

CURRICULUM VITAE

HANAN HAMDY MAMAHMOUD HAGAR

Professor of Pharmacology

PERSONAL INFORMATION

Name: Hanan Hamdy Mahmoud Ebrahim Hagar.
Nationality: Egyptian.
Sex: Female.
Date of Birth: 1-9-1966.
Place of Birth: Zagazig, Egypt.
Marital Status: Married (with three children).
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Current Address: Department of Pharmacology (31)
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Current Position: Full Professor of Pharmacology
Pharmacology Unit
Medical College
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Additional Resources

My Research Gate: https://www.researchgate.net/profile/Hanan_Hagar

On PubMed: <https://www.ncbi.nlm.nih.gov/pubmed/?term=Hagar+H>

My Google Scholar: <https://scholar.google.com/citations?user=tzE5Rr4AAAAJ&hl=en>

On Scopus: [https://www.scopus.com/results/results.uri?sort=plf-](https://www.scopus.com/results/results.uri?sort=plf-f&src=s&st1=hagar&st2=&nlo=1&nlr=20&nls=&sid=5457FC1EB645E715AE39104DDF15B9E0.wsnAw8kcdt7IPYLO0V48gA%3a232&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Hagar%2c+Hanan+H.%22+6602074154%29&offset=14&origin=recordpage)

[f&src=s&st1=hagar&st2=&nlo=1&nlr=20&nls=&sid=5457FC1EB645E715AE39104DDF15B9E0.wsnAw8kcdt7IPYLO0V48gA%3a232&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Hagar%2c+Hanan+H.%22+6602074154%29&offset=14&origin=recordpage](https://www.scopus.com/results/results.uri?sort=plf-f&src=s&st1=hagar&st2=&nlo=1&nlr=20&nls=&sid=5457FC1EB645E715AE39104DDF15B9E0.wsnAw8kcdt7IPYLO0V48gA%3a232&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Hagar%2c+Hanan+H.%22+6602074154%29&offset=14&origin=recordpage)

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Europe PMC: <http://europepmc.org/search?query=hagar%20H>

ACADEMIC QUALIFICATIONS

- ❖ **B.Sc.** Pharmaceutical Sciences, Faculty of Pharmacy, Zagazig University, Zagazig, Egypt [Excellence with degree of honor, first of the class] (1988).
- ❖ **Master degree** in Pharmaceutical Sciences (Pharmacology and Toxicology), Faculty of Pharmacy, Zagazig University, Zagazig, Egypt (1992).
- ❖ **Ph.D.** in Pharmaceutical Sciences (Molecular Pharmacology), University of Arkansas for Medical Sciences, Arkansas, USA in collaboration with Zagazig University, Zagazig, Egypt (Channel system) (1997).

B.Sc. PHARMACEUTICAL SCIENCES:

COURSES:

Physics, Physical Chemistry, Organic Chemistry, Botany, General Pharmacognosy and Medicinal Plants, Inorganic Chemistry, Pharmaceutics, Analytical Chemistry, Anatomy, Histology, Physiology, Pharmacology. Biochemistry, Applied Pharmacognosy, Microbiology, Industrial Pharmacy, Bioassay of Drugs, Toxicology, Forensic, Biostatistics and First aids.

GRADES:

Preliminary year: very good

First year: Excellent (First of the class)

Second year: Excellent (First of the class)

Third year: Excellent (First of the class)

Fourth year: Excellent with honor (First of the class).

M. SC. THESIS

“Pharmacological studies on some possible interaction between lithium and captopril”.

Ph. D. THESIS

“Molecular studies on the mechanisms involved in renal tissue injury”.

ACADEMIC EXPERIENCES

- Demonstrator:** Pharmacology Department, Faculty of Pharmacy
Zagazig University, Zagazig, Egypt (1988 - 1992).
- Assistant Lecturer:** Pharmacology Department, Faculty of Pharmacy
Zagazig University, Zagazig, Egypt (1992 - 1993).
- Research Training:** Department of Nephrology, University of Arkansas
for Medical Sciences, Little Rock, Arkansas, USA (1994 - 1996).
- Assistant Professor:** Pharmacology Department, Faculty of Pharmacy
Zagazig University, Zagazig, Egypt (1997- 1999).
- Assistant Professor:** Pharmacology Department, College of Medicine
King Saud University, Saudi Arabia (2000).
- Associate Professor:** Pharmacology Department, Faculty of Pharmacy
Zagazig University, Zagazig, Egypt (2003).
- Associate Professor:** Pharmacology Department, College of Medicine
King Saud University, Saudi Arabia (2004).
- Professor:** Pharmacology Department, Faculty of Pharmacy
Zagazig University- Zagazig – Egypt (2008).
- Professor:** Pharmacology Department, Faculty of Medicine
King Saud University-Saudi Arabia (2009).

TEACHING EXPERIENCES

A) UNDERGRADUATE COURSES

- ✚ Teaching pharmacology for third year students, Faculty of Pharmacy, Zagazig University, Zagazig, Egypt.
- ✚ Teaching toxicology and bioassay for fourth year students, Faculty of Pharmacy, Zagazig University, Zagazig, Egypt.
- ✚ Physiology courses for first year students, Faculty of Pharmacy, Zagazig University, Zagazig, Egypt.
- ✚ Pharmacology courses for second and third year students (old system), Faculty of Medicine, King Saud University, Kingdom of Saudi Arabia
 - PHL-231 course
 - PHL-232 course
 - PHL 301 course
- ✚ Pharmacology courses for first and second year students (**Problem Based Learning System**), Faculty of Medicine, King Saud University, Kingdom of Saudi Arabia
 - **First year blocks:** Foundation block, Respiratory block, Renal block, Cardiovascular block, Musculoskeletal block.
 - **Second year blocks:** Endocrine block, CNS block, GIT block, Reproduction block.
 - Small group sessions.
- ✚ Pharmacology course (PHL-451) for second year students, Faculty of Pharmacy, King Saud University, Kingdom of Saudi Arabia.
- ✚ Pharmacology course (PHL-210) for second year students, Faculty of Dentistry, King Saud University, Kingdom of Saudi Arabia.
- ✚ Pharmacology course (PHL-411) for fifth year students, Faculty of Dentistry, King Saud University, Kingdom of Saudi Arabia.

- ✚ Pharmacology course (PHL-366) for second year students, College of Allied Medical Sciences, Departments of Nursing, Occupational Therapy and Physical Therapy, King Saud University, Kingdom of Saudi Arabia.
- ✚ Pharmacology course (DEH-345) for second year students, College of Allied Medical Sciences, Dental Hygiene Department, King Saud University, Kingdom of Saudi Arabia.
- ✚ Pharmacology courses for first year students, College of Medicine, Prince Nora University, Kingdom of Saudi Arabia
 - **First year blocks:** Foundation block, Respiratory block, Renal block, Cardiovascular block, Musculoskeletal block.
 - Small group sessions.
- ✚ Course organizer for the following courses
 - PHL -210, Faculty of Dentistry, King Saud University, Kingdom of Saudi Arabia.
 - PHL – 411, Faculty of Dentistry, King Saud University, Kingdom of Saudi Arabia.
 - PHL-366, College of Allied Medical Sciences, Departments of Nursing, Occupational Therapy and Physical Therapy, King Saud University, Kingdom of Saudi Arabia.
 - DEH-345, College of Allied Medical Sciences, Dental Hygiene Department, King Saud University, Kingdom of Saudi Arabia.

B) POSTGRADUATE COURSES

- ✚ Pharmacology course (PHL-518) for postgraduate students, College of Pharmacy, King Saud University, Kingdom of Saudi Arabia.
- ✚ Pharmacology course (PHL-600) for postgraduate students, College of Pharmacy, King Saud University, Kingdom of Saudi Arabia.

C) SUPERVISION OF MASTER THESIS

- 1) **M.Sc. thesis entitled** “Effects of curcumin and valsartan on lead-induced hypertension and nephrotoxicity”. Faculty of Pharmacy, King Saud University, Kingdom of Saudi Arabia (**2002-2004**) (**Main supervisor**).
- 2) **M.Sc. thesis entitled** "Effects of advanced glycation end products inhibitors and/or statins on the progression of diabetic nephropathy in rats". Faculty of Pharmacy, King Saud University, Kingdom of Saudi Arabia (**2004-2006**) (**Main supervisor**).

RESEARCH EXPERIENCES AND INTERESTS

- 1) My research is mainly focused on the implication of reactive oxygen metabolites and the contribution of oxidative stress and nitrogen stress to organ damage. I studied the role of oxidative tissue injury in various experimental models induced by several insults as ischemia/reperfusion injury to kidney and stomach. We also investigated the ability of drugs as immunosuppressant, cyclosporine and antineoplastic, bleomycin to produce free radicals and the mechanistic issues contributing to the side effects of these medications.
- 2) The benefit of natural and synthetic antioxidants and/or reactive oxygen scavengers are addressed as new modalities to improve the outcome of some diseases where reactive oxygen species may be implicated in an attempt to develop new drugs that can arrest the devastating effects of these diseases. I studied the effect of some antioxidants and AGE inhibitors on the progression of diabetic nephropathy in experimental rat diabetic model. I also addressed the ability of some anti-inflammatory drugs to combat oxidative injury in diseases as experimental ulcerative colitis and liver fibrosis.
- 3) Recently, I have interest in the crosstalk between reactive oxygen metabolites as triggers to many signal transduction pathways as nuclear factor kappa, matrix metalloproteinase and tissue inhibitor of metalloproteinases. The contribution of these signal transduction pathways to renal

diseases mainly experimental glomerulosclerosis is the focus of my current project. This project is funded by King Abdul-Aziz City for Science and Technology (KACST). In this projects, we are studied the role of matrix metalloproteinase inhibitors in focal segmental glomerulosclerosis using experimental rat model.

- 4) I am also interested in the implication of advanced glycation end products and diabetic nephropathy and the effect of AGE inhibitors and breakers as aminoguanidine, pyridoxamine and metformin.

LABORATORY EXPERIENCES

1) Biochemical Measurements and Techniques

- ✚ Measurement of arterial blood pressure by direct invasive method (cannulation of carotid artery).
- ✚ Measurement of arterial blood pressure by indirect way (Tail cuff method).
- ✚ Determination of catecholamines and adenosine triphosphate (ATP).
- ✚ Cannulation of different blood vessels in experimental animals.
- ✚ Experience with tissue cultures.
- ✚ Isolation of DNA and RNA from tissues and cultured cells.
- ✚ Determination of DNA damage using agarose gel electrophoresis in cultured cells.
- ✚ Western blot analysis.
- ✚ Determination of endonuclease activity using SDS- polyacrylamide gel.
- ✚ Measurement of cell death (LDH assay and trypan blue exclusion assay).
- ✚ Determination of antioxidant enzymes (reduced glutathione, catalase, and superoxide dismutase).
- ✚ Measurement of lipid peroxidation marker (malondialdehyde).
- ✚ Gelatin zymography technique.
- ✚ ELISA assay for inflammatory markers as TNF- α , Interleukins, TIMP-1 and MMP-2& 9.

2) Induction of Experimental Models

- Renal hypertension (two kidney, one clip & one kidney, one clip renal hypertensive rats).
- Ischemic acute renal failure.
- Global stroke in rats.
- Ulcerative colitis in rats.
- Diabetes using streptozotocin in rats.

PROJECTS AND FINANCIAL SUPPORT

A) AS PRINCIPAL INVESTIGATOR:

1) Project title: Effect of taurine against cyclosporine-induced hypertension and nephrotoxicity. **Research Center at Women Students-Medical Studies & Sciences Sections, King Saud University (1425H).**

2) Project title: Modulation of leukocyte activation, platelet aggregation, and endothelial function by insulin-like growth factor-1 and statins in cerebral ischemia / reperfusion injury in diabetic rats. **King Abdul Aziz City for Science and Technology (KACST), Saudi Arabia (Project no: MS-8-58) (1425 H).**

3) Project title: Effect of taming tumor necrosis factor- α (TNF- α) by selective phosphodiesterase IV inhibitors on nuclear factor (NF-kB), matrix metalloproteinases and extracellular matrix in renal ischemia / reperfusion injury in rats. **King Abdul Aziz City for Science and Technology (KACST), Saudi Arabia (Project no: large project -24-43), (1426 H).**

4) Project title: Effect of blocking cysteinyl leukotriene receptors on lipopolysaccharide-induced multiple organ dysfunctions in rats. **Research Center at Women Students-Medical Studies & Sciences Sections, King Saud University (1427 H).**

5) Project title: The role of resveratrol in oxidative stress and nephrotoxicity- induced by cisplatin in rats. **Research Center at College of Medicine, King Saud University (Project no: 08-648) (1429 H).**

6) Project title: Effects of betaine supplementation on cisplatin-induced nephrotoxicity and hepatotoxicity in experimental animals: contribution of nuclear factor kappa and caspase-3. **Research Center at College of Medicine, King Saud University (Project no: 09-710) (1431 H-1434 H).**

7) Project title: Effect of betaine supplementation on oxidative stress and renal dysfunction induced by cadmium intoxication in experimental rats. **SABIC Projects (1431 H- 1434 H)**

8) Project title: Effects of matrix metalloproteinase inhibitors on focal segmental glomerulosclerosis in experimental animals. **King Abdul Aziz City for Science and Technology (KACST), Saudi Arabia (Project no: minor project - 34-129), (1436 H).**

B) AS CO-INVESTIGATOR

9) Project title: Do advanced glycation end products inhibitors protect against experimentally induced liver fibrosis? **Research Center at College of Medicine, King Saud University (1428 H) (Project no: 07-572).**

10) Project title: The protective effects of imipramine and fluvoxamine on ulcerative colitis induced Experimentally in rats. **Research Center at College of Medicine, King Saud University (1428 H).**

11) Project title: The role of agmatine in stomach injury induced by ischemia/reperfusion. **Research Center at Women Students-Medical Studies & Sciences Sections (Project no: 07-574) (1429 H).**

12) Project title: Comparative study between angiotensin converting enzyme inhibitors and angiotensin receptor blockers in ulcerative colitis induced experimentally in rats. **Research Center at College of Medicine, King Saud University (Project no: 08-634) (1428 H).**

13) Project title: A study of the therapeutic effects of curcumin on cancer colon. **Research Center at College of Medicine, King Saud University, (Project no: 09-709) (1431 H).**

14) Clinical and histopathological findings of dual disease of FSGS and IgA nephropathy in murine models. College of Medicine, King Saud University Medical College, and Ha'al University, Saudi Arabia **(1437 H).**

2-Is DDD a variant of acute post-infectious glomerulonephritis seen in patients with abnormalities of the alternative pathway? College of Medicine, King Saud University, Riyadh and Medical College, Ha'al University, Saudi Arabia **(1437 H).**

C) GRADUATE STUDENT PROJECTS

15) Effects of curcumin and valsartan on lead-induced hypertension and nephrotoxicity". King Abdul Aziz City for Science and Technology (KACST).

16) Effects of advanced glycation end products inhibitors and/or statins on the progression of diabetic nephropathy in rats". King Abdul Aziz City for Science and Technology (KACST) and AstraZeneca company.

D) UNDERGRADUATE STUDENT PROJECTS

17) Effects of some antioxidants alone and in combination with anti-inflammatory drugs on acute pancreatitis. **Fully funded by Undergraduate Students Research Support Program (USRSP), 1437-1438 H.**

18) Effect of Matrix Metalloproteinase Inhibitors on Lipopolysaccharide-induced Liver Injury in Rats. **Funded for publication by Undergraduate Students Research Support Program (USRSP), 1437-1438 H.**

E) COLLABORATION WITH PHARMACEUTICAL COMPANIES

1) TAKEDA CHEMICAL INDUSTRIES LTD.

Pharmaceutical Research Division
Research Management Department
2-17-85 Juso-Honmachi, Yodogawa-ku, Osaka 532-8686 Japan (provided us with thromboxane antagonist, seratodast).

2) ASTRAZENECA UK LIMITED

Research Management Department
1F32, Mereside, Alderley Park, Macclesfield, Cheshire, SK10 4TG (provided us with rosuvastatin).

3) KIRIN BREWAY COMPANY, LTD, TOKYO, JAPAN

Pharmaceutical Research Division
Research Management Department (provided us with potassium channel opener, KRN-4884).

MEMBERSHIP IN SOCIETIES AND COMMITTEES

A membership of the following societies:

1. The Egyptian Society of Toxicology.
2. The Egyptian Pharmaceutical Society.
3. The Egyptian Society of Pharmacology and Experimental Therapeutics.
4. The Egyptian Pharmacists Association.
5. The Saudi Pharmaceutical Association.
6. The Scientific Egyptian Society for protection against environmental Pollution.

COMMITTEE

1. General Examination Committee for Medical College for boys and girls
2. Examination Committee for Medical College for Girls
3. Research Committee for Medical College for Girls
4. A member of Gastroenterology & Hematology block committee.
5. Pharmacology Examination committee in Pharmacology unit.

PRIZES AND SCHOLARSHIPS

1. Egyptian Pharmaceutical Association Award for Excellent Graduate (**1988**).
2. A scholarship from Ministry of Higher Education for collecting data and research training during PhD at University of Arkansas for Medical Sciences, Little Rock, Arkansas, USA (**1994-1996**).
3. A winner of "**Distinguished free paper award**" in (APDW 2005) Asian Pacific Digestive Week 2005 COEX Center, Seoul, Korea (**25-28/9/2005**).
4. The "**The best poster**" in 7th International Saudi Pharmaceutical Conference, Alfaisaliah Hotel, Riyadh, Kingdom of Saudi Arabia (**19-21, March, 2007**).
5. Election as one of the best teachers in Medical College, King Saud University, Saudi Arabia depending upon the student evaluation and Deanship of Quality (**1430 – 1435 H**).
6. Inclusion in the 2009-2010 Edition of "**Who's Who in Medicine and Healthcare**".
7. Abstract entitled "ATTENUATION OF RENAL ISCHEMIA/REPERFUSION INJURY BY SELECTIVE PHOSPHODIESTERASE IV INHIBITORS IN RATS: POSSIBLE ROLES OF NUCLEAR FACTOR-KAPPA AND MATRIX METALLOPROTEINASES *TOP* was accepted among "**The top 20 abstracts in World Congress of Nephrology**", may 22-26, Milan, Italy (*NDT Plus* (2009) 2 (suppl 2): ii97-.doi: 10.1093.

8. Inclusion in the American biographical works **“Great Minds of the 21st Century”**, 2010 England

REVIEWER FOR INTERNATIONAL JOURNALS

i. A MEMBER OF THE EDITORIAL BOARD OF

- ✚ Saudi Pharmaceutical Journal (2009-2014, KSA).
- ✚ Dataset Papers of Pharmacology, Hindawi Publishing Corporation.
- ✚ SciTz Medical and Clinical Toxicology, USA
- ✚ Journal of Nutrition & Food Sciences, USA.
- ✚ JSM Renal Medicine, USA
- ✚ SRL Nephrology & Therapeutics, USA.
- ✚ The Open Access Journal of Science and Technology

ii. INVITED REVIEWER FOR THE FOLLOWING JOURNALS

- ✚ Acta Pharmacologica Sinica (**China**)
- ✚ Cell Biology International (**UK**).
- ✚ Clinica Chimica Acta (**Netherlands**).
- ✚ Digestive Diseases and Sciences (**Netherlands**).
- ✚ Journal of Pharmacy and Pharmacology (**UK**).
- ✚ Pesticide Biochemistry and Physiology (**Netherlands**).
- ✚ Saudi Pharmaceutical Journal (**Saudi Arabia**).
- ✚ Cell & Tissue Transplantation & Therapy (**New-Zealand**).
- ✚ Urological Research (**UK**).
- ✚ J of Experimental Plant Research
- ✚ Toxicology
- ✚ Journal of Physiology and Pathophysiology
- ✚ African Journal of Food Science

TRAINING WORKSHOP

Attendance of the following training workshops entitled:

- ✚ **Handling of animals**, animal house of University of Arkansas for Medical Sciences, Little Rock, Arkansas (1996).
- ✚ **Molecular Genetics (DNA hybridization)**, Faculty of Science, Ain Shams University, Cairo, Egypt (24 -29 Oct. 1998).
- ✚ **Skills of instructional methods**, College of Medicine, King Saud University, Riyadh, Kingdom of Saudi Arabia (6 Oct. 2002).
- ✚ **Assessments**, College of Medicine, King Saud University, Riyadh, Kingdom of Saudi Arabia (27 Oct., 2002).
- ✚ **New Methods in Teaching**, College of Pharmacy, Zagazig University, Egypt, (2005).
- ✚ **Skills of Management**, College of Pharmacy, Zagazig University, Egypt (2005).
- ✚ **Professional Ethics**, College of Pharmacy, Zagazig University, Egypt (2005).
- ✚ **Problem analysis and decision making**, College of Pharmacy, Zagazig University, Egypt, (2005).
- ✚ **How to write and publish scientific articles**, College of Pharmacy, Zagazig University, Egypt (2006)
- ✚ **Management of Time**, College of Pharmacy, Zagazig University, Egypt (2006).
- ✚ **Patent Filling Pathway**, Center at Women Students-Medical Studies & Sciences Sections (18-19 November, 2011).
- ✚ **Constructing problem-based learning cases; Hands on training workshop**, Dept of Medical Education, Medical College, King Saud University (2010).
- ✚ **Construction of Multiple choice questions: Hands on training workshop**, Dept of Medical Education, Medical College, King Saud University (21 September 2011).

- ✦ **How to come a good facilitator workshop**, Dept of Medical Education, Medical College, King Saud University (November, 2011).
- ✦ **Publications in International Journal. Conducted by Richard M. Satava, MD FACS**, Professor of Surgery, University of Washington held in by Medical Education Unit, College of Medicine, King Saud University, KSA (6 December, 2014).
- ✦ **PBL Unit construction& problem design workshop** Conducted by Prof Diana Dolmas and Dr Ineke Wolfhagen, Dept of Educational Development& Research, School of Health Professions Education, Maastricht University, Netherlands held in by Medical Education Unit, College of Medicine, King Saud University, KSA (23 February 2014-04-13).
- ✦ **Statement of Intended Learning Outcomes (ILOs) Hands-on Training Workshop**, conducted by Dr. Nehal Khamis, Dr. Majda Saeed, The Faculty Development Unit, Medical Education Department, King Saud University, KSA (07 April 2014).
- ✦ **Curriculum Development Hands on training workshop conducted by Prof. David Kern**, Director of Curriculum Development Programs, School of Medicine, Johns Hopkins University, USA, held in by Medical Education Unit, College of Medicine, King Saud University, KSA (31 March -1 April, 2014).
- ✦ **Overview of Student Assessment and Blueprinting**, Conducted By: Dr. Hamza Abdulghani And Dr. Mahmoud Salah, Assessment Evaluation Unit, Medical Education Department, College of Medicine, King Saud University (April 2014).
- ✦ **Workshop entitled " How to Write Course Report And Course Specifications Using NCAAA Templates"**, conducted by Dr. Nehal Khamis, The Faculty Development Unit, Medical Education Department, College of Medicine, King Saud University (27-28 April, 2015).
- ✦ **“Brainstorming workshop in research”**, conducted by Female Scientific and Medical Colleges, Medical College, King Saud University, 22 December, 2016.

CONFERENCES

ATTENDANCE:

- 1) The 2nd annual meeting of College of Pharmacy, Zagazig University, Zagazig, Egypt (**3 October 1992**).
- 2) The 28th annual meeting of the American Society of Nephrology, San Diego, California, USA (5-8 November 1995). American Society of Nephrology 28th annual meeting. November 5-8, 1995. Abstracts. (<https://www.ncbi.nlm.nih.gov/pubmed/7579100>).
- 3) The 29th annual meeting of the American Society of Nephrology, New Orleans, Louisiana, USA (**3-6 November 1996**). Abstracts. JASN Sep 1, 1996 7: 1249-2024. (<https://www.ncbi.nlm.nih.gov/pubmed/8962418>)
- 4) The meeting of the Egyptian Society of Toxicology, College of Pharmacy, Al Azhar University, Cairo, Egypt (**1-3 April 1998**).
- 5) The meeting of Egyptian Society of Pharmacology and Experimental Therapeutics, Cairo, Egypt (**1 October 1998**).
- 6) The international meeting of the Egyptian Society of Clinical Chemistry, Marriot Hotel, Cairo, Egypt (**5-7 December 1998**).
- 7) The meeting of the Egyptian Pharmaceutical Society, Meridian Hotel, Cairo, Egypt (**8 -10 December 1998**).
- 8) The 13th annual meeting of Saudi Heart Association, Riyadh Intercontinental Hotel, Riyadh, Saudi Arabia (**22-24 January 2002**).

- 9) 9th International Pharmaceutical Sciences, Riyadh, Kingdom of Saudi Arabia **(17-21, December, 2006).**
- 10) 7th International Saudi Pharmaceutical Conference, Alfaisaliah Hotel, Riyadh, Kingdom of Saudi Arabia **(19-21, March, 2007).**
- 11) 1st RMH International Pharmacy Conference, Riyadh, Kingdom of Saudi Arabia **(28-30, April, 2008).**
- 12) 1st International Conference in Biotechnology. Center of excellence in biotechnology research. King Fahad Cultural center, Riyadh, Kingdom of Saudi Arabia **(16-18, February, 2009).**
- 13) The International Conference for Nanotechnology Industries. The leading Technology of 21st Century. King Abdullah Institute for Nanotechnology. King Fahad Cultural Center, Riyadh, Kingdom of Saudi Arabia **(5-7, April, 2009).**
- 14) 4th Annual International conference of Saudi Society of Nephrology. King Fahad Cultural Center, Riyadh, Kingdom of Saudi Arabia **(26-29, April, 2009).**
- 15) 2nd International conference on Drug Discovery and Therapy, Dubai's Men College, Dubai, United Arab Emirates, **(1-4, February, 2010).**
- 16) International Conference on Pharmacy and Pharmaceutical Sciences 2012, Singapore **(12-13 September, 2012).**
- 17) 2nd International summit on Toxicology, Hampton Inn Tropicana, Las Vegas, USA **(7-9 October, 2013).**
- 18) 3rd Pharma-nutrition 2015 conference, Hilton Hotel, Philadelphia, USA, **(13-15 April, 2015).**

LIST OF PAPERS PRESENTED AT THE INTERNATIONAL CONFERENCES

- 1) Endonuclease induced DNA damage and cell death in chemical hypoxic injury to LLC-PK1 cells.** 28th annual meeting of the American society of Nephrology, San Diego-California (5-7 / 11 / 1995).
- 2) Role of tyrosine phosphorylation in hypoxic injury hypoxic injury to LLC-PK1 cells.** 29 the annual meeting of the American society of Nephrology, New Orleans, Louisiana, USA (3-6 November 1996).
- 3) Effect of melatonin on gentamycin- induced oxidative stress and nephrotoxicity.** The 26th annual meeting of the Egyptian pharmaceutical sciences, Meridian Hotel. Cairo, Egypt (8-10 / 12 / 1998).
- 4) Folic acid and vitamin B12 supplementation attenuates isoprenaline-induced myocardial infarction in experimental hyperhomocysteinemic rats.** The 13th scientific session of the Saudi Heart Association, Riyadh Intercontinental Hotel, Riyadh, Kingdom of Saudi Arabia (22-24, 1/2002).
- 5) Evaluating the prophylactic potential of zafirlurkast against the toxic effects of acetic acid on the rat colon.** 7th Saudi Gastroenterology Association Meeting, King Fahad Hospital, Riyadh, Kingdom of Saudi Arabia (1-3 /10 / 2002).
- 6) The in vivo and in vitro anti-oxidant activity of ghrelin: Attenuation of gastric ischemic injury in the rat.** (APDW 2005) Asian Pacific Digestive Week 2005 COEX Center, Seoul, Korea (25-28/9/2005).
- 7) Taurine attenuates hypertension and renal dysfunction induced by cyclosporine A in rats.** 9th International Pharmaceutical Sciences, Riyadh, Kingdom of Saudi Arabia (17-21, December, 2006).

- 8) **Attenuation of bleomycin-induced lung fibrosis in rats by mesna.** 9th International Pharmaceutical Sciences, Riyadh, Kingdom of Saudi Arabia (17-21, December, 2005).
- 9) **Effect of pyrrolidine dithiocarbamate on experimental colitis in rats.** 9th International Pharmaceutical Sciences, Riyadh, Kingdom of Saudi Arabia (17-21, December, 2005).
- 10) **Leukotriene receptor blocker, zafirlukast attenuates lipopolysaccharide-induced multiple organ dysfunction in rats.** 7th International Saudi Pharmaceutical Conference, Alfaisaliah Hotel, Riyadh, Kingdom of Saudi Arabia (19-21, March, 2007).
- 11) **Attenuation of thioacetamide-induced liver fibrosis by aminoguanidine.** 7th International Saudi Pharmaceutical Conference, Alfaisaliah Hotel, Riyadh, Kingdom of Saudi Arabia (19-21, March, 2007).
- 12) **Effect of zafirlukast on renal ischemia/reperfusion injury in rats.** 1st RMH International Pharmacy Conference, Riyadh, Kingdom of Saudi Arabia (28-30, April, 2008).
- 13) **Attenuation of renal ischemia/reperfusion injury by selective phosphodiesterase IV inhibitors in rats: possible roles of nuclear factor kappa and matrix metalloproteinases.** 4th Annual International conference of Saudi Society of Nephrology. King Fahad Cultural Center, Riyadh, Kingdom of Saudi Arabia (26-29, April, 2009).
- 14) **Effect of selective phosphodiesterase IV inhibitors on inflammatory cytokines, nuclear factor kappa and renal function in renal ischemia/reperfusion injury in rats.** 2nd International conference on Drug Discovery and Therapy, Dubai's Men College, Dubai, United Arab Emirates, (1-4, February, 2010).
- 15) **Taming tumor necrosis factor- α by rolipram attenuates acute renal injury induced by ischemia/reperfusion in rats: implication of extracellular activated kinase-1/2 (ERK $\frac{1}{2}$), nuclear factor kappa and matrix metalloproteinases (MMP-2& MMP-9).** International

Conference on Pharmacy and Pharmaceutical Sciences 2012, Singapore (12-13 September, 2012).

16) Effect of betaine supplementation on cisplatin-induced nephrotoxicity in experimental animals: contribution of Nuclear factor Kappa and Caspase-3. 2nd International summit on Toxicology, Hampton Inn Tropicana, Las Vegas, USA (October 7-9, 2013).

17) Trimethylglycine accentuates cisplatin-induced hepatotoxicity by suppressing oxidative stress and inflammation and down-regulation of nuclear factor kappa and caspase-3 in rats. 3rd Pharma-nutrition 2015 conference, Hilton Hotel, Philadelphia, USA, (13-15 April, 2015).

18) The renoprotective effects of rosuvastatin in streptozotocin-induced diabetes in rats via lipid lowering action, pleiotropic effects, attenuation of oxidative stress and down regulation of advanced glycation end products expression. 20th International Conference of FFC - 8th International Symposium of ASFFBC. Functional and Medical Foods for Chronic Diseases. Science and Practice. , The Joseph B. Martin Conference Center at Harvard Medical School, Boston, USA (September 22-23, 2016).

19) Effects of rosuvastatin on the progression of diabetic nephropathy in streptozotocin-induced diabetic rats. 9th Dialectologist's Conference, Dallas, Texas, USA (June 06-08, 2016).

SCIENTIFIC SYMPOSIUMS

Attendance of the following symposiums:

☞ Drugs, the case and the solution. Faculty of Pharmacy, Zagazig University, Zagazig, Egypt.

☞ Aids. Faculty of Pharmacy, Zagazig University, Zagazig, Egypt (21/10/1997).

☞ Endothelium and the endothelium-derived relaxing factors. Faculty of pharmacy, Zagazig University, Zagazig, Egypt, (March 1998).

- ✚ **Recent advances in the treatment of diabetes.** Sharkeia club, Zagazig, Egypt (17/3/1999).
- ✚ **Return to Nature.** College of Pharmacy, Zagazig University, Zagazig, Egypt- (20/3/1999).
- ✚ **Drugs education.** College of Medicine, King Khalid University Hospital, Riyadh, Kingdom of Saudi Arabia (17-27/10/2000).
- ✚ **Heart health.** College of Medicine, King Khalid University, Riyadh, Kingdom of Saudi Arabia (11-16/11/2000).
- ✚ **Natural products, Advantages and disadvantages.** Medical Studies and Science Departments for Girls, Riyadh, Kingdom of Saudi Arabia (26-28/9/2001).
- ✚ **International symposium about Islamic Youths,** King Abd. El. Aziz Library, Riyadh, Kingdom of Saudi Arabia (17-20/3/2002).
- ✚ **International Day of Diabetes.** King Abd-El-Aziz Hospital, Riyadh, Kingdom of Saudi Arabia (10-11/11/2001).
- ✚ **Islamic and Civilizations Conversations.** King Abd-El-Aziz Library, Riyadh, Kingdom of Saudi Arabia (17-20/3/2002).
- ✚ **The 7th symposium for Medical Studies and Sciences Departments for Girls-Recent techniques and its effect on human being and the environments.** Riyadh, Kingdom of Saudi Arabia (1-3/4/2002).
- ✚ **International symposium in university technology transfer & innovation management (patent. IP).** Riyadh, Kingdom of Saudi Arabia (23-24/11/2008).
- ✚ **Scientific Societies in Saudi Universities meeting.** Riyadh, Kingdom of Saudi Arabia (14-15/4/2009).
- ✚ **Horizon 2030. King Abdul-Aziz City for Science and Technology.** Riyadh, Kingdom of Saudi Arabia (21/11/2016).
- ✚ **Genes and Diseases. King Abdul-Aziz City for Science and Technology.** Riyadh, Kingdom of Saudi Arabia (24/11/2016).
- ✚ **Intellectual Property & Technology Licensing Program,** King Saud University, College of Science, Riyadh, Kingdom of Saudi Arabia (27/11/2016).

LECTURES:**Attendance of the following lectures**

- ✚ **“The nation future and the need for scientific advances”** for Dr. Ahmed Zeuil-Intercontinental, Riyadh, Kingdom of Saudi Arabia (15/10/2000).
- ✚ **“Educational and social changes in Youth”**. King Abd-El-Aziz Library, Riyadh, Kingdom of Saudi Arabia (12/2/2001).
- ✚ **“Radiation around us”**. Medical studies and sciences Departments for girls. Riyadh, Kingdom of Saudi Arabia (17/2/2001).
- ✚ **“Synthesis of C-glycosides based therapeutics”**. By Prof. Robert Lynhart-Medical studies and sciences departments, Riyadh, Kingdom of Saudi Arabia (17/2/2002).
- ✚ **“Standardization of examination”**. By Prof Sultan Faroukey the head of Pakistan Medical College King Khalid Hospital, Riyadh, Kingdom of Saudi Arabia (11/11/2001).
- ✚ **“Osteoporosis and dental health”**. Dental College, Kingdom of Saudi Arabia (10/4/2002).
- ✚ **“Bringing out the best in medicine”**. By Prof Tore K Kvien, the head of Department of Rheumatology, University of Oslo, Norway, College of Medicine, King Khalid Hospital, Riyadh, Kingdom of Saudi Arabia (11/11/2001).
- ✚ **Establishment of embryonic stem cells and its use**. Medical Studies and Science Departments for Girls, Riyadh, Kingdom of Saudi Arabia (11/3/2007).
- ✚ **"Nano Technology"** Medical Studies and Science Departments for Girls, Riyadh, Kingdom of Saudi Arabia (2008).

PUBLICATION

- 1- Rasha H. Abdel-Ghany, Mohamed N. Zakareia, Salah A. Ghareib and Hanan Hagar: Does lithium modulate the antihypertensive action of captopril in renal hypertensive rats ? *Egypt. J. AppL. Sci.* 7 (3) : 370-380, 1992.

- 2- Mohamed N. Zakareia Rasha H. Abdel-Ghany; Salah A. Ghareib and **Hanan Hagar**: Effect of lithium, captopril and their combination on blood pressure of normotensive rats: A contribution to the mechanism of action of lithium on blood pressure. *Egypt. J. Appl. Sci.* 7 (3): 381-394, 1992.
- 3- **Hanan H. Hagar**, Norishi Ueda, and Sudhir V. Shah: Endonuclease induced DNA damage and cell death in chemical hypoxic injury to LLC-PK1 cells. *Kidney International*, 49: 355-361, 1996.
- 4- **Hanan H. Hagar**, Norishi Ueda and Sudhir V. Shah: Role of reactive oxygen metabolites in DNA damage and cell death in chemical hypoxic injury to LLC-PK1 cells. *Am. J. Physiol.* 271: F209-F215, 1996.
- 5- **Hanan H. Hagar**, Norishi Ueda and Sudhir V. Shah: Tyrosine phosphorylation in DNA damage and cell death in hypoxic injury to LLC-PK1 cells. *Kidney International*, 51: 1747-1753, 1997.
- 6- Ahmed F. Ahmed, Mohamed N. Zakeria, Nabila N. El-Maraghy and **Hanan H. Hagar**: The implication of reactive oxygen metabolites in renal tissue injury: antioxidants modulate programmed cell death (apoptosis) induced by chemical hypoxia in renal tubular epithelial cells. *Bull. Fac. Pharm. Cairo University*, 34(1): 59-63, 1996.
- 7- **Hanan H. Hagar**, Sahar E. El-Sweify, S. and Atef S. Gharabawy: Protective effect of melatonin against gentamycin-induced oxidative stress and nephrotoxicity. *The New Egyptian Journal of Medicine*. 19 (5): 271-278, 1999
- 8- Hoda, E. Mohamed and **Hanan H. Hagar**: Renal ischemia-reperfusion injury: Contribution of nitric oxide and reactive oxygen species. *The New Egyptian Journal of Medicine*. 20 (3): 147-154, 1999.
- 9- Hoda, E. Mohamed, Sahar E. El-Sweify, and **Hanan H. Hagar**: The protective effect of glutathione administration on adriamycin-induced acute cardiac toxicity in rats. *Pharmacological Research*. 42 (2): 115-121, 2000.
- 10- **Hanan H. Hagar**, Mervat Asskar and Atef S. Gharabawy: Effect of melatonin on acetaminophen-induced oxidative stress and hepatotoxicity. *Zagazig University Medical Journal*, 6 (6): 451-466, 2000.

- 11- Ebtisam A. Ahmed and **Hanan H. Hagar**: Endothelial dysfunction in ovariectomized rats: Role of estrogen on nitric oxide and angiotensin converting enzyme. *Zagazig University Medical Journal*, 6 (7): 177-199, 2000.
- 12- **Hanan H. Hagar** and Azza H. Fahmy: A biochemical, histochemical and ultrastructural evaluation of the effect of dimethoate intoxication on rat pancreas. *Toxicology letters*, 133 (2-3): 161-170, 2002.
- 13- **Hanan H. Hagar**: Folic acid and vitamin B12 supplementation attenuates isoprenaline-induced myocardial infarction in experimental hyperhomocysteinemic rats. *Pharmacological Research*, 46 (3): 213 - 219, 2002.
- 14- Azza H. El Medany and **Hanan H. Hagar**: Effect of fluconazole on the fertility of male rabbits. *Arzneimittel-Forschung / Drug Research*, 52 (8): 636-640, 2002.
- 15- Afaf M. Maghoub, Azza H. El Medany, **Hanan H. Hagar** and Dorea M. Sabah: Protective effect of natural honey against acetic acid- induced colitis in rats. *Tropical Gastroenterology*, 23: 82- 87, 2002.
- 16- Afaf M. Maghoub, Azza H. El Medany, **Hanan H. Hagar**, Ali A Mustafa and Dorea M. Sabah: Evaluating the prophylactic potential of zafirlurkast against the toxic effects of acetic acid on the rat colon. *Toxicology Letters* 14: 79 – 87, 2003.
- 17- Azza H. El Medany, **Hanan H. Hagar**, Faten A.Zakaria: Cardioprotective effects of ATP sensitive potassium channel opener, nicorandil and the long acting potassium channel opener KRN 4884 in ischemic reperfused isolated rabbit's heart. *Saudi Pharmaceutical Journal*, 11 (3): 77 – 86, 2003.
- 18- **Hanan H. Hagar**: The protective effect of taurine against cyclosporine A- induced oxidative stress and hepatotoxicity in rats. *Toxicology Letters*, 151: 335-343, 2004.
- 19- Azza El-Medany , **Hanan H Hagar**, Mahmoud Moursi, Raeesa A.Muhammed, Fatma El-Rakhawy, Gamila El-Medany. Attenuation of bleomycin- induced lung fibrosis in rats by mesna. *Eur J Pharmacol* 9: 61-70, 2005.
- 20- Eman El Eter, **Hanan H Hagar**, Ali Al-Tuwaijiri, Maha Araf. NF- κ B inhibition by pyrrolidine dithiocarbamate attenuates gastric ischemia/ reperfusion injury in rats. *Can J Physiol & Pharmacol* 83: 483-492, 2005.

- 21- **Hanan H Hagar**, Eman El Etter, and Maha Arafa. Taurine attenuates hypertension and renal dysfunction induced by cyclosporine in rats. *Clinical and Experimental Physiol and Pharmacol* 33: 189-196, 2006.
- 22- Ali Mustafa, Azza El-Medany, **Hanan H Hagar**, Gamila El-Medany. Ginkgo biloba attenuates mucosal damage in a rat model of ulcerative colitis. *Pharmacol Res* 53: 324-330, 2006.
- 23- Eman El Eter, Ali Al-Tuwaijiri, **Hanan H Hagar**, Maha Araf. The in vivo and in vitro anti-oxidant activity of ghrelin: Attenuation of gastric ischemic injury in the rat. *J Gastroenterology and Hepatology*, 22(11): 1791-1799, 2007.
- 24- **Hanan H Hagar**, Azza El-Medany, Eman El Eter, and Maha Araf. Ameliorative effect of pyrrolidine dithiocarbamate on acetic acid-induced colitis in rats. *Eur J of Pharmacol* 554: 69-77, 2007.
- 25- **Hanan H Hagar**. Cysteinyl Leukotriene receptor blocker, zafirlukast ameliorates lipopolysaccharide-induced multiple organ dysfunction in rats. *Saudi Pharmaceutical Journal*. 16(2): 89-102, 2008.
- 26- **Hanan H Hagar**. An insight into the possible protective effect of pyrrolidine dithiocarbamate against lipopolysaccharide-induced oxidative stress and acute hepatic injury in rats. *Saudi Pharmaceutical Journal*. 17(4): 259-267, 2009.
- 27- **Ali, A. A. M.** Comparative evaluation of ameliorative effect of the antidepressant drugs, imipramine and fluvoxamine on acetic acid-induced colitis in rats. *Basic and Clinical Pharmacology & Toxicology*, Vol. 105, 2009.
- 28- **Hanan Hagar**; Raeesa AbdEL Tawab. Cysteinyl leukotriene receptor antagonism alleviates renal injury induced by ischemia/reperfusion in rats. *Journal of Surgical Research*, 178(1):e25-34, 2012.
- 29- **Hanan Hagara**, Waleed Al Malki. Betaine supplementation protects against renal injury induced by cadmium intoxication in rats: Role of oxidative stress and caspase-3. *Environmental Toxicology and Pharmacology Volume* 37(2): 803–811, 2014.

- 30- **Hagar H**, Medany AE, Salam R, Medany GE, Nayal OA. Betaine supplementation mitigates cisplatin-induced nephrotoxicity by abrogation of oxidative/nitrosative stress and suppression of inflammation and apoptosis in rats. *Exp Toxicol Pathol.* **67(2):133-41. 2015.**
- 31- **Hagar, H.**, El Medany, A., & El Medany, G. Trimethylglycine (betaine) accentuates cisplatin-induced hepatotoxicity by suppressing oxidative stress and inflammation and down-regulation of nuclear factor kappa and caspase-3 in experimental rats. *Amino Acids* **47(8): 1685-1686, 2015.**
- 32- **Hanan H. Hagar.** Attenuation of thioacetamide-induced liver fibrosis by aminoguanidine. (Under submission).
- 33- Azza H. El Medany, **Hanan H. Hagar.** Therapeutic effects of curcumin on cancer colon induced experimentally in rats. (Submitted to EJP).
- 34- **Hanan Hagar**; Raeesa AbdEL Tawab. Taming tumor necrosis factor- α by rolipram attenuates acute renal injury induced by ischemia/reperfusion in rats: implication of extracellular activated kinase-1/2/ (ERK1/2), nuclear factor kappa- α and matrix metalloproteinases (MMP-2 & MMP9) (Under submission).
- 35- **Hanan Hagar**; Raeesa AbdEL Tawab. Attenuation of histological and immunohistochemical changes in the kidney subjected to renal ischemia/reperfusion injury by phosphodiesterase inhibition: Impact on expressions of collagen IV, fibronectin and ED1 and ICAM-1. **(Under preparation).**
- 36- **Hanan Hagar**; Raeesa AbdEL Tawab. RO-20-1724 attenuates acute renal failure induced by ischemia/reperfusion in rats: possible roles of nuclear factor kappa and matrix metalloproteinases. Under submission
- 37- **Hanan Hagar**, Ahlam Al-Hussini, Nabila Al Maraghi. Angiotensin II receptor blockade protects against hypertension and renal damage induced by chronic lead acetate exposure in experimental rats. Under submission
- 38- **Hanan Hagar**, Ahlam Al-Hussini, Nabila Al Maraghi. Comparative study between prophylactic and treatment effects of pure curcumin and marketed curcumin on chronic lead acetate exposure in experimental rats. Under submission

- 39- **Hanan H Hagar**, Nouf al-Otabi, Dana Bakheet, and Raeesa AT Muhammed. The renoprotective effects of rosuvastatin in streptozotocin-induced diabetes in rats via lipid lowering action, pleiotropic effects, attenuation of oxidative stress and down regulation of advanced glycation end products. Under submission
- 40- **Hanan H Hagar**, Nouf al-Otabi, Dana Bakheet, and Raeesa AT Muhammed. Combined effect of aminoguanidine and rosuvastatin on the development of diabetic nephropathy in STZ-induced diabetic rats. Under submission
- 41- **Hanan Hagar**, Ahlam Al-Hussini, Nabila Al Maraghi. Synergistic protective effects of curcumin and angiotensin II receptor blockade on lead induced hypertension and nephrotoxicity in rats. Under submission
- 42- **Hanan Hagar**, Azza El Medany. Role of resveratrol in cisplatin-induced oxidative stress and nephrotoxicity in rats. Under submission
- 43- **Hanan Hagar** and Hayam Gad. Effects of lowering lipid profile by statins on cerebral ischemia/reperfusion injury-induced oxidative stress and neuronal damage in experimentally-induced diabetic rats. Under submission
- 44- **Hanan Hagar** and Sufia Hussein. Antagonism of cysteinyl leukotriene receptor by zafirlukast dose-dependently attenuates lipopolysaccharide -induced oxidative stress and pancreatic injury in rats. Under preparation.
- 45- **Hagar, H.** Accentuation of cisplatin-induced hepatotoxicity by betaine supplementation via suppressing of oxidative stress and inflammation and down-regulation of nuclear factor-kappa B and caspase-3 expressions in rats. (Under preparation).

**CITATION AND IMPACT FACTOR
FOR PUBLISHED PAPERS in ISI JOURNALS**

No.	Title	Impact Factor	No. of Citations
1	Hanan H. Hagar , Norishi Ueda, and Sudhir V. Shah: Endonuclease induced DNA damage and cell death in chemical hypoxic injury to LLC-PK1 cells. <i>Kidney International</i> , 49: 355-361, 1996.	8.52	37
2	Hanan H. Hagar , Norishi Ueda and Sudhir V. Shah: Role of reactive oxygen metabolites in DNA damage and cell death in chemical hypoxic injury to LLC-PK1 cells. <i>Am. J. Physiol.</i> 271: F209-F215, 1996.	3.674	99
3	Hanan H. Hagar , Norishi Ueda and Sudhir V. Shah: Tyrosine phosphorylation in DNA damage and cell death in hypoxic injury to LLC- PK1 cells. <i>Kidney International</i> , 51: 1747-1753, 1997.	8.52	24
4	Hoda, E. Mohamed, Sahar E. El-Sweify, and Hanan H. Hagar : The protective effect of glutathione administration on adriamycin-induced acute cardiac toxicity in rats. <i>Pharmacological Research</i> . 42 (2): 115-121, 2000.	3.929	55
5	Hanan H. Hagar and Azza H. Fahmy: A biochemical, histochemical and ultrastructural evaluation of the effect of dimethoate intoxication on rat pancreas. <i>Toxicology letters</i> , 133 (2-3): 161-170, 2002.	3.4	59
6	Hanan H. Hagar : Folic acid and vitamin B12 supplementation attenuates isoprenaline-induced myocardial infarction in experimental hyperhomocysteinemic rats. <i>Pharmacological Research</i> , 46 (3): 213 - 219, 2002.	3.929	41

7	Azza H. El Medany and Hanan H. Hagar : Effect of fluconazole on the fertility of male rabbits. <i>Arzneimittel-Forschung / Drug Research</i> , 52 (8): 636-640, 2002.	0.69	7
8	Afaf M. Maghoub, Azza H. El Medany, Hanan H. Hagar and Dorea M. Sabah: Protective effect of natural honey against acetic acid- induced colitis in rats. <i>Tropical Gastroenterology</i> , 23: 82- 87, 2002.		17
9	Afaf M. Maghoub, Azza H. El Medany, Hanan H. Hagar , Ali A Mustafa and Dorea M. Sabah: Evaluating the prophylactic potential of zafilurkast against the toxic effects of acetic acid on the rat colon. <i>Toxicology Letters</i> 14: 79 – 87, 2003.	3.4	31
10	Hanan H. Hagar : The protective effect of taurine against cyclosporine A- induced oxidative stress and hepatotoxicity in rats. <i>Toxicology Letters</i> , 151: 335-343, 2004.	3.4	37
11	Azza El-Medany , Hanan H Hagar , Mahmoud Moursi, Raesa A.Muhammed, Fatma El-Rakhawy, Gamila El-Medany. Attenuation of bleomycin–induced lung fibrosis in rats by mesna. <i>Eur J Pharmacol</i> 9: 61-70, 2005.	2.6	23
12	Eman El Eter, Hanan H Hagar , Ali Al-Tuwaijiri, Maha Araf. NF-κB inhibition by pyrrolidine dithiocarbamate attenuates gastric ischemia/ reperfusion injury in rats. <i>Can J Physiol & Pharmacol</i> 83: 483-492, 2005.	1.546	35
13	Hanan H Hagar , Eman El Etter, and Maha Arafa. Taurine attenuates hypertension and renal dysfunction induced by cyclosporine in rats. <i>Clinical and Experimental Physiol and Pharmacol</i> 33: 189-196, 2006.	2.405	89

14	Ali Mustafa, Azza El-Medany, Hanan H Hagar , Gamila El-Medany. Ginkgo biloba attenuates mucosal damage in a rat model of ulcerative colitis. <i>Pharmacol Res</i> 53: 324-330, 2006.	3.929	56
15	Eman El Eter, Ali Al-Tuwaijiri, Hanan H Hagar , Maha Araf. The in vivo and in vitro anti-oxidant activity of ghrelin: Attenuation of gastric ischemic injury in the rat. <i>J Gastroenterology and Hepatology</i> , 22(11): 1791-1799, 2007.	3.33	79
16	Hanan H Hagar , Azza El-Medany, Eman El Eter, and Maha Araf. Ameliorative effect of pyrrolidine dithiocarbamate on acetic acid-induced colitis in rats. <i>Eur J of Pharmacol</i> 554: 69-77, 2007.	2.6	63
17	Azza H. El Medany, Hanan H. Hagar , Faten A.Zakaria: Cardioprotective effects of ATP sensitive potassium channel opener, nicorandil and the long acting potassium channel opener KRN 4884 in ischemic reperfused isolated rabbit's heart. <i>Saudi Pharmaceutical Journal</i> , 11 (3): 77 – 86, 2003.	0.965	–
18	Hanan H Hagar . Cysteinyl Leukotriene receptor blocker, zafirlukast ameliorates lipopolysaccharide-induced multiple organ dysfunction in rats. <i>Saudi Pharmaceutical Journal</i> . 16(2): 89-102, 2008.	0.965	–
19	Hanan H Hagar . An insight into the possible protective effect of pyrrolidine dithiocarbamate against lipopolysaccharide-induced oxidative stress and acute hepatic injury in rats. <i>Saudi Pharmaceutical Journal</i> . 17(4): 259-267, 2009.	0.965	2

20	Ali, AAM, Hagar, H , El-Medany, A, El-Medany G. Comprehensive evaluation of ameliorative effect of the antidepressant drugs, imipramine and fluvoxamine on acetic-acid-induced ulcerative colitis in rats. <i>Basic & Clinical Pharmacology & Toxicology</i> 105:124-124, 2009.	2.308	—
21	Hanan Hagar ; Raeesa AbdEL Tawab. Cysteinyl leukotriene receptor antagonism alleviates renal injury induced by ischemia/reperfusion in rats. <i>J Surg Res.</i> 2012 Nov;178(1):e25-34.	2.3	7
22	Hanan Hagara , Waleed Al Malki. Betaine supplementation protects against renal injury induced by cadmium intoxication in rats: Role of oxidative stress and caspase-3. <i>Environmental Toxicology and Pharmacology</i> Volume 37(2): 803–811, 2014.	2.001	4
23	Hagar H , Medany AE, Salam R, Medany GE, Nayal OA. Betaine supplementation mitigates cisplatin-induced nephrotoxicity by abrogation of oxidative/nitrosative stress and suppression of inflammation and apoptosis in rats. <i>Exp Toxicol Pathol.</i> 67(2):133-41. 2015.	2.1	2

LIST OF ARTICLES REVIEWED BY ME

1. Protective effect of lithium on acetic acid-induced colitis in rats (**Digestive Diseases and Sciences -DDS4417**).
2. Taurine ameliorates water avoidance stress-induced degeneration of gastrointestinal tract and liver (**Digestive Diseases and Sciences-DDS 1878**).
3. The role of oxidative stress on cyclosporineA-induced nephrotoxicity in rats and the protective effect on N-acetylcysteine (**Cell Biology International**)
4. Antioxidant Defense of Betaine against Isoprenaline-Induced Myocardial Infarction in Rats (**J of Pharmacy& Pharmacology -D-07-00461**).
5. Psyllium attenuates myocardial infarction induced by isoprenaline and prevents hyperlipidemia in fat rich diet fed rats (**J of Pharmacy& Pharmacology-D-09-00091**).
6. Cryptotanshinone attenuates isoprenaline-induced cardiac fibrosis in mouse associated with upregulation and activation of matrix metalloproteinase-2" for the Journal of Pharmacy and Pharmacology (**J of Pharmacy& Pharmacology-D-11-00082**).
7. Gastroprotective effect of rofecoxib and NO-releasing aspirin against stress induced gastric lesions in rats (**Saudi Pharmaceutical Journal -2829**).
8. Pharmacological evaluation of novel aspirin derivative compound as potential selective cox-2 inhibitor (**Saudi Pharmaceutical Journal- 2834**).
9. Role of curcumin on generalized tonic clonic seizures and its associated memory disturbances with influence on brain monoamines (**Saudi Pharmaceutical Journal- 2880**).
10. Leptin levels in relation to marital status and neuroendocrine function in Iraqi females with polycystic ovary syndrome (**Saudi Pharmaceutical Journal – 2938**).
11. Manifestations following the intracerebroventricular injection of *leiurus quinquestriatus* scorpion venom in rabbits: the usefulness of the sodium channel blocker lidocaine (**Saudi Pharmaceutical Journal- 210-06**).
12. Comparative clinical evaluation of ketotifen and montelukast sodium in asthmatic Iraqi patients (**Saudi Pharmaceutical Journal- 210-18**).
13. Measuring the rate of therapeutic adherence among outpatients with T2DM in Egypt (**Saudi Pharmaceutical Journal- 210-28**).

14. Clomipramine affects sexual behavior and reproductive functions in male rats. (**Saudi Pharmaceutical Journal- 210-57**).
15. Synthesis and antihistaminic activity of novel tricyclic benzothieno 1, 2, 3-triazines (**Saudi Pharmaceutical Journal- 210-101**).
16. Review on in vivo and in vitro methods evaluation of antioxidant activity (**Saudi Pharmaceutical Journal- D-12-00010**).
17. Ig A nephropathy and cyclosporine toxicity after heart transplantation. (**Cell &Tissue Transplantation and Therapy-2087**).
18. Erythrocyte lipid and lipid peroxide levels did not change in cirrhosis induced by thioacetamide treatment in rats. (**Achieves of Medical Research- D-00089**).
19. Modulation of diazinone-induced hyperglycemia and oxidative stress in rat Langerhans islets by two cAMP and cGMP phosphodiesterase inhibitors (**Pesticide Biochemistry & Physiology-D-04-073**).
20. The effects of diazinon on pancreatic damage and ameliorating role of vitamin E and vitamin C. (**Pesticide Biochemistry & Physiology-D-04-073**).
21. Effects of malathion on insulin secretion from pancreatic in vivo and in vitro on glucose homeostasis in Wistar rats. (**Pesticide Biochemistry & Physiology-D-06-00139**).
22. Dimethoate induced biochemical perturbations in rat, its attenuation by cashew nut skin extract. (**Pesticide Biochemistry & Physiology-D-07-00038**).
23. Effect of short term malathion administration on glucose homeostasis in Wistar rats. (**Pesticide Biochemistry & Physiology-D-07-00147**).
24. Role of lipoic acid in ameliorating the oxidative stress induced by cyclosporine A. (**Clinica Chemica Acta-D-06-00003**).
25. Effects of Taurine on toxicity of aluminum in rats. (**Acta Pharmacologica Sinica-8439**).
26. Taurine protected kidney from oxidative injury by acting as mitochondrial antioxidant in a rat model of nephrolithiasis. (**Urological Research-D-08-00140**).
27. A pharmacological-based array to identify targets of CsA-induced toxicity in cultured renal proximal tubule cells. (**Toxicology TOX-11-388**).
28. Inhibitions of NF- κ B and TNF- α Result in Differential Effects in Rats with Acute on Chronic Liver Failure Induced by D-Gal and LPS. (**Inflammation IFLA-D-13-00341R1**).

29. High fat diet induced obesity stimulate depressive-like behavior in rats. (**Saudi Pharmaceutical Journal, SPJ-D-15-00398**).
30. Determination of Copper, Zinc, Lead and Some Biochemical Parameters in Fresh Cow milk from different locations in Niger State, **Nigeria (African Journal of Food Science AJFS-10-217)**.