



# Dr. Kamal Adel Amin

Professor of Biochemistry

## Personal Data

Nationality | Egyptian

Date of Birth | 26/1/1965

Department | Chemistry

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<http://scholar.google.com/citations?user=6TZ1IOEAAAAJ&hl=en&oi=ao>

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ORCID: <http://orcid.org/0000-0003-2487-8427>

ResearcherID: A-3416-2015

## Language Proficiency

Language	Read	Write	Speak
Arabic	Excellent	Excellent	Excellent
English	Excellent	Excellent	Very good

## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
May 1988	Bachelor	Cairo University	Egypt
26/6/ 1993	Master	Biochemistry Dept Vete. Med. Faculty - Suez Canal Univ.	Egypt, Ismailia
18/3/1999	PhD	Biochemistry Dept Vete. Med. Faculty - Suez Canal Univ. (channel system program in Virginia Tech. USA).	Egypt, Ismailia

## PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

<b>PhD</b>	Some biochemical studies in blood of ewes following induction of estrus
<b>Master</b>	Some biochemical changes in blood of Camel during different seasons

## Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
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Professor	Imam Abdulrahman Bin Faisal University, Dept. chemistry, Biochemistry, College of Science, Saudi Arabia	28/8/2012 untill now
Professor	Beni Suef University, Dept. Biochemistry, Fac. Vet. Med. Egypt, Beni Suef	28/8/2011
Assoc. professor	Beni Suef University, Dept. Biochemistry, Fac. Vet. Med. Egypt, Beni Suef	27/4/2005
Ass. Professor	Suez Canal university, Dept. Biochemistry, Fac. Vet. Med. Egypt, Ismailia	29/2/2000
Lecturer	Suez Canal university, Dept. Biochemistry, Fac. Vet. Med. Egypt, Ismailia	9/8/1993
Demonstrator	Suez Canal university, Dept. Biochemistry, Fac. Vet. Med. Egypt, Ismailia	6/4/1992

### Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Head department of biochemistry Fac. Vet. Med., Beni- Suef, University,	Beni Suef university	4/1/2009

### Scientific Achievements

#### Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Al-muzafar MH and Amin KA	Alteration of serum and hepatic trace element level in non-alcoholic fatty liver disease-induced by high-fat sucrose diet	AJSR-ANSI- in press <b>2019</b>
2	Kamal A Amin, Rasha R Ahmed, Walaa G H., Shaimaa S M, Fawziah S Alshehri, Hessah M Al-Muzafar1*	Renoprotective effect of grape seed extract in diabetic nephropathy by attenuating hyperglycemia-facilitated oxidative stress	Int J Clin Exp Med <b>2018</b> ;11(11):12285-12293
3	Al-muzafar MH and Amin KA	Thiazolidinedione induces a therapeutic effect on hepatosteatosis by regulating stearyl-CoA desaturase-1, lipase activity, leptin and resistin	Experimental and therapeutic medicine ( <b>2018</b> ) 16 (4), 2938-2948
4	Amin KA, FS Al-Shehri	Toxicological and safety assessment of tartrazine as a synthetic food additive on health biomarkers: A review	African Journal of Biotechnology ( <b>2018</b> ) 17 (6), 139-149
5	Al-muzafar MH and Amin KA	Efficacy of functional foods mixture in improving hypercholesterolemia, inflammatory and endothelial dysfunction biomarkers-induced by high cholesterol diet	Lipids in Health and Disease <b>2017</b> , 16 (1), 194
6	Al-muzafar MH and Amin KA	Probiotic mixture improves fatty liver disease by virtue of its action on lipid profiles, leptin, and inflammatory biomarkers	BMC Complementary and Alternative Medicine ( <b>2017</b> ) 17:43
7	Amin KA, Rashad R, Hozayen G W, Anter A	Renoprotective and antioxidant effects of silymarin and propolis on diclofenac sodium-induced renal toxicity in rats	In press, IJPAB-2016-2421
8	KA Amin, KS Hashem, FS	Antioxidant and Hepatoprotective Efficiency of Selenium Nanoparticles Against Acetaminophen-Induced Hepatic Damage	Biological Trace Element Research, 1-10, <b>2016</b>



#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
	Alshehri, ST Awad, MS Hassan		
9	KA Amin, HM Al-Muzafar, EAH Abd	Effect of sweetener and flavoring agent on oxidative indices, liver and kidney function levels in rats	Indian j of expetimental biology, 45, 56-63, <b>2016</b>
10	MA Megahed, KMA Hassanin, IMI Youssef, ABA Elfghi, KA Amin	Alterations in plasma lipids, glutathione and homocysteine in relation to dietary copper in rats	Journal of Investigational Biochemistry- <b>2013</b>
11	SR Galaly, WG Hozayen, KA Amin, SM Ramadan	Effects of Orlistat and Herbal Mixture Extract on brain, tests functions and oxidative stress biomarkers in rat model of high fat diet	Beni-Suef Univ. J. of Basic and Applied Sci. <b>2014</b>
12	KA Amin, RG Sana'a, GH Wala'a, MR Shima'a	Effects of Orlistat and Herbal Mixture Extract on Renal Function and Oxidative Stress Biomarkers in a Rat Model of High Fat Diet	International Journal of Biochemistry Research & Review. <b>2014</b>
13	Amin KA, Hashem KS, Al-Muzafar HM, Taha EM.	Oxidative hepatotoxicity effects of monocrotaline and its amelioration by lipoic acid, S-adenosyl methionine and vitamin E	J. Complement Integr Med. 10:1-7. <b>2014</b>
14	Amin KA	Safety of the Neurological and Brain Activities from Oxidative Stress and Metabolic Syndrome Associated with Obesity	Biochem Anal Biochem <b>2013</b> , 2:1
15	Amin KA, Mohamed BM, El-Wakil MA, Ibrahem SO	Impact of breast cancer and combination chemotherapy on oxidative stress, hepatic and cardiac markers.	J Breast Cancer. Sep;15(3):306-12. <b>2012</b>
16	Amin KA, and Hashem KS.	Deltamethrin-induced oxidative stress and biochemical changes in tissues and blood of catfish ( <i>Clarias gariepinus</i> ): antioxidant defense and role of alpha-tocopherol.	BMC Vet Res. 2012 Apr 26; 8(1):45 ( <b>2012</b> )
17	Walaa G. Hozayen, Shaimaa S.	Modulatory Effects of Grape Seed Extract on Brain Neurotransmitters and Oxidative Stress in Alloxan-Diabetic Rats.	Journal of American Science 2012 ;8(12) 234:254. ( <b>2012</b> ).
18	KA Amin, MSHassan, ST Awad, K Hashem	The protective effects of cerium oxide nanoparticles against hepatic oxidative damage induced by onocrotaline.	Int J Nanomedicine 6, 143-149. <b>2011</b>
19	Amin KA, Kamel HH, Abd Eltawab MA.	The relation of high fat diet, metabolic disturbances and brain oxidative dysfunction: modulation by hydroxy citric acid.	Lipids Health Dis. ; 10:74. , <b>2011</b>
20	Amin KA, Kamel HH, Abd Eltawab MA.	Protective effect of Garcinia against renal oxidative stress and biomarkers induced by high fat and sucrose diet.	Lipids in health and disease 10 (1), 1. <b>2011</b>
21	Kandeil MA, Amin KA, Hassanin KA, Ali KM, Mohammed ET	Role of lipoic acid on insulin resistance and leptin in experimentally diabetic rats.	J Diabetes Complications. Jan-Feb;25(1):31-8. Epub <b>2011</b>
22	Kamal A. Amin, Ezzat M. Awad, Mohammed A. Nagy	Effects of Panax quinquefolium on Streptozotocin- induced diabetic rats: role of C- peptide, nitric oxide and oxidative stress	Int J Clin Exp Med,4(2):136-147. <b>2011</b>
23	Amin KA, Abdel Hameid H 2nd, Abd Elsttar AH	Effect of food azo dyes tartrazine and carmoisine on biochemical parameters related to renal, hepatic function and oxidative stress biomarkers in young male rats.	Food Chem Toxicol. Oct;48(10):2994-9. <b>2010</b>

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
24	GM Safwat, S Pisanò, E D'Amore, G Borioni, Amin KA	Induction of non-alcoholic fatty liver disease and insulin resistance by feeding a high-fat diet in rats: does coenzyme Q monomethyl ether have a modulatory effect?)	Nutrition 25 (11), 1157-1168. <b>2009</b>
25	KA Amin, MA Nagy	- Effect of Carnitine and herbal mixture extract on obesity induced by high fat diet in rats	Diabetology & metabolic syndrome 1 (1), 1. 2009
26	KA Amin, A El-Twab	Oxidative markers, nitric oxide and homocysteine alteration in hypercholesterolic rats: role of atorvastatine and cinnamon.	Int J Clin Exp Med 2 (3), 254-265. <b>2009</b>
27	MM Hussein, AA El-Agawany, K Amin	Ovarian activity of she-camel (Camelus dromedarius) in relation to season, hormonal pattern, age and body condition scores	Beni Suef Vet Med J 18, 1-9. <b>2008</b>
28	Hussein, M. M. Amin. K. A, A. F. Abdel-Moghney	Evaluation of Crestar and modified Crestar programs for timed insemination in lactating Egyptian buffaloes (Bubalus bubalis) under intensive production system.	Beni Suef Vet. Med. J., 5TH Scientific. Conference, P. 170-175. <b>2007</b>
29	Ali, K.M.; Abd Allah, S.M.; Kandeil, M.A. and Amin, K.A.	Impact of exogenous glutathione during in vitro maturation, fertilization and development of buffalo oocytes.	5th Sci. Conf. Soc. Physiol. Sci. Their Appl. 1-12, (SPSA), 25-28. <b>(2007)</b> ,
30	Amin, K. A.; Kandeil, M.A. Hasaniien, K.M and Ali, K. M.	Relationship among serum leptin, insulin and triacylglycerol in deit-induced obesity in rats	<b>(2007.)</b> "" j. Egyptian Vet. Med. Assoc. 67, 1, 77-95.
31	El-Dakhly, Kh.M and Amin, K. A.	SOME BIOCHEMICAL STUDIES ON BLOOD OF SHEEP NATURALLY AND EXPERMINTALLY INFECTED WITH Fasciola GIGANTICA	Assiut Vet. Med. J. Vol. 52 No 110. <b>2006.</b>
32	Amin, K. A.; Kandeil, M.A. and Ali, K. M.	Effect of hypothyroidism and hyperthyroidism on lipid profile, glucose, lactate dehydrogenase, liver function and inhibin in rats.	Minufiya Vet. J. 3 (1) 1-20; 3rd Sci. Congr. April <b>(2004)</b>
33	Amin, K. A.:	Effect of water extract of Achillea millefolium and Salix plants on some biochemical parameters in rats.	Beni Suef Vet. Med. J <b>(2004)</b> .
34	Hussein, M. and Amin, K. A.	Changes in immunoglobulins, progesterone, estradiol and antioxidant vitamins associated with postpartum endometritis and retained placenta in cows.	Egyptian Soc. Anim. Reprod. Fer. Sixteenth Annual Congr. 159-184. Aswan 25-29 Jan. <b>(2004)</b>
35	Amin, K. A; Ali, K. M and Yousria A. El-Arnaooty	Effect of induced obesity by different diets on lipid profiles, antioxidant defense, oxidative stress and associated disorders in rats.	Bull. Egypt. Soc. Physiol. Sci. 24 (1) 177-195.- <b>(2004):</b>
36	Kandeil, M. A.; Amin, K. A. and Ali, K. M.	Comparative biochemical studies between retained and non-retained placenta in cow and buffalo.	J. Egypt.Vet. Med. Assoc. 62 (4) 255-264.- <b>(2002):</b>
37	Mahmoud; M.A. Gamal El-Dein, M.A. and Amin, K.A	Proteins and fat contents of the Egyptian edible Marsh Frog, as indicators of nutritional quality.	Suez Canal Vet. Med. J., IV (1) 47-54. <b>(2001):</b>



#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
38	Amin, K. A., Hafez, Y. A., Hussein, M. Rashad, and. Kandeil, M.A	Some biochemical alterations in blood of calves and their dams in relation to different periods of age.	6th Sci. Cong. Egyptian Society for cattle diseases 4-6 Nov. Assiut, Egypt, 20-24. (2001)
39	Ibrahim, A.I; Amin, K. A.; Hafez, Y. A. and Hussein, M. Rashad	- Some biochemical alterations in blood of rabbit administered glucocorticoids (betamethasone) or NSAIDs (meloxicam) drugs.	Suez Canal Vet. Med. J., III (2) 587-597. (2000):
40	Amin K.A and G.S. Lewis	- "Exogenous progesterone and the ovaries modulate the susceptibility of postpartum ewes to uterine infections	J. Anim. Sci. 74 (Suppl. 1) p 215. (1996).

#### Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Deanship of scientific research university of Dammam	Effect of probiotics, herbal mixture extract and pioglitazone on hepatosteatosi s , apoptosis and associated disorders	2015

#### Current Researches

#	Research Title	Name of Investigator(s)
1	Role of some functional foods in maintaining the metabolic disturbances: hypercholesterolemia and oxidative stress	Hessa Almuzafer and kamal A Amin
2	Renoprotective effect of Grape Seed Extract in diabetic nephropathy by attenuating hyperglycemia-facilitated oxidative stress	Kamal A. Amin Walaa G. Hozayen, Shaimaa S. Mahmoud <sup>3</sup> , Rasha R. Ahmed, Fawziah Saleh Alshehri and Hessah Mohammed Al-Muzafar
3	Therapeutic effect of thiazolidinedione on hepatosteatosi s via regulating Stearoyl CoA desaturase, lipase activities and obesity hormone	Hessa Almuzafer and kamal A Amin

#### Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	25th Annual Saudi-Japan Symposium – 2015	KFUPM Research Institute Bldg. 15; 4th Floor, Dhahran, Saudi Arabia, December 7-8, 2015	Attendance
2	World environmental day symposium 2013	Royal commission in Jubail 5th june, 2013	Attendance



#	Conference Title	Place and Date of the Conference	Extent of Contribution
3	3rd international conference in quality assurance in postsecondary education	Sheraton Dammam city KSA. Dammam university	Attendance
4	4th scientific conference of higher education in KSA	Makkah Almukarram 2013	Reviewer for the manuscript
5	6th scientific conference of higher education in KSA	Jeddah 10-13/6/1436	Reviewer for the student research paper
6	first scientific conference of the Faculty of Veterinary Medicine,	Suez Canal University Ismailia	Attendance
7	Sixth Scientific Conference of the Egyptian Society for Cattle Diseases	Assiut University, Assiut	Scientific contribution
8	Third Scientific Conference of the Faculty of Veterinary Medicine, Sadat City - University	Sadat City – University	Scientific contribution
9	Seventh Scientific Conference of the Society of physiological science and its applications	Society of physiological science, Beni suef	Scientific contribution

#### Membership of Scientific and Professional Societies and Organizations

- **Editor** in journal of biochemistry and analytical biochemistry (OMICs) .  
<http://www.omicsonline.org/editorialboardBiochem.php>.
- Leading guest editor for journal of lipids (Dietary Lipids in Health and Disease).  
<https://www.hindawi.com/journals/jl/si/303606/>
- <https://www.hindawi.com/journals/jl/si/303606/cfp/>
- Clinical biochemistry journal, reviewer
- Reviewer for journal of FCT. <http://www.journals.elsevier.com/food-and-chemical-toxicology/>
- Reviewer for journal lipid in health and disease. <http://www.lipidworld.com/content>
- Reviewer for journal of toxicology Elsevier. <http://www.journals.elsevier.com/toxicology/>

#### Teaching Activities

##### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Biochemistry course 1	CHEM 310N	1 lectures/week each semester
2	Biochemistry course 2	CHEM 362N	1 lectures/week each semester
3	Environmental chemistry courses	CHEM 373N	1 lectures/week each 2 <sup>nd</sup> semester
4	Environmental pollution courses	CHEM 271N	1 lectures/week each 2 <sup>nd</sup> semester
5	General chemistry courses	CHEM 101N	1 lectures/week
6	Biochemistry for biology courses	CHEM 319O	1 lectures/week
7	Research project	CHEM 474N-3	1 lectures/week



8	Computer application in chemistry	CHEM 372N	1 lectures/week
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#### Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

1	Chemistry of carbohydrate, lipid, proteins, vitamins, enzymes and hormones (CHEM 310N)
2	Metabolism of carbohydrates, lipids , proteins and nucleic acid (CHEM 362N)
3	Chemistry of , air, land, water(CHEM 373N)
4	Excel application for, Means, standard deviation, T, F, Q test, standard curve (CHEM 372N)

#### Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
	Advanced biochemistry courses	ANPS 700-1	
	Advanced biochemistry courses	EMBR 700-2	
	Biochemistry courses	Bioch	

#### Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	DNA, RNA, structure replication and protein synthesis (ANPS 700-1)
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#### Course Coordination

#	Course Title and Code	Coordination	Co- coordination	Undergrad.	From	to
	Biochemistry course 1, CHEM 310N	Coordination		Undergrad	2014	2015
	Biochemistry course 2 , CHEM 362N	Coordination		Undergrad	2015	2016
	Environmental chemistry courses, CHEM 373N	Coordination		Undergrad	2014	2015
	Environmental pollution courses, CHEM 271N	Coordination		Undergrad	2015	2016

#### Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
1	6th	11	2015	2016
2	6th	10	2016	2017
3	6th	6	2017	2018

#### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
	Master	Biochemical effects of some anti-allergic drugs in rats	Beni Suef University	2007
	Master	Biochemical studies on Catfish in Beni –Suef governorate	Beni Suef University	29/4/ 2007



#	Degree Type	Title	Institution	Date
	Master	Comparative biochemical effect of sibutramine, L-carnitine and mixture of herbal extract on induced obesity in rats	Beni Suef University	2009
		Effect of Some Food Additives on Some Biochemical Parameters in rat Rats	Beni Suef University	
	PhD	Biochemical studies on the relation between hormones related to carbohydrate metabolism and fatty liver in rats"	Beni Suef University	11/3/2009
	Master	Effect of diet induced obesity and its treatment on some biochemical parameters of blood and tissue in rats	Beni Suef University	2006

### Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

#### Committee Membership

#	From	To	Position	Organization
	2014	2016	member	Scientific Research committee in UOD
	2015	2016	member	Saudi chemical journal
	2015	2016	member	Diploma of Lab. Science proram

#### Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Expert in computer programs
2	Statistical analysis program

#### Last Update

..... 1/ 21/2019