

Curriculum Vitae

Name : Jihan Seid Hussein Seliman

Date of Birth : 17/ 2 /1967

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Present Profession: Professor of Medical Biochemistry, National Research Center

Date of Degree : 1/4/2013

Scientific Degrees

* **B.Sc.:** Good- Faculty of Science, Zoology Department, Cairo University, (May 1989).

* **M.Sc.:** Master Degree in Physiology, Faculty of Science, Cairo University (1995).

* **Ph.D.:** Degree in Physiology, Faculty of Science, Cairo University (2001).

M.Sc. Thesis Entitled: “The Influence of an Antihypertensive Drug on Some Physiological Parameters in Rats”

Ph.D. Thesis Entitled: “Methanol and Cell Membrane”

Professional Career

From 27/11/2002 till 28/2/2003

Assistant Researcher in Basic Medical Science Department, Medical Division, NRC

From 1/3/2003 till 1/3/2008

Researcher in Medical Biochemistry Department, Medical Division, NRC

From 2/3/2008 till the 30/3/2013

Assistant professor in Medical Biochemistry Department, Medical Division, NRC.

From 1/4/2013 till the present

Professor in Medical Biochemistry Department, Medical Division, NRC.

Scientific Societies & Units

- Member of International Society of Nephrology
- Member of International Society of Medicinal plant
- Member of Egyptian Society of Biochemistry and Molecular Biology
- Member of The Egyptian German Society of Zoology
- Member of Union of Arab Biologists
- Member of Liver and systemic Diseases Group
- Member of Medical Biochemistry Unit in NRC

Scientific Projects

1. Member in the internal project entitled "Experimental design for development of osteoporosis in ovariectomized rats as in those affected with chronic diseases. A trial for treatment with natural dietary sources" From 2004 – 2007.
2. Member in the internal Project entitled "Protective and Intervention studies in osteoporosis among athletic women and pubertal girls" from 2004 – 2007.
3. Member in External project in conjunction with the educational hospitals entitled "Early Detection of diabetes Mellitus and its complications" from June 2006- 2008.
4. Member in the internal project entitled "Oxidative stress in some chronic diseases as measured by sensitive biomarkers". Preventive or treatment measures using aged garlic extract. From 2008- 2010. P.I. Dr. Hanaa Wafaey.
5. Member in the internal project entitled "Climate change: Infectious Fungal Diseases and Fungi causing Cancers as Novel Environmental Health Problem in Occupations at risk " From 2010- 2013. P.I. Dr. Amal Saad El-Deen.
6. Member in the internal project entitled "New biological & neurochemical studies on the effects of cannabis Sativa preparations in rodent brain" from 2010-2013. P.I. Dr. Omar Abdel Salam.
7. The principal Investigator of the internal project entitled "Role of cell membrane fatty acids in insulin sensitivity in diabetic rats". From 2010- 2013. P.I. Jihan Seid Hussein.

8. Member in the internal project entitled "The impact of fish oil and alcoholic extract of myrtle plant on the regeneration of endothelial dysfunction in ovariectomized diabetic rats. From 2013- 2016. P.I. Dr. Magdi Ashour.

9. Member in the internal project entitled "The Potential Effects of Exposure to Bisphenol A- an Endocrine Disrupting Agent On Neonates, Children and Adolescent Health ". From 2013- 2016. P.I. Dr. May Yousef.

10. Member in the internal project entitled "A tailored Nutrition Intervention for Children suffering from Attention-deficit hyperactivity disorder". From 2013- 2016. P.I. Dr. Nagwa Abdel Meguid.

11. Member in the internal project entitled "Role of cell membrane components in treatment of experimental breast cancer ". From 2015- 2016. P.I. Dr. Zakaria El-Khayat.

12. Member in the internal project entitled "Impact of gold nanoparticles in solid carcinoma in mice in cancer therapy ". From 2015- 2016. P.I. Dr. Dalia Medhat.

13. Member in the internal project entitled "Electrospun nanofibres and functionalized hydrogen nanocomposites modified polysaccharides ". From 2016-2019. P.I. Dr. Mehrez El-Naggar.

14. Member in the internal project entitled " Multistimuli responsive hydrogels based nanocrystalline cellulose composites for drug controlled release. ". From 2016-2019. P.I. Dr. Tharwat Shaheen.

15. P.I. in the internal project entitled "Docosahexaenoic acid encapsulated zinc oxide nanoparticles regulates insulin signaling pathway and glucose transport in experimental diabetes". From 2016-2019. P.I. Dr. Jihan Seid Hussein.

16. Member in the internal project entitled "Amelioration of drug nephrotoxicity using nanoparticles polymers ". From 2016-2019. P.I. Dr. Nadia Mohamed Ahmed.

17. Member in the internal project entitled " Using salusins, adropin and irisin as new promising biochemical markers for non-alcoholic fatty Liver and atherosclerosis in rats suffering from metabolic syndrome: Irisin impact as a possible therapeutic agent". From 2016-2019. P.I. Dr. Magdy Ashour.

18. Member in the internal project entitled "hepatoprotective materials from medicinal plants and soft corals". From 2016-2019. P.I. Dr. Mahmoud Ibrahim Nassar.
19. Member in the internal project entitled "The modulatory effect of Brassica oleracea extract on the miRNA network controlling the Epithelial-Mesenchymal transition and cancer stemness in Breast Cancer". From 2016-2019. P.I. Dr. Sherin Mohamed El-Daly.
20. Member in the internal project entitled "The accuracy of circulating microRNAs as non-invasive biomarkers in the diagnosis of colorectal cancer using a stepwise carcinogenesis mouse model". From 2016-2019. P.I. Dr. Jacklin Raafat Awadallah.
21. Member in the internal project entitled " [Inflammatory and oxidantInflammatory....](#)"
From 2016-2019. P.I. Dr. Moushera Erfan.

Participation in Conferences

- 1- The 1st Annual International Conference of the Medical Research Division. December 18-20, 2002.
- 2- Fourteenth Annual Conference of the Egyptian Society for Laboratory Medicine, 2-4 April 2003.
- 3- Third Clinical Conference for EDF Endocrinology, Diabetes and Infertility. 17 – 19 September 2003.
- 4- The 2nd International Conference of the Egyptian British Biological Society. 15th Oct., 2003.
- 5- The 2nd Annual International Conference of the Medical Research Division. December 17-19, 2003.
- 6- The fifteenth annual conference of the Egyptian Society of Laboratory Medicine in partnership with the Egyptian Federation of kidneys from 17 to 19 December 2003.
- 7- The 36th Egyptian Conference of Allergy and Immunology. December 25th, 2003.
- 8- The International Conference on “Recent Issues on Toxicology and Environmental Pollution”. on 24 -25th April, 2004.
- 9- Annual Scientific Congress of the Egyptian Society of Biochemistry & Molecular Biology (ESBMB), April 24 – 25, 2004.

- 10-** International Clinical Conference for EDF Endocrinology, Diabetes and infertility ,8-10 October 2004
- 11-** The 3rd International Conference of Medical Sciences.14 -16 December, 2004.
- 12-** Annual Conference of the Egyptian Society for Laboratory Medicine, 23-24 March 2005.
- 13-** The 4th international conference of Medical science division, 20-22 Dec. 2005.
- 14-** The 41st Egyptian Congress of Allergy and Immunology. December 23th, 2005.
- 15-** The Annual Conference of Biochemistry and Molecular Biology .April 19 -21, 2006.
- 16-** The International Clinical Conference for the Endocrinology, Diabetes and Infertility on 14 September, 2006.
- 17-** Annual Conference of Allergy and Immunology in the November 30, 2006.
- 18-** The Fifth International Conference of the Medical Research Division, 19-21 December 2006
- 19-** Annual Conference of Allergy and Immunology, 1-2 November 2007.
- 20 -** The Sixth International Conference Medical Research Division, 4-6 December, 2007.
- 21 -** The Third African International Conference for Nutrition and Environment,13-16October2008
- 22-**Eighth Annual Conference of the coefficient (educational organization of the Hospital Authority - Factory management), 26-27 November 2008 .
- 23-**The 7th international conference of medical sciences entitled "Contemporary Researches on Health Problems"during period December 23 – 25, 2008.
- 24-**56th scientific congress of ESCC under the theme "Main Theme Laboratory medicine, up date clinical applications of genomic medicine".during period February 23-24, 2009.
- 25-** New horizons of stem cell therapy. February 28, 2009.
- 26-** The annual scientific conference on "Recent Advances in Biochemistry and Molecular Biology" during the period 28-29 April 2009
- 27-** First Conference of the project to improve the health and nutrition status for the children of South Sinai, "the achievements and the future "held on 28th June 2009.
- 28-** The Annual Congress of Allergy and Immunology organised by egyptian society of allergy, and immunology held on November 19th 2009

- 29-** The 8th International Conference of Medical Research Division under the theme :Recent Trends in Endocrinal Disorders , held in NRC, Cairo , Egypt., December 21-23,2009.
- 30-** The annual scientific conference on “Recent Advances in Biochemistry and Molecular Biology” during the period 14-15 April 2010.
- 31-** The annual scientific conference " Transfusion Medicine &Quality Updates : Revolution not Evolution, Kasr Al-Ainy, Faculty of Medicine, Cairo University, Clinical and Chemical Pathology Dept. 24 October, 2010.
- 32-** The 1st International conference of Human Genetics and Genomics : Challenges for proper health. National Research Center, November, 8-10th 2010.
- 33-** Fourth International Conference on Environmental Science and Technology 14 to 16 December 2010
- 34 -** Ninth International Conference Medical Research Division, 20-22 December 2010
- 35-** The 10th annual Conference of General Organization for teaching Hospitals and Institutes (Recent technical approaches in clinical laboratory) 19-20 December 2010.
- 36-**The 10th Annual international conference of the Egyptian association for the study of liver and gastrointestinal diseases” New perspectives of hepatogastroenterology”7th- 9th March. 2012.
- 37-** Participated in the annual scientific conference on: Recent advances in biochemistry & molecular biology” 19 -20 April,2012.
- 38-** Attended and Participated inThe 9th Annual international conference “About the future prospects for the development of the environment in the Arab world and face the challenges”. 21-24 April. 2012.
- 39-** The 14th Annual congress of egyptian society of pancreatic islet transplantation research for diabetic patient. 21 -22 November, 2012.
- 40-** the 10th Annual congress of the Medical science; " Medical Research Towards Healthy Society from 14 -16 /01/2013.
- 41-** the 10th Annual congress of the Medical science; In recognition of attending and participating in workshop of "Research Methodology – Type of study Design from 16-17/1/2013.

- 42-** Attended the "10th National conference for Biochemistry & Molecular Biology and their role in environmental and development". 24- 26/2013.
- 43-** Attended the "11th annual international conference of the Egyptian association for the study of liver and gastrointestinal disease". 26-28/3 2013.
- 44-** the 10th Annual conference of Diabetes (Gut and Liver) ; Managing Diabetes & Liver Disease Association Guidelines Development . 18 -19 /09/2013.
- 45-** the 5th Diabetic Foot conference of the Egyptian Society of Diabetic Foot (ESDF). 3-4 / 10/ 2013.
- 46-** the 15th Annual conference of Egyptian Society of Pancreatic Islet Transplantation Research For Diabetic Patients. **20-21/ 11/ 2013.**
- 47-** The first annual international conference of obesity & nutrition entitled ; (updates in obesity from causes to management) . 12th March 2015 , Grand Nile Tower Hotel.
- 48-** The 12th National conference entitled:" Role of biochemistry and molecular biology in drug discovery and disease diagnosis "Held on March 15-17, 2015 at Guest House Ain Shams University.
- 49-** SCITA Biofans Conference "SBC" ON 1-2 February, 2016. Held in the conference hall at Al-Kasr Al-Aeiny.
- 50-** The 2nd international conference of the Arab society of therapeutic nutrition and complementary medicine held in Conrad Cairo hotel from 23-24 March, 2016.
- 51-** The 5th Annual Conference of Ain Shams Tropical Medicine Department, 21-23 November 2017 in Triumph Hotel – Heliopolis, Cairo, Egypt.

International Conference

- 1- Participate in the "XXVI International conference on polyphenols". 22-26 July 2012. hosted by the University of Florence, Italy.
- 2- Participate in the 62nd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research – GA2014, 31st August – 4th September 2014. University of Minho, Campus of Azurém Guimarães ,Portugal.

Scientific Meeting

- 1.** The 1st Scientific Meeting of Medical Biochemistry Department titled "Diabetes up to date "On 23-6-2004.
- 2.** The 2nd Scientific Meeting of Medical Biochemistry Department titled "Diabetes up to date on 19 -4-2005.
- 3.** The 1st Scientific Meeting of Medical Physiology Department on Atherosclerosis on 25 September 2005.
- 4.** Scientific Meeting for teaching Hospital and Institutes on 19 June 2006.
- 5.** Scientific Meeting of the Reproductive Health and Family Planning Research Department titled "Delayed Pregnancy and it's Causes". July 26, 2006.
- 6.** Workshop entitled "Ethical Profiles of Medical Research "on Marsh 18, 2007.
- 7.** The 56th Scientific Congress of ESCC " International Meeting " : Main Theme " Laboratory Medicine, Up date Clinical Applications of Genomic Medicine held in Cairo ,Egypt on February 23-24,2009.
- 8.** The symposium events " New Horizons of stem cells therapy " by the National Committee of Biochemistry and Molecular Biology on February 28, 2009.
- 9.** The Scientific Meeting of Medical Biochemistry Department titled "Recent Advance in Liver Diseases "On 27-4-2009.
- 10.** The workshop entitled "Formulation and writing project proposals" from 21-25, February 2010.
- 11.** The workshop Events "Stem Cells "held on April, 12-13, 2010.
- 12.** The workshop entitled "Anew Era of Genetic Disease, National Research Center, 3-4th October, 2010
- 13.** Application of synchrotron radiation in structure determination from powder data. 18 January , 2011. Giza Egypt.
- 14.** 2nd annual meeting of egyptian society of liver cancer " towards egyptian guidlinrs for HCC" 1st -2nd June 2011.

15. Symposium entitled "Modern techniques in biochemistry and molecular biology in health and disease" 4 December, 2011.
16. The first annual meeting of MEACR "Cancer Research from bench to clinic" 27-28 December, 2011. Tanta University.
17. Health is wealth symposium on 13/1/2016 held in National Research Centre.
- 18- The 1st SCIENTIFIC Forum for Applied Medical Research Marketing – National Research Centre. Held in Nile Ritz Carlton, Cairo. December17,2016.

Training Courses

Teaching:

- 1- Participate in training the Science and Pharmacy faculties 'students. From 16-7 – 2006 to 15-8-2006.
- 2- Participate in teaching in the first training course of the training division of the High Institute for Specific Studies "sudanese students "" in cairo 16-28 june 2007
- 3- Participate in training the Science and Pharmacy faculties 'students. From 5-7 – 2009 to 15-7-2009.
- 4- Participate in training the Science and Pharmacy faculties 'students. From 2-8 – 2009 to 13-8-2009.
- 5- Participate in teaching in the training course titled "Estimation of Microcystene in drinking water using HPLC from 31-1-2010 to 4-2-2010.
- 6- Participate in training the Science and Pharmacy faculties 'students. From 5-7-2010 to 5-8-2010.
- 7- Participate in teaching in the training course titled "Modern uses of HPLC" in NRC, from 25-7 to 19-8 / 2010.
- 8- Participate in teaching in the training course title " Basics of HPLC " for Africans in NRC , from 27-9 to 27-10 / 2010.
- 9- Participate in teaching in the training course title "Inspection techniques and analysis of toxic substances and narcotic" from 28-11-2010 to 9-12-2010.

- 10- Participate in training the Science and Pharmacy faculties 'students. In 2011, 2012, 2013,2014 ,2015, 2016 and 2017.
- 11- Teaching and participate in training in the new generation program from Scientific Research Academy in 2015.
- 12- Teaching and participate in training in the new generation program from Scientific Research Academy in 2016.
- 13- Teaching and participate in training in the new generation program from Scientific Research Academy in 2017.

Attendance

- 1- Attended in training course titled "applications of radioisotopes and radiation protection and radiation safety" in the period from 5th March to 6th April 2005.
- 2- Attended in training course titled "HPLC "from 7-5-2005 to 11-5-2005.
- 3- Attended in training course titled "HPLC - Advanced "from 2-5-2006 to 16 – 5- 2006.
- 4- Attended in training course titled "ELECTROPHORESIS" - 2009.
- 5- Attended in training course titled "New Horizons of stem cell therapy", The National Committee of Biochemistry and Molecular Biology, Faculty of Medicine, Cairo University, February 28, 2009.
- 6- Attended in training course titled "PCR " NRC, 6-10 /3/ 2011.
- 7- Attended in a work shop entitled "How to complete the progress sheets of the Medical Research Ethics Committee" in National Research Centre, 28/22/2017.
- 8- Attended in a work shop entitled "How to complete the progress papers of the Medical Research Ethics Committee" in NRC, on 28 November ,2017.

Supervision of the Following Theses

(A) Master

- 1- Supervision of master thesis by Aya Hassan Mohamed (External) entitled "Early detection of liver diseases among shoes maker" Faculty of Science – Helwan University. Ended in January 2009.

- 2- Supervision of master thesis by Dalia Medhat Ahmed (Medical Biochemistry Department) entitled "Effect of omega -3 fatty acids on erythrocyte membrane in diabetic rats "Faculty of Science – Tanta University. Ended in June 2009.
- 3- Supervision of master thesis by Noha Saeed Hussein (External) entitled "Effect of Eruca Sativa in liver diseases in rats" Faculty of Science - Ain Shams University. Ended in July 2009.
- 4- Supervision of master thesis by Yasmin Abdel Lattef Mahmoud entitled "The protective effect of polyphenolic compounds on lipopolysaccharides induced hepatitis in D- galactoseamine sensitized rats", Faculty of Pharmacy , Kanat EL Sues University . Ended in 2010.
- 5- Supervision of master thesis by Noha Anwar Mohammed , entitled " Serum level of Interleukin-17 and Interleukin -4 in Leprosy Patints" , Faculty of Medicine , Ain Shams University , . Ended in September, 2011.
- 6- Supervision of master thesis by Hamada Hussein Hussein El-Barbary entitled "Serum Copper Levels in Full term and Preterm Neonates "Faculty of Medicine, Ain Shams University, ended in December, 2011.
- 7- Supervision of master thesis by Hebatallah Mahmoud Fahmy entitled "Role of flaxseed oil in lipopolysaccharide induced hepatitis in D-galactosamine sensitized rats " . Faculty of Pharmacy , Kanat EL Sues University , beginning in 2013.
- 8- Supervision of master thesis by Hebatallah Mahmoud Hanafy entitled " Therapeutic effect of polyunsaturated fatty acids on lipopolysaccharide induced traumatic brain injury in rats" . Faculty of Pharmacy , Kanat EL Sues University , beginning in 2013.
- 9- Supervision of master thesis by Walaa Hassan " effect of kewi in indomethacine induced peptic ulcer in rats" . Faculty of Pharmacy , Kanat EL Sues University , (ended in May,2016).

(A) Ph.D and M.D.

- 1- Supervision of MD thesis by Osama Saber Ibrahim entitled "Relation between circulating CD34 Positive Cells and Brain Natriuretic Peptide in Type 2 Diabetic

Patients With Nephropathy” Faculty of Medicine- Ain Shams University, ended in 2012.

- 2- Supervision of MD thesis by Ghada Ahmed Alkaranfilly entitled “The Effect of Some Bisphenol –A based Restorative Materials on the Estrogen Receptors Activity” Faculty of Dental Medicine, Cairo University, ended in 2015.
- 3- Supervision of Ph D thesis by Dalia Medhat Ahmed Ali entitled “Possible therapeutic effect of mesenchymal stem cells in Dimethylnitrosamine induced liver cirrhosis in rats”. Faculty of Science, Tanta University, ended in 2012.
- 4- Supervision of PhD thesis by Yasmin Abdel Lattef Mahmoud entitled " Therapeutic Effect of Coenzyme Q10 On Diabetes-Induced Brain Injury In Rats". Faculty of Pharmacy, Kanat EL Sues University, ended in 2013.
- 5- Supervision of Ph D thesis by Jakleen Raafat Awadallah entitled " Role of cell membrane fatty acids in insulin sensitivity in diabetic rats". Faculty of Pharmacy, Kanat EL Sues University , ended in 2014.
- 6- Supervision of Ph D thesis by Sahar El- Khateeb, entitled “Efficacy of Flaxseed Oil and Fish Oil on Erythrocyte Membrane in Diabetic Rats in Context of Oxidative Stress "Faculty of Science, El- Fayoum University, ended in 2013 .
- 7- Supervision of Ph D thesis by Shimaa Mubarak , entitled " Cardioprotective effect of Date palm against Doxorubicin-induced cardiotoxicity" in Ain Shams University(running).

Scientific Publications

National Publications:

- 1- Khadiga Gaafar, Hoda Taha and **Jihan Seid Hussein** (1996). Beneficial effects of capozide on carbohydrate and lipid metabolism. Proc.Egypt.Acad.Sci.46:41-56.
- 2- Sokkar NM and **Hussein JS** (2004): Further phytoconstituens and antihepatotoxicity of *Otostegia fruticosa* forssk. (BRIQ.) Bull.Fac.Pharm.Cairo Univ., 42(1), 165-172.
- 3- Waheed H, Hegazy A and **Seid J** (2004): Serum levels of inflammatory cytokines in juvenile systemic lupus Erythematosus. Egypt.Med. J. NRC, 5(6), 47 – 60.

- 4- Abdel Raouf E , Basheer H, **Seid J** and Misbah A(2005) : Subcutaneous deferoxamine twice daily in Egyptian children suffering from chronic hemolytic anemia Egypt.Med. J. NRC, 4,(1) 147 – 155.
- 5- Hanna AN, Hanna WM, **Gihan S**, Soliman GS and Saber KH(2005) : Evaluation of the proinflammatory cytokines and their soluble receptors in hemodialysis children, Egypt Med. J., 6(1) 45 – 60 .
- 6- El- Helaly N, Waheed H, Saleh A ,Essa M , **Hussein G** , Oraby O (2005): Comparison between the effect of montelukast versus fluticasone propionate inhaler in children with mild persistent asthma. Journal of Arab child, 16 (5), 583-596.
- 7- El-Khayat Z, **Hussein JS**, Mahmoud M and Oraby FS(2009) : Cu: Zn ratio in differential diagnosis between hepatocellular carcinoma and cirrhotic patients, The New Egyptian Journal of Medicine, 40 (1), 27-33.
- 8- Ola G B El-Farghaly and **Jihan S Hussein** (2011) : Serum zinc levels in full-term and preterm Egyptian neonates in relation to anthropometric measurements, The Egyptian journal of neonatology, 12 (3) : 215-225.
- 9- Ola G B El-Farghaly, Ibrahim S Abu-Saif , **Jihan S Hussein** and Hamada H EL-Barbary (2011) : Serum copper levels in full-term and preterm Egyptian neonates in relation to anthropometric measurements, The Egyptian journal of pediatrics, 28 (3,4) : 281-293.

International Publications:

- 1- Elmegeed GA, Ahmed HH and **Hussein JS** (2005): Novel synthesized aminosteroidal heterocycles intervention for inhibiting iron-induced oxidative stress ,European Journal of Medicinal. Chem. , 40: 1283-1294.
- 2- Saber KH, El-Khayat Z, **Hussein GS** and Hanna AN(2007): Study of tissue factor and factor VII a in children with nephritic syndrome, Journal of Medical Sciences. 7 (1): 111-115.
- 3- Abou El-Soud NH , Khalil MY, **Hussein JS**, Oraby FS and Farrag AH (2007): Antidiabetic effects of fenugreek alkaloid extract in streptozotocin induced hyperglycemic rats, Journal of Medical Sciences. 7 (1): 111-115.
- 4- **Hussein JS**, Oraby FS and El-Shafey N (2007): Antihepatotoxic effect of garlic and onion oils on ethanol-induced liver injury in Rats. Journal of Applied Sciences Research. 3 (11): 1527-1533.

- 5- Hussein AS, Abdalla MS, **Hussein JS** , Shousha W GH and Mohamed AH (2008) : Antioxidants of Shoe-makers Exposed to Organic Solvents, Journal of Applied Sciences Research, 4 (9) : 1107- 1117.
- 6- Oraby FS, Hussein F, Khalil MY , **Hussein JS** and AbouEl-Soud NH(2008): Hypoglycemic Effect of Selected Herbal Extracts on Streptozotocin Induced Diabetic Rats, Journal of Applied Science Research,4 (12), 2001-2012.
- 7- Rasheed WI , Oraby FS and **Hussein JS** (2009): Therapeutic Efficacy of Garlic Oil with 1,25 Dihydroxy Vit D3 and Calcium in Osteoporotic Ovariectomized Rats, Australian Journal of Basic and Applied Sciences, 3(2): 977-981.
- 8- Hawas UW, Ibrahim LF, Farrag AH, **Hussein JS** and Elshiekh IA (2009): Evaluation of Antiulcer Activity of Chenopodium Moquinianum and Kaempferol Glycosides in Rats, World Journal of Chemistry, 4(1): 73-82.
- 9- El-Khayat Z , Rasheed WI , EliasTR , **Hussein JS** , Oraby FS , Badawi M and Salem SI (2010): Protective Effect of Either Dietary or Pharmaceutical n-3 Fatty Acids on Bone Loss in Ovariectomized Rats, Macedonian Journal of Medical Sciences, 15,3(1):9-16.
- 10- Abdallah HM, Hussein AS, Abdel-Latif, **Hussein JS** and Hassanien MA(2010): Ventilatory Function and Oxidative –Antioxidants Status in Shoe Makers, Researcher. 2(4): 59-66.
- 11- **Jihan Hussein** , Azza Salah, Fatma Oraby, Amany Nour El-Deen and Zakarya El-Khayat (2010) : Antihepatotoxic Effect of Eruca Sativa Extracts on Alcohol Induced Liver Injury in Rats .Journal of American Science. 6(11): 381 – 389.
- 12- Zakaria El-Khayat, Wafaa Rasheed, Tahany Ramzy, **Jihan Hussein**, Mervat Agaiby, SafaaMorsy, Fatma Morsy and Nermeen Shaffie (2010): Protective effect of garlic oil against liver injury in experimental animals, Journal of Medicinal Plants Research. 4(22): 2359-2369.
- 13- **Jihan Hussein**, Dina Abo El-Matty and Zakaria El-Khayat (2011): The protective effect of some polyphenolic compounds on lipopolysaccharide-induced hepatitis in D-galactosamine sensitized rats, Journal of Medicinal Plants Research. 5(2): 191-199.
- 14- Zakaria El-Khayat, **Jihan Hussein**, Tahany Ramzy and Magdy Ashour (2011): Antidiabetic antioxidant effect of Panax ginseng. Journal of Medicinal Plants Research. Vol. 5(18), pp. 4616-4620.

- 15- Zakaria El-Khayat, **Jihan Hussein**, Tahany Ramzy, Magdy Ashour and Fatma Oraby (2011): Protective Effect of Panax Ginseng Against Streptozotocin Induced Renal Dysfunction in Rats. *Journal of Applied Sciences Research*. 7(10): 1419-1423
- 16- **Jihan Hussein**, Ehab Mostafa, Maha El-Waseef, Zakarya El-Khayat, Ehsan Badawy, Dalia Medhat (2011): Effect of Omega-3 Fatty Acids on Erythrocyte Membrane in Diabetic Rats. *Macedonian Journal of Medical Sciences*. 4(3):234-239.
- 17- Omar M. E. Abdel-Salam Neveen A. Salem, **Jihan Seid Hussein** (2012): Effect of Aspartame on Oxidative Stress and Monoamine Neurotransmitter Levels in Lipopolysaccharide-Treated Mice. *Neurotox Res*. 21:245–255.
- 18- **Jihan Hussein**, Dina Abo El-Matty, Zakaria El-Khayat, and Yasmin Abdel-Latif.(2012): Brain Neurotransmitters in Diabetic Rats Treated with Coenzyme Q10. *International Journal of Pharmacy and Pharmaceutical Sciences*, 4 (4):554-556.
- 19- Dina M. Abo-Elmatty , Ehsan A. Badawy ,**Jihan S. Hussein** , Somaya Abo Elela ,Hoda A. Megahed (2012): Role of Heme Oxygenase, Leptin, Coenzyme Q10 and Trace Elements in Pre-eclamptic Women. *Ind J Clin Biochem*. 27(4):379–384.
- 20- **Jihan Hussein**, Zakaria El-Khayat, Mamdouh Taha, Safaa Morsy, Ehab Drees , Sahar Khateeb (2012): Insulin resistance and oxidative stress in diabetic rats treated with flaxseed oil. *Journal of Medicinal Plants Research* Vol. 6(42): 5499-5506 .
- 21- O.M.E. Abdel-Salam¹, N.A. Salem¹, M.E.S. El-Shamarka,**J.S. Hussein**, N.A.S. Ahmed, M.E.S. El-Nagar (2012): studies on the effects of aspartame on memory and oxidative stress in brain of mice. *European Review for Medical and Pharmacological Sciences*. 16: 2092-2101.
- 22- Omar M.E. Abdel-Salam, Neveen A. Salem, Marwa El-Sayed El-Shamarka,Noha Al-Said Ahmed, **Jihan Seid Hussein**, Zakaria A. El-Khyat (2013): cannabis-induced impairment of learning and memory: effect of different nootropic drugs. *EXCLI Journal*;12:193-214.
- 23- Amal Saad-Hussein, Mohamed F. Zayed, **Jihan S. Hussein**, Salwa F. Hafez, Eman M. Shahy, Khadiga S. Ibrahim, Mohamed I.M. Ibrahim (2013) : The Effect of Aflatoxin M1 Exposure on Oxidant/Antioxidant Status of the Flour Millers with Emphasis on 8-Hydroxy-2-Deoxyguanosine. *Journal of Applied Sciences Research*, 9(6): 3750-3757.

- 24- Zakaria El-Khayat, Ehab Mostafa, **Jihan Hussein**, Maha el-Waseef, Laila. Rashed, Abdel Razik Farrag, Dalia Medhat(2013): Mesenchymal stem cells therapy for thioacetamide induced liver cirrhosis. Int J Pharm Pharm Sci, vol 5, suppl 2, 196-203.
- 25- Marwa Abdallah, Hanaa Emam, Enas Attia, **Jihan Hussein**, Noha Mohamed (2013): Estimation of serum level of interleukin-17 and interleukin-4 in leprosy, towards more understanding of leprosy immunopathogenesis. Indian Journal of Dermatology, Venereology, and Leprology .November-December 2013 , Vol 79 , Issue 6, 772-776.
- 26- Zakaria El-Khayat¹, Dina Abo El-Matty, Wafaa Rasheed, **Jihan Hussein**, Olfat Shaker and Jakleen Raafat(2013): Role of cell membrane fatty acids in insulin sensitivity in diabetic rats treated with flaxseed oil. Int J Pharm Pharm Sci, vol 5, suppl 2, 146-151 .
- 27- **Jihan Seid Hussein** (2013): Cell Membrane Fatty Acids and Health, Int J Pharm Pharm Sci, Vol 5, Suppl 3, 38-46.
- 28- **Jihan Hussein**, Dina Abo El-matty, Zakaria El-Khayat and Yasmin Abdel-Latif (2013): Therapeutic Role of Coenzyme Q10 in Brain Injury during Experimental Diabetes. Journal of Applied Pharmaceutical Science Vol. 3 (06), pp. 213-217
- 29- **Jihan Hussein**, Zakaria El-Khayat, Mamdouh Taha, Safaa Morsy, Ehab Drees And Sahar Khateeb(2013): Dietary omega-3 fatty acids prevent erythrocyte membrane atpase reduction in streptozotocin induced diabetic rats. Int J Pharm Pharm Sci, Vol 5, Suppl 4, 211-216 .
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concentrations in relation to asthma in a sample of Egyptian children. Human and Experimental Toxicology 37(11), pp. 1180-1186.

Publishing books:

- 1- Publish a book titled " Protective Effect of Some Beverages on Hepatitis " [released by LAP LAMBERT Academic Publishing](#) (2011-04-19 - ISBN-13 : 978-3-8443-1979-8
- 2- Publish a book titled " Role of Cell Membrane Fatty Acids in Insulin Sensitivity " [released by LAP LAMBERT Academic Publishing](#) (2011-04-28) - ISBN- 13 : 978-3-8443-3206-3
- 3- Publish a book titled " Mesenchymal stem cells therapy for treatment of liver cirrhosis " [released by LAP LAMBERT Academic Publishing](#) (2013-02-28) - ISBN-13: 978-3-659-34866-2.
- 4- Publish a book titled " Neurotransmitters levels in diabetic rats treated with co enzyme Q10 " [released by LAP LAMBERT Academic Publishing](#) (2013-11-01) - ISBN-13: 978-3-659-34091-1.
- 5- Publish a book titled " Role of flaxseed oil supplementation in diabetes mellitus" [Released By Lap Lambert Academic Publishing](#) (2014-06-05) - ISBN-13 : 978-3-659-54383-8.
- 6- Publish a book titled " Omega-3 fatty acids attenuate DNA danmage in experimental diabetes" [Released By Lap Lambert Academic Publishing](#) (2014-12-19) - ISBN-13 : 978-3-659-66476-2.
- 7- Publish a book titled "History of kidney diseases and stem cells" [Released By Lap Lambert Academic Publishing](#) (2015-11-19) - ISBN-13: 978-3-659-80511-0.
- 8- Publish a book titled "The need to choose the fatty acids in our daily meals"" [Released By Lap Lambert Academic Publishing](#) (2015-11-23) - ISBN-13 : 978-3-659-80834-0.
- 9- Publish a book titled "Gastric ulcer and Medicinal plant" [Released By Lap Lambert Academic Publishing](#) (2015-11-30) - ISBN-13 : 978-3-659-80967-5.
- 10- Publish a book titled "Induction of experimental liver diseases" [Released By Lap Lambert Academic Publishing](#) (2016-10-18) - ISBN-13: 978-3-659-97120-4.

- 11- Publish a book titled "stem cells as promising treatment of diabetes mellitus" [Released By Lap Lambert Academic Publishing](#) (2016-11-7) - ISBN-13 : 978-3-330-00456-6.
- 12- Publish a book titled "Hepatitis" [Released By Lap Lambert Academic Publishing](#) (2016-9-22) - ISBN-13: 978-3-659-95835-9.
- 13- Publish a book titled "the history and the future of medicinal plant" [Released By Lap Lambert Academic Publishing](#) (2016-11-1) - ISBN- 13:978-3-330-01798-6.
- 14- Publish a book titled "New approach of treatment of brain injury" [Released By Lap Lambert Academic Publishing](#) (2016-12-19) - ISBN- 13:978-3-330-02472-4.
- 15- Publish a book titled "fatty acids and experimental hepatitis" [Released By Lap Lambert Academic Publishing](#) (2017-08-02) - ISBN- 978-620-2-01196-9.
- 16- Publish a book titled "Hyperglycemia and its complications" [Released By Lap Lambert Academic Publishing](#) (2017-09-13) - ISBN- 978-3-659-27178-6.
- 17- Publish a book titled " Kiwifruit and Health " [Released By Lap Lambert Academic Publishing](#) (2017-11-09) - ISBN- 978-620-2-07233-5.
- 18- Publish a book titled "The vital effect of polyphenols in mi RNA expression in cancer therapy " [Released By Lap Lambert Academic Publishing](#) (2017-11-09) - ISBN- 978-620-2-07545-9.

Prizes

- 1- Awarded a scientific encouragement prize in Biotechnology of the National Research Center in 2011.
- 2- Holds a Scientific Excellence Award for the research outputs of the National Research Center for the years 2010,2011,2012,2013 and 2014.
- 3- Holds a scientific award for the best publication in high impact factor journals in 2014.
- 4- Holds a scientific award in evaluation outputs in 2016 of the National Research Center for the year 2016 (TOP 10).

Reviewer in international Journals

- Reviewer in Macedonian Journal of Medical Sciences
- Reviewer in Journal of Medicinal Plant Research
- Reviewer in African Journal of Microbiology Research
- Reviewer in Inflammo Pharmacology.
- Reviewer in Human and experimental toxicology.
- Reviewer in Advances in Pharmacological Science Journal.
- Reviewer in British Journal of Pharmaceutical Research (BJPR).
- Reviewer in International Journal of Biochemistry Research & Review.
- Reviewer in Annual Research & Review in Biology.
- Reviewer in Indian Journal of Biochemistry and Biophysics.
- Reviewer in British Journal of Medicine and Medical Research.
- Reviewer in Journal of Tumor Biology.

Editorial board member

- 1- Editorial board member in "International Journal of Pharmaceuticals and Nutritional Sciences".
- 2- Associate editorial board member in "The Open Bio Chemistry Journal".

Oral presentation in Conferences

- Oral presentation of the paper entitled "Role of Cu / Zn ratio in differential diagnosis between hepatocellular carcinoma and cirrhotic patients" in the International Conference of Medical Sciences in 19-21 December 2006, NRC, Cairo, Egypt.
- Oral presentation of a lecture entitled "Role of cell membrane fatty acids in insulin sensitivity" in the International Conference of Medical Sciences in December 2008, NRC, Cairo, Egypt.
- Oral presentation of a lecture titled "Dietary Supplements in Experimental Model of Viral Hepatitis" in a symposium of Medical Biochemistry Department On 27th April 2009.
- Oral presentation in the "XXVI International conference on polyphenols". 22-26 July 2012. hosted by the University of Florence, Italy.
- Oral presentation in the 5th international conference of food industries and nutrition division . 18-21 February, 2014. Sharm El-Sheikh, Egypt.
- Oral presentation in the 62nd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research – GA2014, 31st August – 4th September 2014. University of Minho, Campus of Azurém Guimarães ,Portugal.

organizing committee

- A member of the organizing committee in The 2nd International Conference of Medical Science which held at the National Research Centre, Cairo-Egypt, in the period from 17-19 December, 2003.
- A member of the organizing committee The 3rd International Conference of Medical Science which held at the National Research Centre, Cairo-Egypt, in the period from 14-16 December, 2004.
- A member of the organizing committee The 4th International Conference of Medical Science which held at the National Research Centre, Cairo-Egypt, in the period from 20-22 December, 2005.
- A member of the organizing committee The 1st Scientific meeting of the Medical Biochemistry Department titled "Diabetes up to date "in 23-6-2004.
- A member of the organizing committee The 2nd Scientific meeting of the Medical biochemistry Department titled "Diabetes up to date "in 19- 4 -2005.

To apply patents

- Apply a patent entitled "Study of Tissue Factor and Factor VII a in children with Nephrotic Syndrome" No. 654 / 12 / 2006.
- Apply a patent entitled "Protective Effect of either Dietary or Pharmaceutical n-3 Fatty Acids on Bone Loss in Ovariectomized Rats No. 556-2007.
- Apply a patent entitled "Effect of Omega-3 fatty acids on erythrocyte membrane in diabetic rats", in 17/8/2010.
- Apply a patent entitled "Protective effect of garlic oil in experimental hepatitis in rats", in 8-8-2010.
- Apply a patent entitled " The therapeutic effect of nano-encapsulated and nano-emulsion forms of carvacrol on experimental liver fibrosis" , on 24/4/2017, No : 963/2017

Articles in Journals and Magazines

- A published article in "El- Mostakbal Journal" – No.27, 2007, entitled "Osteoporosis and its protection".
- A published article in "El- Mostakbal Journal" –31, 2008, entitled "Garlic and bones".
- A published article in "Algomhoreya Journal page 1, Date: 14-2-2008, entitle "Flaxseed oil for the prevention of osteoporosis"

- A published article in " Alahram Journal" page 35, Date: 24-6-2008, entitled "Flaxseed oil protects against osteoporosis"
- A published article in " Alahram Journal" page 12, Date: 16-9-2008, titled "Garlic helps in the treatment of osteoporosis"
- A published article in " Alahram Journal" No,44677, page 23, Date: 2-4-2009, entitled "Onion and garlic significantly reduce symptoms of hepatitis".
- A published article in "Alahram Journal" page 27, Date: 24-12-2009, entitled "Fish and flaxseed oil are good for diabetics".
- A published article in "Alahram Journal" page 24, Date: 7-1-2010, entitled "Fish and flaxseed oil protected from complications of diabetes".
- A published article in "Kol el-Nas Magazine" page 16, Date: 3-3-2010, entitled "Artichokes and fish oil to resist cancer".
- A published article in "Alahram Journal" page 35, Date: 18-3-2010, Entitled "Watercress resistant liver disease".
- A published article in " Hawaa Magazine" N,2801 , PAGE: 36-37, Date, 29-5-2010, entitled " Onion and garlic are panacea for most diseases" .
- A published article in " El- Mostakbal Journal" – No.36, Page : 32. 2010, entitled "Fatty acids and insulin sensitivity".
- A published article in " El-Seyasa Journal" – No.14949, Page 39, 2010, entitled "Anise addresses asthma, allergies and calms Ateloasab".
- A published article in " El-Seyasa Journal" – No.14993, Page 43, 2010, entitled "Harby osteoporosis fish and orange peel".
- A published article in "Hawaa Magazine" - No.2801, Page 36-37, 2010, entitled "Onions and garlic - a panacea for most diseases".
- A published article in "El-Seyasa Journal" – No.15089, Page 45, 2010, entitled "Chinese Emperor discovery tea".

Radio and T.V.

- Channel light house - the world of science .April. ,2008
- Voice of the Arab radio, Science week round, April. ,2008.
- Channel of scientific research - Back to Nature, May , 2008.
- Voice of the Arab radio, Bokra ahla men elnaharda, June. ,2008. Voice of the Arab radio, Scientists and Opinions, June. ,2008.
- Radio-oriented - the scientific horizons, Dec. , 2009.
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