., Arif, I.S. 2020. Promising preclinical data to a possible antidiabetic drug. International Journal of Pharmaceutical Research, 2020, 12(4), pp. 2737-2744.
32. Tariq, R.A., Arif, I.S., Al-Sudani, B.T.. 2020. SIRTUIN 1, a novel approach in the treatment of type 2 diabetes mellitus. Systematic Reviews in Pharmacy, 2020, 11(11), pp. 117-128.

CONFERENCES and COURSES ATTENDED

1. "Statistics made simple" / University of Reading / Statistical services centre, 30 June-11 august 2008.
2. The Academy of Pharmaceutical Sciences 'Promoting the pharmaceutical sciences' Sep. 5-7th, 2011, Nottingham University / UK.

3. General introduction to quality management system as per standard ISO 9001:2008. 8th March, 2012, Baghdad / Iraq.
4. 1st scientific conference for drug quality control and researches, 27-28-June-2012, Baghdad / Iraq.
5. Ninth scientific / Al Mustansiriyah Univ. Medical College, 27-28-March-2014.
6. "7th International Conference on Drug Discovery and Therapy". February 15-18, 2016 at University of Sharjah, Sharjah, UAE.
7. "Regional faculty development workshop on curricular design" /Al Ain Univ. in conjunction with AACP 13-14 March 2016.
8. "Advancing Pharmacy Horizons: Integrating Education, Practice & Research" from the 18th-20th of October 2016 at LIU Bekaa campus.
9. "Best practices for planning educational assessment and curriculum mapping" /Al Ain Univ. in conjunction with AACP 5 - 6 March 2017.
10. "Best practices for planning and evaluation of experiential education" /Al Ain Univ. in conjunction with AACP 4 - 5 March 2018.
11. International Conference on Recent Advances in Medical Science (ICRAMS). Istanbul, 20-21 July. Diabetic patients' adherence to medications and related factors in a sample of the Iraqi population.
12. The 4th Regional Pharmacy Faculty Development Workshop 2019 at Al Ain University.
13. The 5th Regional Pharmacy Faculty Development Workshop 2020 at Al Ain University.

SUPERVISION / MSc STUDENTS

8 MSc students / College of Pharmacy / Mustansiriyah Univ.

Thesis of MSc students:

- 1- Amani Anees Aboddy "A Comparative Study for the Effect of Rosiglitazone and Sitagliptin on the Myocardium of Diabetic Experimental Animals" 2015
- 2- Najwan Khaleel Jubair "Design, synthesis and preliminary pharmacological evaluation of new metformin derivative" 2016
- 3- Yahya Ghanem "New perception in the cardioprotective effect of metformin against cardiotoxicity in male rats" 2017
- 4- Mohammed Hussein Shaty "Effect of metformin on the TGF- β 1-Smad 3 signalling pathway and other markers on cardiac toxicity induced by doxorubicin in male rabbits" 2018
- 5- Ameer Raad Abdulaali "Effect of vitamin D3 supplement as an adjuvant therapy on blood pressure readings and some biochemical markers in a sample of Iraqi patients with hypertension" 2018
- 6- Tiba Majid Hameed "Synthesis, characterization and application of cellulose nanowhiskers for enhanced performance of doxorubicin" 2018
- 7- Ahmed Wahhab Mohammed "The cytotoxic and antiproliferative effects of metformin on MCF-7 and RD tumor cell lines using in vitro approaches" 2018
- 8- Ayat Al Khafajee "Assessment of Cytotoxic effect of atorvastatin and simvastatin on breast cancer cell line" 2018.
- 9- Lubna Zuhair "Metabolomics application to explain metformin's cardioprotective effect in acute doxorubicin – induced cardiotoxicity"
- 10- Marwa Saad Joda "Generation and pre-clinical testing of a new bio-therapeutic candidate aptamer towards SIRT1 enzyme for pancreatic cancer therapy"

In progress:

PROFESSIONAL MEMBERSHIPS

- I. Iraqi syndicat for pharmacists
- II. American Association of Pharmaceutical Scientists
- III. Academy of Pharmaceutical sciences, UK
- IV. Iraqi association for nanotechnology