

CURRICULUM VITAE

Full name: Luay Yousif Mohammed Al-Essa

Department/Faculty: Pharmacy department/Faculty of Pharmacy

University: Al-Zaytoonah University of Jordan, Amman, Jordan

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1. Personal Data

Date of Birth: Nov. 8th/1956

Nationality: Iraqi

2. Education

Ph.D. in Pharmacology, 1995, Gifu university, Gifu, Gifu, Japan

M.Sc. Pharmacology, 1984, Baghdad University, Baghdad, Baghdad, Iraq

3. Ph.D. Dissertation

Differential superoxide modulation of circulating and exudated polymorphonuclear leukocytes, Gifu University, Gifu, Gifu, Japan.

4. Employment

Academic Positions

Associate Professor, Pharmacy department, Al-Zaytoonah University of Jordan, Amman, Jordan

Dec. 9th , 2005

Assistant Professor, Pharmacy department, Al-Zaytoonah University of Jordan, Amman, Jordan

Sep. 1st /1995- Dec. 9th , 2005



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Lecturer, Department of pharmacology, Faculty of Medicine, Baghdad University, Baghdad, Iraq
 Sep. 14th/1988- Sep. 1st /1995
 Assistant lecturer, Department of pharmacology, Faculty of Medicine, Baghdad University, Baghdad, Iraq
 Dec. 6th /1984- Sep. 14th/1988
 Demonstrator (Teaching Assistant), Department of pharmacology, Faculty of Medicine, Baghdad University, Baghdad, Iraq
 Dec. 6th /1982- Dec. 6th /1984

5. Research Interests

Drug treatment of diabetes and infections

6. Membership in Scientific Societies and Associations

Not applicable

7. Honors and Awards

- Honored for distinctive efforts in the Examination Committee, Faculty of Medicine, Baghdad University, Oct. 13th, 1987.
- Honored for distinctive scientific performance, Faculty of Medicine, Baghdad University, Jan. 21st, 1988.
- Honored for distinctive efforts in the Examination Committee, Faculty of Medicine, Baghdad University, Nov. 14th, 1988.
- Honored for distinctive scientific performance, Faculty of Medicine, Baghdad University, Jan. 21st, 1988.
- Honored for distinctive scientific performance, Ministry of higher education and scientific research, July. 1st, 1989.
- Honored for distinctive efforts in the Examination Committee, Faculty of Medicine, Baghdad University, Oct. 28th, 1989.
- Honored for participation in the scientific anti-smoking day, AlZaytoonah University, 2002.
- Honored for distinctive effort as head of the pharmacy department, AlZaytoonah University, Dec. 3rd, 2003.
- Honored for participation as lecturer for “new antibiotics” in the continuous education program of the Jordan pharmacists association, Jan. 20th –Feb. 10th, 2007.
- Honored for participation as lecturer for “new in the treatment of asthma and influenza” in the continuous education program of the Jordan pharmacists association, Feb. 28th –March 28th, 2007.



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- Honored for participation as lecturer for “new trends in treating hypertension, diabetes and heart diseases” in the continuous education program of the Jordan pharmacists association, May 5th –June 2nd, 2007.
- Honored for participation as lecturer for “Health care for women” in the continuous education program of the Jordan pharmacist association, July 7th – July 28th, 2007.
- Honored for participation as lecturer for “Skin care, Cosmetics, Herbal products, GIT Disorders” in the continuous education program of the Jordan pharmacist association, Aug. 15th –Sep. 9th, 2007.
- Honored for participation as lecturer for “Risks and misuse of OTC drugs” in the continuous education program of the Jordan pharmacist association, March 2009.
- Honored for participation as lecturer for “new antibiotics” in the continuous education program of the Jordan pharmacists association, Jan. 20th –Feb. 10th, 2007.
- Honored for participation as lecturer for “new in the treatment of asthma and influenza” in the continuous education program of the Jordan pharmacists association, Feb. 28th –March 28th, 2007.
- Honored for participation as lecturer for “new trends in treating hypertension, diabetes and heart diseases” in the continuous education program of the Jordan pharmacists association, May 5th –June 2nd, 2007.
- Honored for participation as lecturer for “Health care for women” in the continuous education program of the Jordan pharmacist association, July 7th – July 28th, 2007.
- Honored for participation as lecturer in the continuous education program of the Jordan pharmacist association, June 6th-27th, 2007.
- Honored for distinctive efforts in the organization of the 3rd International Jordanian Pharmaceutical Conference, Nov. 8th, 2010.
- Honored for participation as lecturer in the International health day, alzaytoonah University, May 26th, 2011.
- Honored as the favored doctor by the student association for the year 2014-2015.
- Honored for prolong contribution in development of the Faculty of Pharmacy- Alzaytoonah University. April 14th, 2019.
- Honored for the contribution in the first competition of the Pharmacy Faculties in Jordan. April 25th, 2019.

9. Teaching Experience

- **Graduate Courses**

1. Advanced Pharmacology
2. Advanced pathophysiology for nursing students

- **Undergraduate Courses**



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1. Pharmacology 1
2. Pharmacology 2
3. Pharmacology 3
4. Pharmacology Lab.
5. Pharmacology for nursing
6. Clinical pharmacy and therapeutics 1
7. Clinical Pharmacy and therapeutics 2
8. Clinical cases Lab.
9. Clinical pharmacy Lab. (hospital)
10. Pharmaceutical practice lab. 1
11. Pharmaceutical practice lab. 2
12. Toxicology lab.
13. General biology
14. Anatomy and Histology
15. Anatomy Lab.
16. Anatomy for nursing
17. Physiology 1
18. Physiology 2
19. Physiology lab.
20. Pathophysiology
21. Pathophysiology for nursing
22. Public health and society
23. First aids lab.
24. Medical terminology

10. Supervision of Graduate Research

- a. Nisrin Azmy Mohamed El-Shennawy, Molecular characterization of the antihyperlipidemic activity of novel indole-carboxamides series in rats, 2016
- b. Yasmeen Azmi El Shinnawi, Synthesis of some new amide derivative containing heterocyclic moieties such as thiazolidinone and azetidinone and study some of their expected antimicrobial activity, 2016.
- c. Mohammad Hasan Abunaja, Mapping the intensive care unit environment and health care workers for methicillin-resistant Staphylococcus aureus bacteria at Jamil Tutanji hospital, Jordan, 2017.
- d. Abdulhasib Samer Kilani, Alteration in the gene expression of drug metabolizing enzymes in diabetic animal models, 2018.
- e. Sara Mefleh, Synthesis and biological evaluation of novel hydrazine derivatives as potential dipeptidyl peptidase-4 inhibitors, 2018.
- f. Maha jamil, Schiff's bases: Synthesis, Characterization, in vitro and in vivo evaluation as DPP-IV inhibitors, 2019.

11. Professional and Scientific Meetings

Scientific Meetings Organized



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- Member of the Organizing Committee of the Al-Zaytoonah University of Jordan & The University of Toledo International Pharmaceutical Conference (ZTIPC 2015), Amman-Jordan 21-23 October 2015.
- Member of the Organizing Committee of the Al-Zaytoonah University of Jordan & The University of Toledo International Pharmaceutical Conference (ZTIPC 2012), Amman-Jordan 17-19 October 2012.
- Member of the Organizing Committee of the Jordanian International Pharmaceutical Conference (JIPC 2010), Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman-Jordan 20-22 October 2010.
- Member of the Organizing Committee of the Jordanian International Pharmaceutical Conference (JIPC 2008), Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman-Jordan 15-17 October 2008.
- Member of the Organizing Committee of the Jordanian International Pharmaceutical Conference (JIPC 2006), Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman-Jordan 15-17 November 2006.

Participation in Scientific meetings

- a. The 3rd conference of the scientific society of faculties of pharmacy in the arab world, Tanta, Egypt, 1999.
- b. The 4rd conference of the scientific society of faculties of pharmacy in the arab world, Munster, Tunisia, 2000.
- c. The international pharmaceutical conference of Assuit University, 2004.

12. Participation in or organization of curricular and/or extra-curricular activities

- Anti-smoking day, 2002.
- Blackboard learning system workshop, 2005.
- Lecturer for “new antibiotics” in the continuous education program of the Jordan pharmacists association, 2007.
- Lecturer for “new in the treatment of asthma and influenza” in the continuous education program of the Jordan pharmacists association, 2007.
- Lecturer for “new trends in treating hypertension, diabetes and heart diseases” in the continuous education program of the Jordan pharmacists association, 2007.
- Lecturer for “Health care for women” in the continuous education program of the Jordan pharmacist association, 2007.
- Lecturer for “Skin care, Cosmetics, Herbal products, GIT Disorders” in the continuous education program of the Jordan pharmacist association, 2007.
- Lecturer for “Risks and misuse of OTC drugs” in the continuous education program of the Jordan pharmacist association, 2009.
- Lecturer for “new antibiotics” in the continuous education program of the Jordan pharmacists association, 2007.
- Lecturer for “new in the treatment of asthma and influenza” in the continuous education program of the Jordan pharmacists association, 2007.



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- Lecturer for “new trends in treating hypertension, diabetes and heart diseases” in the continuous education program of the Jordan pharmacists association, 2007.
- Lecturer for “Health care for women” in the continuous education program of the Jordan pharmacist association, 2007.
- Lecturer in the continuous education program of the Jordan pharmacist association, 2007.
- Lecturer in the International health day, alzaytoonah University, 2011.
- Training course for structuring learning outcomes matrices in study plans, 2018.

13. Publications

Al-Essa L. Y., Al-Jubouri L. M., Al-Jubouri H. H., The effect of diazoxide on endotoxin induced hypoglycaemia and mortality in mice. IRCS Med. Sci. Res., 13, 1985, 426-427.

Najim R. A., **Al-Essa L. Y.**, Al-Jubouri L. M., Benzodiazepine induced hyperglycemia, Med. Sci. Res., 15, 1987, 95-69.

Najim R. A., **Al-Essa L. Y.**, Al-Jawad F. H., Effect of some drugs acting at the central – type benzodiazepine receptors on blood glucose in mice. Clinical and Experimental pharmacology and Physiology. 16,1989, 7-12.

Najim R. A., **Al-Essa L. Y.**, Jibouri L. M., Effect of some drugs acting at the peripheral –type benzodiazepine receptors on blood glucose in mice. Med. Sci. Res., 17, 1989, 783-783.

Al-Essa L. Y., Niwa M., Kobayashi M., Nozaki M. and Tsurumi K., Glucagon modulates superoxide generation in human polymorph nuclear leukocytes. Life Sciences, 53, 1993, 1439-1445.

Niwa M., Iwai T., **Al-Essa L. Y.**, Nozaki M. and Tsurumi K., Characterization of opioid receptors in the Mongolian gerbil cerebellum. Life Sciences, 55, 1994, 1277-1283.

Al-Essa L. Y., Niwa M., Kohno K., and Tsurumi K., A proposal for purification of salivary polymorph nuclear leukocytes by combination of nylon mesh filtration and density – gradient method: a validation by superoxide and cyclic AMP generating responses. Life Sciences, 55, 1994, PL 333-338.

Niwa M., **Al-Essa L. Y.**, Tsurumi K., Iwamura T. and Kataoka T. Opioid receptor affinity of dihydroetorphine in comparison with etorphine. Regulatory Peptides, 54, 1994, 211-212.

Niwa M., Khono K., **Al-Essa L. Y.**, Kobayashi M., Nozaki M., Tsurumi K., Ibudilast, an anti-allergic and cerebral vasodilator, modulates superoxide production in human neutrophils. Life Sciences, 56, 1994, 107-115.



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Nozaki M., Niwa M., Kohno K., **Al-Essa L. Y.**, Era S., Katoh S., Idaka E., Yamaguchi M., Ohno K., Different cAMP responses to superoxide generation between polymorphonuclear leukocytes derived from peripheral blood and peritoneal exudates. Gifu University Center for cooperative Research, 3, 1993, 13-18. (Japanese).

Al-Essa L. Y., Niwa M., Kohno K., Nozaki M., Tsurumi K., Heterogeneity of circulation and exudates polymorphonuclear leukocytes in superoxide generation response to cyclic AMP and cyclic AMP elevating agents: investigation of the underlying mechanism. *Biochemical Pharmacology*, 49, 1995, 315-322.

Niwa M., **Al-Essa L. Y.**, Ohta S., Khono K., Nozaki M., Tsurumi K., Iwamura T., Kataoka T., Opioid receptor interaction and adenylyl cyclase inhibition dihydroetorphine: direct comparison with etorphine. *Life Science* 56, 1995, PL 395-400.

Niwa M., **Al-Essa L. Y.**, Khono K., Kanamori Y., Matsuno M., Abe A., Uematsu T., The loss of recombinant human granulocyte colony stimulating factor and recombinant human TNF priming effects on the superoxide generating response in exudated neutrophils is associated with a decrease in their in their receptor affinities. *Journal of Immunology*, 157, 1996, 4147.

Kanamori Y., Niwa M., Khono K., **Al-Essa L. Y.**, Matsuno H., kazawa O., Uematsu T., Migration of neutrophils from blood to tissue: alteration of modulatory effects of prostanoid on superoxide generation in rabbits and humans. *Life Sciences*, 60, 1997, 1407-1417.

Abu-Al-Futuh I. M., **Al-Essa L. Y.**, Jamil R. M., Al-Mahdee M. A., Hasan M. A. M., Al-Sheikh I A., Preliminary screening of extracts from *Mentha Longifolia*. Proceeding of the 1st medicinal plants conference, Applied Science University, Amman- Jordan, 77-81, May, 1998, 23rd -25th.

Jamil R. M., Abu-Al-Futuh I. M, Hasan M. A. M., **Al-Essa L. Y.**, Al-Sheikh I A. Antibacterial effects of extracts from *Mentha Longifolia*. *J.J Appl. Sci.*, 1, 1999, 1-7.

Al-Douri N. A., **Al-Essa L. Y.** Shervington L. A., Vartanian S. T., A qualitative analysis and the pharmacological effect of volatile oil components of *varthemia iphionoides* (V.I) growing wild in Jordan. *J. J. Appl. Sci.*, 2(3), 2000, 46-53.

Al-Essa L. Y., Hasan M. A. M, Abu-Al-Futuh I. M, Jamil R. M, Al-Sheikh I A., Mohammed C. Al-Noaemi M. C., Pharmacological effects of extracts from *Mentha Longifolia*. *L.Huds, Al-Balq`a Journal* 9(2), 2002, 87-93.

Al-Noaemi M. C., **Al-Essa L. Y.**, Hasan M. A. M., Al-Noaemi A. C., Evaluating the effective use of oral Rehydration Therapy. *Al-Balq`a Journal*, 9(2), 87-94, 2001.



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Al-Essa L. Y, Cellular calcium in human polymorph nuclear leukocytes during inhibition of superoxide anion generation by dibutyryl cAMP. *J.J. Appl. Sci*, 5, 2003, 26-34.

Al-Essa L. Y., Al-Kubaisy K., The effects of Teucrium polium leaves on Hematological indices and some Biochemical Parameters in rats. *Bulletin of pharmaceutical sciences (Assiut University)*, 27,2004, 75-78.

Al-Douri N., **Al-Essa L. Y.**, A Survey of Plants Used in Iraqi Traditional Medicine, *Jordan Journal of Pharmaceutical Sciences*, 3, 2010, 100-108.

Al-Kubaisy K., **Al-Essa L. Y.**, Al-Jamain H., Shawagfeh M., Hematological and Biochemical Evaluation of Teucrium Polium in Albino Rats, *British Journal of Pharmacology and Toxicology*, 3, 2012, 123.

Al-Kubaisy K., **Al-Essa L. Y.**, Shawagfeh M., Al-groom R., Al-Jamain H., Hepatoprotective activity of Teucrium polium against CCl4 induced hepatotoxicity in male albino rats, *International Journal of Indigenous Medicinal Plants*, 46, 2013, 1206-1210.

Al-Kubaisy K., **Al-Essa L. Y.**, Shawagfeh, M., "Stimulation of hepatocytes repair by fruit juice of opuntia ficus indica in anti-cancer drug cyclophosphamide (CP)-induced liver toxicity in mice", *Annual Research and Review in Biology*, 10(1), 2016, 1-8 .

Hamadneh L., **Al-Essa L. Y.**, Hikmat S., Al-Qirim T., Abu Sheikha G., Al-Hiari Y., Azmy N., Shattat G., N-(3-Benzoylphenyl)-1H-Indole-2-Carboxamide decreases triglyceride levels by downregulation of Apoc3 gene expression in acute hyperlipidemic rat model, *Mol. Cell Biochem.*, 431, 2017, 133–138.

Jarrar Y. B., **Al-Essa L. Y.**, Kilani A., Hasan M., Al-Qerem W., Alterations in the gene expression of drug and arachidonic acid-metabolizing Cyp450 in the livers of controlled and uncontrolled insulin-dependent diabetic mice, *Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy*, 11, 2018, 483-492.

Ihsan Shabeeb, **Luay Al-Essa**, Majed Shtaiwi, Even Al-Shalabi, Eyad Younes, Rouzi Okasha, Mohammad Abu Sini. New hydrazide-hydrazone derivatives of 3-quinoline carboxylic acid hydrazide: synthesis, theoretical modeling and antibacterial evaluation, *Letters in Organic Chemistry*, 16(5), 2019, 430-436

Luay Al-Essa, Mohammad Hasan Abunaja, Lama Hamadneh, Mohammad Abu-Sini., Mapping the Intensive Care Unit Environment and Health Care Workers for Methicillin-Resistant Staphylococcus aureus with mecA Gene Confirmation and Antibacterial Resistance Pattern Identification in a District Hospital in Amman, Kuwait Medical Journal, Accepted for publication.