

Curriculum Vitae

Dr. Samy Ali Hussein Aziza, MVSc, Ph.D

Professor of Biochemistry

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1. Personal data

Name (English)	Samy Ali Hussein Aziza
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College	Veterinary Medicine
Academic degree	Ph.D, Professor of biochemistry ; biochemistry department, Faculty of Vet. Med. Benha University, Egypt.
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2. Education

Institution	Degree obtained	Year
Faculty of Veterinary Medicine Zagazig University – Benha branch	Ph.D of Veterinary Medical Science (Biochemistry and Clinical chemistry)	1991
Faculty of Veterinary Medicine Zagazig University – Benha branch	Master degree of Veterinary Medical Science (Biochemistry and Clinical chemistry)	1987
Faculty of Veterinary Medicine Zagazig University	Bachelor of Veterinary Medical Science(Good Honor Grade)	1983

General specialty	Biochemistry
Specific specialty	Clinical biochemistry and molecular biology

3. Cooperation with local and international entities having website

Name of local and international entity	website
	https://scholar.google.com/citations?user=xB2aZzwAAAAJ&hl=en
1. LiveDNA: Publications of Samy Ali Hussein Aziza	http://livedna.org/20.5307 https://benha.academia.edu/SamyAziza https://www.researchgate.net/profile/Samy_Aziza https://scholar.google.com/citations?user=xB2aZzwAAAAJ&hl=en
2. Science Alert: Submission System	http://www.scialert.com/login.php
3. Science Alert: Submission System	http://www.scialert.com/ems/index.php

	https://scholar.google.com/citations?user=xB2aZzwAAAAJ&hl=en&gmla=AJsN-F7mEfolo_kkaRRjv9sOCmCTjC07jOdAXcc4CR3Hp2wj98wC_MwpRa7ElvSlonkGgzPe-dpeZpZuR5egsh8Y&sciund=5341358172445703402&gmla=AJsN-F4NQensgeWteUxJ6DbFFEI7fvZGf13RzFUBTIwVJ03Gqj1pgYBewbfqW2G3bekJGmcjCJsciund=14071038407648150621
4. Website:	http://www.bu.edu.eg/staff/samyaziza1
4. Scopus	https://www.scopus.com/authid/detail.uri?authorId=56006819900&fbclid=kxYfUJnx_ZQfO00ATkiaeK3yQ
5. ResearchGate	https://www.researchgate.net/profile/Samy_Aziza/research?fbclid=IwAR1snsXPIWTL6m6BwFQ9c4fgaI_7i9YnJyMA9_GblLggiplwEdg
6. ORCID ID	https://www.scopus.com/redirect.uri?url=http://www.orcid.org/0000-0003-0387-6019&au0003-0387-6019&category=orcidLink
7.	http://www.bu.edu.eg/staff/samyaziza1?fbclid=IwAR1goSHcf8-snsXPIWTL6m6BwFQ9c

4. Positions

	Date From - to	Organization	Country	Position	Role
1	2017-present	Faculty Veterinary Medicine- Moshtohor, Benha Univ.	Egypt	Professor of Biochemistry	Teaching Research
2	2014-2017	Faculty Veterinary Medicine- Moshtohor, Benha Univ.	Egypt	Professor of Biochemistry	Head of Biochemistry Dept.
3	2005-2014	Faculty Veterinary Medicine- Moshtohor, Benha Univ.	Egypt	Professor of Biochemistry	Teaching Research
4	2001-2005	Faculty Veterinary Medicine- Moshtohor, Zagazig Univ. Benha branch.	Egypt	Professor of Biochemistry	Head of Biochemistry Dept.
5	Oct.2001-Des.2001	Faculty Veterinary Medicine- Moshtohor, Zagazig Univ. Benha branch.	Egypt	Professor of Biochemistry	Head of Biochemistry Dept.
6	2000-2001	Faculty Veterinary Medicine- Moshtohor, Zagazig Univ. Benha branch.	Egypt	Associate Professor	Head of Biochemistry Dept.
7	1995-2000	Faculty Veterinary Medicine- Moshtohor, Zagazig Univ. Benha branch.	Egypt	Associate Professor	Teaching Research
8	1991-1995	Faculty Veterinary Medicine- Moshtohor, Zagazig Univ. Benha branch.	Egypt	lecturer	Teaching Research
9	1987-1991	Faculty Veterinary Medicine- Moshtohor,	Egypt	Assistant lecturer	Teaching research

		Zagazig Univ. Benha branch.			
10	1984-1987	Faculty Veterinary Medicine- Moshtohor, Zagazig Univ. Benha branch.	Egypt	Demonstrator	Teaching Research

5. Areas of research

- Biochemistry of Cancer (lung cancer , colon cancer, mammary cancer and hepatocarcinogenesis)
- Natural health products, antioxidants and oxidative stress.
- Environmental biochemistry(lead , cadmium, arsenic, mercury and fluoride toxicity and pesticides Pollutions), Iron overload
- Endotoxin and Endotoxemia, mycotoxin.
- Diabetes mellitus, diabetic neuropathy and nephropathy, insulin resistance , acute pancreatitis
- Hypercholesterolemia, Atherosclerosis and hypertension.
- Liver Diseases, liver fibrosis, hepatotoxicity, fatty liver and steatohepatitis.
- Nephrotoxicity.
- Molecular biology, Epigenetic and MiRNA
- Ulcerative colitis and gastric ulcer
- Obesity and Hyperlipidaemia
- Epilepsy
- Nanotechnology and nanoparticles
- Stem cell therapy

5.1. List of Publications (Authors, Title, Journal/Conference name, pages from to, year, link to full paper)

1-[Hussein, S. A.](#); Ibrahim, I.A.; Mohamed, M. I. and El-Dawy Kh. (1992): Serum Lipid profile in Hisex-Brown Chickens in relation to egg production. Egyptian Journal of Applied Science Vol. 7. No. (3) 790-797.

2-[Hussein, S. A.](#); El-Ghannam, A. A.; Omaima, A. Ragab and Abd El-Rahman, H. A. (1992): Blood serum lipids of buffalo-calves drinking well water. Fifth Scientific Conference, Faculty of Veterinary Medicine Assiut University 8-10 November. P. 32-40.

3-Mohamed, A. Youssef and [Hussein, S. A.](#) (1992): Some studies on the correlation between Aflatoxicosis and Hypovitaminosis A in Buffalo-calves. Egyptian Journal of Applied Science Vol. 7, No. (12) 795-809.

4-Mohamed, A. Youssef; [Hussein, S. A.](#) and M. F. M. Fahmy (1992): Clinico-Laboratory changes due to Escherichia coli- induced Diarrhoea in calves. Egyptian Journal of Applied Science Vol. 7, No. (12) 810-827.

5-[Hussein, S. A.](#) and Mohamed, A. Youssef. (1992): Some studies on the Anaemic Syndrome in Egyptian Buffalo-calves. Egyptian Journal of Applied Science Vol. 7, No. (12) 828-841.

6-Hassanien, M. R.; [Hussein, S. A.](#); Eidaroos, A.; Abd El-Rahman, A. A. and Omaima, A. Ragab. (1993): Effect of hormonal administration on some trace elements in blood of infertile Buffalo-cows. The Egyptian Journal of Biochemistry Vol. (11), No. (1) 23-34.

- 7-Abd El-Rahman, H. A.; **Hussein, S. A.** and Omaima A. Ragab (1993): Some Physiological and Biochemical studies on imported Horses. Egyptian Journal of Applied Science Vol. (8), No. (3) 329-335.
- 8-Amer, M. S.; Ibrahim, K. A.; **Hussein, S. A.** and El-Ghannam, A. A. (1993): Effect of dietary contraceptive additives (Anovlar) on performance and serum lipid profile of Broiler chicks. Zagazig Veterinary Journal Vol. (21), No. (5) 893-904.
- 9-**Samy Ali Hussein**; Hassan, A. Abd El-Rahman and Mohamed M. El-Dahrawi (1994): Some Biochemical studies on Humans blood before and after exercise. Zagazig Journal of Medical Physiology Vol. (3), No. (2) 117-122.
- 10-**Samy A. Hussein** and Ahmed A. Abd El-Rahman; Samy M. Zaabel and Sausan A. Abd El-Halim (1994): Hormonal Profile and some minerals in relation to infertility in buffaloes. Benha Medical Journal Vol. (11), No. (2) 353-365.
- 11-Abdel-Alim, A. F.; Amer, M. S.; **Hussein, S. A.** and Waffia H. Abd Allah (1994): Evaluation of the clinical use of erythromycin in Clarias lazera. Zagazig Veterinary Journal Vol. (22), No. (4) 26-32.
- 12-Mohamed M. Karousa; Ibrahim S. Meneeh; Hassan A. Abd El-Rahman and **Samy. A. Hussein** (1994): Effect of ultraviolet rays on Aggressive behavior and hormonal changes in Albino Rats. Zagazig Journal of Medical Physiology, Vol. (3), No. (3) 195-198.
- 13-Ibrahim, I. M.; Al-Nagedan, K. A.; Abdel-Rahman, H. A.; **Hussein, S. A.** and El-Mougy, S. A. (1994): Splenectomy in the Camelus Dromedarius: 3-Erythrocytic Sodium, Potassium, Magnesium, Phosphorus and Calcium Changes. Second Veterinary Medical Congress, Zagazig University. 11-13 October P. 55-61.
- 14-Al-Tuwajjri, S. A.; Al-Nagedan, K. A.; Ibrahim, I. M.; Abdel-Rahman, H. A.; **Hussein, S. A.** and El-Mougy, S. A. (1994): Splenectomy in the Camelus Dromedarius: 4-Postoperative immune Response. Second Veterinary Medical Congress, Zagazig University. 11-13 October P. 62-71.
- 15-Zaabel, S. M.; **Hussein, S. A.**; Sharawy, S. M. and Serur, B. H. (1994): Oestradiol-17 β and Progesterone Profiles in Prepubertal Buffalo-Heifers. Second Veterinary Medical Congress, Zagazig University. 11-13 October P. 385-394.
- 16-El-Sawalhy, A. A.; Abd El-Samea, M. M.; **Hussein, S. A.** and El-Dawy, Kh. (1994): Some clinical and Biochemical studies of experimentally infected calves with Trypanosoma evansi. Alexandria Journal of Veterinary Science Vol. (10), No. (3) 15-21.
- 17-Abd El-Rahim A. El-Ghannam; Mohammed T. Ibrahim; **Samy. A. Hussein**; Mohy A. Abdel-Atty and Zenab D. Ghanem (1995): Biochemical Effect of some lipotropic factors on lipid pattern in blood serum of chickens. Zagazig Journal of Medical Physiology Vol. (4), No. (1) 39-43.
- 18-**Hussein, S. A.**; Nasr, M.T.; El-Azab, A.I. and El- Sabbagh, K.M. (1994): Biochemical analysis of some blood constituents in female buffaloes during late pregnancy and puerperium. Egyptian journal of Biochem. Vol. 13, No. 1, 95 - 104.
- 19-Zaabel, S.M.; **Hussein, S. A.**; Saleh, N. H. and Awad, N. H. (1995): Some endocrine response to hormonal treatment in cases of anestrus in Buffalo-Cows and reproductive performance relationship. Assiut Vet. Med. J. Vol. 4, No.65, 207-216.
- 20-Mohamed, R. Hassanien; Omaima A. Ragab; **Samy A. Hussein** and Fawzy E. Shehata (1995): Biochemical analysis of blood and tissues of rats administered some food preservatives. Zagazig J. Pharm. Sci. Vol. 4, No.1, 278-286.
- 21-Hassanien, M.R.R.; Omaima A. Ragab; **Hussein, S. A.** and Waffaa Abd El-Azeim (1995): Biochemical Changes in some serum constituents in rats exposed to some carcinogenic compounds. Zag. Vet. J. Vol. 23, No. 3, 16-21.

- 22- Hassanien, M. R. R.; **Hussein, S. A.**; Omaima A. Ragab and El-Mahdi El- M. M. (1995): Some biochemical studies on blood and brain tissues of rats at different ages. Zag. Vet. J. Vol. 23, No. 4, 49-57.
- 23-**Hussein, S. A.**(1996): Electrophoretic pattern of serum proteins and immunoglobulin (IgG) levels in chickens in relation to Age. Benha Veterinary Medical Journal Vol. 7, No. (1) 95-107.
- 24-Zaabel, S. M.; Sosa, G. A. M. and **Hussein S. A.**(1997): Comparative treatments of anestrus balady cows using PGF 2α and/or PMSG with special reference to some biochemical changes and consequent fertility . Egyptian Soc. Anim. Reprod. Fert. Ninth Annual Congress, Giza, February 12-14, pp 103-116.
- 25-**Hussein S. A.**; and Azab M. E. (1997) Effect of insulin treatment on some metabolic changes on experimentally induced tumor in female mice. The Egyptian Journal of Biochemistry Vol. 15, No. 1&2 pp. 61-80.
- 26-**Hussein S. A.** and Azab M. E (1998): Plasma concentrations of lipids and lipoproteins in newborn kids and female Baladi goats during late pregnancy and onset of lactation. Dtsch. Tierarztl. Wschr. 105, Heft 1, 6-9.
- 27-Azab, M. E.; **Hussein, S. A.**; and Mahmoud, S. A. (1998): Effect of late pregnancy and onset of lactation on some trace elements and electrophoretic pattern of serum proteins in female Balady goats and their newborns. Alexandria Journal of Veterinary Science, Vol. 14. No. 3, 21-42.
- 28-**Hussein S. A.**; Azab M. E. and Abdel-Maksoud, H. (1999): Metabolic changes concerning the effect of castration on some blood constituents in male rabbits. Dtsch. Tierarztl. Wschr. 106, Heft 3, PP 113-118.
- 29-**Hussein S. A.**; and Azab M. E. (1999): Effects of iodine treated water and different water sources on some biochemical and physiological changes in blood of New Zealand White rabbits. The Egyptian Journal of Biochemistry Vol. 17, No. 1 pp. 165-187.
- 30- Hassanien; M. R. R.; **Hussein S. A.** and Hayat, H. El-Nour (1999): Some biochemical studies during estrous cycle and after synchronization in Barki ewes. The Egyptian Journal of Biochemistry Vol. 17, No. 2: pp. 281-299.
- 31- Azab, M. E.; Zyan, K.A. and **Hussein, S. A.**(2001): Biochemical, immunological and blood haematological changes in thymectomized Japanese Quail vaccinated with Newcastle disease virus. Zag. Vet. J. Vol. 29, No. 1 pp. 61-81.
- 32- Mohamed R. R. Hassanien , Hussein A. Abdel-Maksoud, **Sami A. Hussein,** Omayma, A. R. AboZaid and Kamelia K. El-Haggag(2003): Biochemical Effect Of Antidepressant Drugs On Brain And Liver Enzymes In Rabbits. Benha Med. J. Vol.20, No.3 Sept.2003.pp.857-867
- 33- Abd El-Maksoud, H. A. A, F. E. Shehata, M. R. R. Hassanien, **S. A. H. Aziza,** Omyma, Abo-Zeid, S. M. Gergis and A.D. Helal (2003): Evaluation of some biochemical and immunological studies in rabbits vaccinated with radiated and formalized inactivated pasteurized multocida vaccines. Egypt. J. Agric. Res., 81 (1), 113-125.
- 34- Afaf D. Abd El-Magied, Hussein A.A. Abd El-Maksoud, and **Samy A. Hussein** (2004): Effect of maternal vitamin E + selenium status during the prenatal period in tissues antioxidants of rat puppies and their dams. The 6th National Conference of Biochemistry and Molecular Biology 3-5 October, 2004- Cairo, Egypt, p 143-152.
- 35- **Hussein, S. A.**; Azab, M. E. and Abd El-Maksoud, H. (2004): Effects of garlic oil on certain physiological and biochemical aspects in normal and experimentally induced hyperlipidemia in male albino rats. Egypt.J. Basic and Appl. Physiol., 3 (2):255-272

- 36- **Sami A. Hussein**, Hussein A. Abdel-Maksoud, Mohamed R. Hassanein and Assem E. Sallam (2005): Biochemical effects of aging on some antioxidant defence enzymes in liver, heart and brain of camels. 4th Int. Sci. Conf.Mansoura 5-6 April, pp.1229-1239.
- 37- Mohamed R. R. Hassanein , Hussein A. A. Abdel-Maksoud, **Sami A. H. Aziza**, Omayma, A. R. Abo-Zaid and Mohamed M. F. Hammad (2005): Biochemical Effects of Choline and Carnitine on Lipid Profile of Laying Hens Alex. J.Vet. Med.Sci. Vol. 23 , No.1Apri , pp 151 – 160 .
- 38- **Hussein, S. A.** ; Abd El-Maksoud, H. A. ; Agag B. I. and El-Nile, M. B.(2009): Effect of cadmium toxicity on some biochemical blood parameters and their modulation with certain natural antioxidants in rabbits.Third International Scientific Conference Faculty of Veterinary Medicine, Benha University, 29 Jan. – 1 Feb. 2009 Benha and Ras surd, Egypt, P.338-362.
- 39- Hassanein M. R.; **Hussein, S.A.** and El-Haggag, M.(2009): Membrane fatty acids in normal and experimentally induced diabetes mellitus in rats. Third International Scientific Conference Faculty of Veterinary Medicine, Benha University, 29 Jan. – 1 Feb. 2009 Benha and Ras surd, Egypt,p.363-378
- 40- **Hussein, S.A.** ; Ragab, M. R. and Amira, R.El Barky(2012): Biochemical Effect Of Alpha-Lipoic Acid On Lipid Profiles, Lipid Peroxidation And Status Of Antioxidant Enzymes In Streptozotocin Induced Diabetes In Rats. Benha Vet. Med. J., June , Vol. 23, No. 1, 34-47.
- 41- Mohamed Mohamed Soliman,Omniya M. Abdel-Hamid, Hussein Abdel Maqsood, **Samy Aziza**, Yakut El Sanosi, Omaila Ahmed Ragab (2012): Insulin-mimetic effects of cinnamon extract in Wistar rats. LUCRĂRI ȘTIINȚIFICE SERIA MEDICINĂ VETERINARĂ VOL. 55 (1 – 2), 61-68.
- 42- **Omayma, A. Ragab; Hussein, S.A. and Asmaa, A. Elwakil (2012):Biochemical studying on experimental acute brain stroke.** Benha Vet. Med. J. Vol. 23, No. (2), 200-218.
- 42- **Samy Ali Hussein**, Ahmed Ragab Omayma and Asmaa Elwakil (2012): Biochemical Abnormalities in Brain Tissues during Acute Brain Stroke Induced in Wister Rats. J. M. Sci., 12 (5): 121-130.
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- 43- **Hussein, S.A.** ; **Omayma A.R. Abozaid; Elsenosy, Y. A. and Marzouk, M. A.A. (2012):Biochemical effect of certain antioxidants on oxidative stress and mitochondrial dysfunction in Brain of experimentally induced hepatic failure in Rats"** . Benha Vet. Med. J. Vol. 23, No. (2) 1-12.
- 44- **Hussein, S.A.;** **EL-Senosi, Y.A.;** **Omnia, M. Abd EL-Hamid and BAKR,W.M.T.(2012): Protective Effect Of Vitamin E On Biomarkers Of Oxidative Stress And Inflammatory Response In A Rat Model Of Endotoxemia.** Benha Vet. Med. J. Vol. 23, No. (2) 121-136.
- 45- **Hussein, S.A.;** Omayma, A. Ragab; Abd Elmaksoud, H.; Afaf D. Abd El-Mageid and Alshaimaa, M.S.(2013): Protective effect of Rutin on antioxidant defense system and oxidative stress in Erythrocytes and Brain tissue of Pirimiphos Methyl intoxicated rats. **Benha Vet. Med. J. , Vol.24, No. (1) 172-183.**
- 46- **Hussein, S.A.;** Omayma, A. Ragab; Abd Elmaksoud, H.; Afaf D. Abd El-Mageid and Alshaimaa, M.S. (2013): Antioxidant effect of Thyme on Pirimiphos Methyl induced toxicity in rats. **Benha Vet. Med. J. , Vol.24, No. (1) 184-195.**
- 47- **Hussein, S.A.;** Omayma, A. Ragab; Abd Elmaksoud, H.; Afaf D. Abd El-Mageid and Alshaimaa, M.S. (2013): Ameliorating role of Chlorophyllin on oxidative stress induced by Pirimiphos Methyl in erythrocytes and brain of rats. **Benha Vet. Med. J. , Vol.24, No. (1) 140-151**

- 48- **Hussein S.A., El-senosi Y.A. and Abdul Muttalib, S. (2013):** Biochemical, immunomodulatory and antioxidant properties of levamisol at different storage conditions and administration routes. *Pakistan Journal of Biological Sciences*, 15(20): 986-991.
- 49- **Omayma, A.Ragab; El-sonbaty, S. M.; Aziza, S. A. and Aboelftouh, A. E.(2013):** Effect of Probiotic Fermented Soy Milk and Gamma Radiation on Nitrosourea-Induced Mammary Carcinogenesis. *Nature and Science*;11(11):35-42.
- 50- **Samy Ali Hussein Aziza, Mamdouh EL- Haggag, Omayma Ahmed Abo- Zaid ,Mohammed Ragaa Hassanien and Ragab El-Shawarby (2014):** BIOMARKERS OF OXIDATIVE STRESS OF SCIATIC NERVE TISSUES IN EXPERIMENTAL DIABETIC NEUROPATHY. *Journal of Medical Sciences*.vol.14,No.1, 12-20.
- 51- **Samy Ali Hussein Aziza, Mamdouh EL- Haggag, Omayma Ahmed Abo- Zaid ,Mohammed Ragaa Hassanien and Ragab El-Shawarby (2014):** FATTY ACIDS COMPOSITION ABNORMALITIES OF RATS SCIATIC NERVE IN STREPTOZOTOCIN-INDUCED DIABETIC NEUROPATHY. *Asian Journal of Biochemistry* 9(1): 1-15.
- 52- **Samy Ali Hussein Aziza, Mamdouh EL- Haggag, Omayma Ahmed Abo- Zaid, Mohammed Ragaa Hassanien and Ragab El-Shawarby (2013):** BIOCHEMICAL EFFECT OF ALPHA-LIPOIC ACID AND INSULIN ALONE AND IN COMBINATION ON CHANGES IN THE PHOSPHOLIPID COMPOSITION IN EXPERIMENTAL DIABETIC NEUROPATHY. *Asian Journal of Biological Sciences*, 6: 242-256.
- 53- **Samy Ali Hussein; Abdel-Aal, S.A. and Mady, H.A. (2014):** Chemopreventive effect of curcumin on oxidative stress, antioxidant status, DNA fragmentation and caspase -9 gene expression in 1,2-dimethylhydrazine-induced colon cancer in rats. *American Journal of Biochemistry and Molecular Biology* 4 (1): 22-34.
- 54- **Samy Ali Hussein ; Omnia, M. Abd El-Hamid and HAIDY, S. Hemdan (2014):** Protective Effect Of L-Carnitine On Metabolic Disorders, Oxidative Stress, Antioxidant Status And Inflammation In A Rat Model Of Insulin Resistance. *International Journal of Biological Chemistry*, 8 (1): 21-36.
- 55- **Samy Ali Hussein, Omayma A. Ragab and Mohammed A. El-Eshmawy (2014):** Protective Effect Of Green Tea Extract On Cyclosporine A- Induced Nephrotoxicity In Rats. *Journal of Biological Sciences*, 14 (4): 248-257.
- 56- **Samy Ali Hussein; El-senosi, Y.A. and Marwa, F.Hassan(2014):** GASTRO PROTECTIVE, ANTIAPOPTOTIC AND ANTI-INFLAMMATORY EFFECT OF ALPHA-LIPOIC ACID ON ETHANOL INDUCED GASTRIC MUCOSAL LESIONS IN RATS. *American Journal of Biochemistry and Molecular Biology*, 4(2): 48-63
- 57- **Samy Ali Hussein, Omayma A. Ragab and Mohammed A. El-Eshmawy (2014):** RENOPROTECTIVE EFFECT OF DIETARY FISH OIL ON CYCLOSPORINE A- INDUCED NEPHROTOXICITY IN RATS. *Asian Journal of Biochemistry*, 9(2): 71-85.
- 58- **Hussein, S.A., Azab, M.E. and Soheir El Shall (2014):** PROTECTIVE EFFECT OF CURCUMIN ON ANTIOXIDANT DEFENSE SYSTEM AND OXIDATIVE STRESS IN LIVER TISSUE OF IRON OVERLOADING RATS. *Asian Journal of Clinical Nutrition*, 6(1):1-17.

- 59- **Hussein, S.A.**, Azab, M.E. and Soheir El Shall (2014): AMELIORATING ROLE OF OF RUTIN ON OXIDATIVE STRESS INDUCED BY IRON OVERLOAD IN HEPATIC TISSUE OF RATS. *Pakistan Journal of Biological Sciences*, 17(8): 964-977.
- 60- **Samy Ali Hussein** ; *Omnia, M. Abd El-Hamid and Ahmad M.Sabry Fayed*(2014) protective effects of alpha-lipoic acid and melatonin against cadmium-induced oxidative stress in erythrocytes of rats. *Journal of Pharmacology and Toxicology*, 9: 1-24.
- 61- **Samy Ali Hussein**; *El-senosi, Y.A. and Marwa, F.Hassan*(2013): protective role of alpha-lipoic acid on some biochemical members of ethanol induced gastric mucosal lesions in rats. *Benha Vet. Med. J.* , Vol.24, No. (2):165-176.
- 62- Yakout Abdel Fattah El-Senosi, **Samy Ali Hussein Aziza**, Hussein A. Abd El-Maksoud, Mohammed A. Mohammed Ali(2013): Biochemical Relationship Between Vitamin A Content In Liver And Nutrition State. *Benha Veterinary Medical Journal*, Vol. 25, No. 1:173-182.
- 63- **Hussein, S.A**, Omyma, A. R.Abou zeid., Afaf, D. Abdel-mageid, and Eman, A. Rizk (2014): Protective Effect Of Rutin On Some Biochemical Parameters In A Rat Model Of Endotoxemia. *Benha Veterinary Medical Journal*, Vol. 26, No. 1:191-199.
- 64- **Hussein, S.A**, Omyma, A. R.Abou zeid., Afaf, D. Abdel-mageid, and Eman, A. Rizk (2014): Ameliorating Role Of Curcumin On Oxidative Stress Induced By Endotoxemia In Rats. *Benha Veterinary Medical Journal*, Vol. 26, No. 1:177-185.
- 65- **Hussein, S.A.**, EL-Senosi, Y. A., EL-Dawy, K. and Hind A. Baz (2014): Evaluation of Zinc Oxide Nanoparticles For Insulin, Insulin Receptors And Insulin Receptors Substrates Gene Expression In Streptozotocin-Induced Diabetic Rats. *Benha Veterinary Medical Journal*, Vol. 27, No. 1:166-174.
- 66- **Samy Ali Hussein**¹; *Abdullah E. A. Elhadary*² and *Yasser M. Elgzar*(2014): Biochemical Study On The Protective Effect Of Curcumin On Thioacetamide - Induced Hepatotoxicity In Rats. *Benha Veterinary Medical Journal*, Vol. 27, No. 1:175-185.
- 67- **Samy Ali Hussein**; *Mohamed M. Karousa** and *Maher A. Awadalla*(2014): Gastro Protective, Antiapoptotic And Anti-Inflammatory Effect Of Rutin On Ethanol-Induced Gastritis In Rats. *Benha Veterinary Medical Journal*, Vol. 27, No. 1:192-207.
- 68- **Samy Ali Hussein**; *Omayma A.R. Abou Zaid; Abdel-Maksoud, H.A. and Khadija, A.A. Akasha*(2014): Anti-Inflammatory And Anti-Oxidant Effect Of Rutin On 2, 4, 6-Trinitrobenzene Sulfonic Acid Induced Ulcerative Colitis In Rats. *Benha Veterinary Medical Journal*, Vol. 27, No. 1:208-220.
- 69- **Samy A. Hussein**, Mohammed R.R. Hassanein, Asmaa H. Ali(2014): Protective effects of alpha-lipoic acid against lead-induced oxidative stress in erythrocytes of rats. *BENHA VETERINARY MEDICAL JOURNAL*, VOL. 27, no. 2:382-395.
- 70- **Samy Ali Hussein**, Yakout A.EL-Senosi, Khalifa El-Dawy, Hind A. Baz (2014): Protective effect of zinc oxide nanoparticles on oxidative stress in experimental - induced diabetes in rats. *BENHA VETERINARY MEDICAL JOURNAL*, VOL. 27, NO. 2:405-414.
- 71- **Samy A. Hussein**, Yakout A. El-Senosi, Ghada, H. EL-Sharkawy (2014): Pyruvate attenuate lipid metabolic disorders and insulin resistance in obesity induced in rats. *BENHA VETERINARY MEDICAL JOURNAL*, VOL. 27, NO. 2:317-329.

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Accepted Papers for publication:

- 1-Samy A Hussein, Abd El-Baset E. El-Mashad, Mohamed B. A. El-Nil and Hany M. A. El-Zomar (2021):** Biochemical effects of *Spirulina platensis* and *Moringa oleifera* on chromium toxicity in rats. Accepted for publication in the Arab journal of Laboratory Medicine volume 46, Issue 2, May 2021.
- 2- Samy A. Hussein, Omayma A. R. Abozaid and Rasha A. A. Hashish (2021):** The potential antihypertensive effects and ameliorative role of *Spirulina platensis* and *Moringa oleifera* in Dexamethasone induced Hypertension in rats. Accepted for publication in the current *Science International* Vol. 10, No 3, at 10 July, 2021.

3- A'laa El-Sayed Al-Semelawy, **Samy A. Hussein**, Hussein Abd El-Maksoud, Yakout A. EL-Senosi, Afaf Desoky Abdel Magid (2024): A potential therapeutic impact of Gallic acid in a rat model of hepatocarcinogenesis Through inhibition of cell proliferation and oncogenic miRNA-221 and induction of apoptosis by Nrf-2 /Bcl-2/TGF- β 1 signaling pathways. Accepted for publication in Benha Veterinary Medical Journal volume 46, issue 2 (2024).

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