



Faculty Profile

Hatem Mustafa Abuohashish	
Position	Assistant professor
College	College of Dentistry
Department	Biomedical Dental Sciences (BDS)
Phone	013-8574928
حاتم مصطفى أبو حشيش	
الوظيفة	أستاذ مساعد
الكلية	طب الأسنان
القسم	علوم الأسنان الطبية الحيوية
الهاتف	013-8574928
Google Scholar Link	https://scholar.google.com/citations?hl=en&user=PitKI3QAAAAJ&view_op=list_works&sortby=pubdate#
Research Gate Link	https://www.researchgate.net/profile/Hatem_Abuohashish
Researcher ID (Web of Science)	A-4563-2015
Scopus Author ID	55221570400
ORCID #	0000-0003-2612-7002
Research Areas of Interest	Pharmacology & Toxicology



IAUDent Biosketch

Dr. Hatem Mustafa Abuohashish

Rank: Assistant professor

Personal Data

Nationality | Egyptian

Department | Biomedical Dental Sciences (BDS)

Official Email | habuohashish@iau.edu.sa

Office Phone No | 013-8574928

Mobile: 00966530021069

Language Proficiency

Language	Read	Write	Speak
Arabic	Fluent	Fluent	Fluent
English	Very good	Very good	Very good
Others	-	-	-

Academic Qualifications (Beginning with most recent)

Date	Academic Degree	Specialty	Place of Issue	Address
August 2017	PhD	Pharmacology & Toxicology	Cairo University	Cairo-Egypt
February 2012	MSc	Pharmacology	King Saud University	Riyadh-Saudi Arabia
May 2007	BSc	Pharmaceutical sciences	Tanta University	Tanta-Egypt

PhD, Master or Fellowship Research Title (Academic Honors or Distinction)

Doctorate	Investigation of Angiotensin (1-7) Pathway Role on Healthy and Osteoporotic Bone Using In-vivo Model of Osteoporosis in Rats
Master	Effects of bupropion and tianeptine on ovariectomy induced osteoporosis in rats
Fellowship	-

Professional Record: (Beginning with most recent)

Job Rank	Specialty/Department	Place and Address of Work	Date
Assistant professor	Pharmacology/BDS	Imam Abdulrahman Bin Faisal University	September 2019-Present
Lecturer	Pharmacology/BDS	Imam Abdulrahman Bin Faisal University	October 2013-September 2019
Researcher	Pharmacology/ Pharmacology & Toxicology	King Saud University	October 2008-June 2013



Board Certification

Certifying Organization	Specialty	Date Certified
scfhs	Specialty pharmacist	April-2012

Administrative Positions Held: (Beginning with most recent)

Administrative Position	Office	Date
NCAAA (standard 4)	College of dentistry	2021
Academic advisor committee	College of dentistry	2020
ACUC	Institutional review board	2019
PTTO college representative	College of dentistry	2020
BDS Research Unit	College of dentistry	2019
Interdisciplinary Programs Committee	Deanship of Postgraduate Studies	Jan 2018
Research Unit	College of dentistry	Dec 2016

SCIENTIFIC ACHIEVEMENTS

PUBLISHED WORKS

Author(s)	Title	Publication	Date
[1]	H Abuohashish , Eman Zaghoul, Amany El Sharkawy, Eman Abbas, Mohammed Ahmed, Salim Al-rejaie. Pharmacological effects of marine-derived Enterococcus faecium EA9 against acute lung injury and inflammation in cecal ligated and punctured septic rats. BioMed Research International. Vol 2021; 5801700.		
[2]	H M Abuohashish , Abdullah F AlAsmari, Mohamed Mohany, Mohammed M Ahmed, Salim S Al-Rejaie. Supplementation of Morin Restores the Altered Bone Histomorphometry in Hyperglycemic Rodents via Regulation of Insulin/IGF-1 Signaling. Nutrients 2021; 13 (7), 2365.		
[3]	H Abuohashish , H Al-Mahalawy, O Zakaria, H Marei, A Abdelhady, M AlKindi, B Al-Jandan. Delayed healing of teeth extraction sockets following vascular endothelial growth factor inhibition by bevacizumab. Journal of oral and maxillofacial surgery 2019;77(10):1975-1981.		
[4]	H.M. Abuohashish , D.A. Khairy, M.M. Abdelsalam, A. Alsayyah, M.M. Ahmed, S.S. Al-Rejaie, In-vivo assessment of the osteo-protective effects of eugenol in alveolar bone tissues, Biomedicine & Pharmacotherapy 97 (2018) 1303-1310.		
[5]	H.M. Abuohashish , M.M. Ahmed, D. Sabry, M.M. Khattab, S.S. Al-Rejaie, Angiotensin (1-7) ameliorates the structural and biochemical alterations of ovariectomy-induced osteoporosis in rats via activation of ACE-2/Mas receptor axis, Sci Rep 7(1) (2017) 2293.		
[6]	H.M. Abuohashish , M.M. Ahmed, D. Sabry, M.M. Khattab, S.S. Al-Rejaie, ACE-2/Ang1-7/Mas cascade mediates ACE inhibitor, captopril, protective effects in estrogen-deficient osteoporotic rats, Biomed Pharmacother 92 (2017) 58-68.		
[7]	H.M. Abuohashish , M.M. Ahmed, D. Sabry, M.M. Khattab, S.S. Al-Rejaie, The ACE-2/Ang1-7/Mas cascade enhances bone structure and metabolism following angiotensin-II type 1 receptor blockade, Eur J Pharmacol 807 (2017) 44-55.		
[8]	H.M. Abuohashish , M.M. Ahmed, S.S. Al-Rejaie, K.E. Eltahir, The antidepressant bupropion exerts alleviating properties in an ovariectomized osteoporotic rat model, Acta Pharmacol Sin 36(2) (2015) 209-20.		
[9]	H.M. Abuohashish , S.S. Al-Rejaie, K.A. Al-Hosaini, M.Y. Parmar, M.M. Ahmed, Alleviating effects of morin against experimentally-induced diabetic osteopenia, Diabetol Metab Syndr 5(1) (2013) 5.		



Other Published Papers

Author(s)	Title	Publication	Date
[1]	O Omar, HM Abuohashish , T Alkhamis, F Al-Qarni. Habitual caffeine intake affects implant osseointegration: An in vivo study. Journal of Periodontal Research.2021; 56 (6), 1070-1078		
[2]	Hala M Elkamash, H M Abuohashish . The Behavior of Patients with Obsessive-Compulsive Disorder in Dental Clinics. International Journal of Dentistry. Vol 2021; 5561690.		
[3]	Marwa Madi, H M Abuohashish , Dina Attia, Norah AlQahtani, Nabras Alrayes, Verica Pavlic, Subraya G Bhat. Association between Periodontal Disease and Comorbidities in Saudi's Eastern Province. BioMed Research International. Vol 2021; 5518195.		
[4]	MM Mahmoud, HM Abuohashish , DA Khairy, AS Bugshan, AM Khan, MM Moothedath. Pathogenesis of dysgeusia in COVID-19 patients: a scoping review. Eur Rev Med Pharmacol Sci. 2021; 25 (2), 1114-1134		
[5]	Ahmed Z. Alanazi, Faleh Alqahtani, Ramzi A. A. Mothana, Mohamed Mohany, Hatem M. Abuohashish , Mohammed M. Ahmed, Salim S. Al-Rejaie. Protective Role of Loranthus regularis against Liver Dysfunction, Inflammation, and Oxidative Stress in Streptozotocin Diabetic Rat Model. Evidence-Based Complementary and Alternative Medicine; 2020;5027986.		
[6]	AlSaad AMS, Alasmari F, Abuohashish HM , Mohany M, Ahmed MM, Al-Rejaie SS. Renin angiotensin system blockage by losartan neutralize hypercholesterolemia-induced inflammatory and oxidative injuries. Redox Rep. 2020;25(1):51-58.		
[7]	M.R. Alotaibi, A.J. Fatani, A.T. Almnaizel, M.M. Ahmed, H.M. Abuohashish , S.S. Al-Rejaie. In-vivo assessment of glibenclamide and losartan combined effects in diabetic rodents. Medical principles and practice 2019;28(2):178-185.		
[8]	B. Al-Jandan, H.F. Marei, H.M. Abuohashish , O. Zakaria, H. Al-Mahalawy, Effects of sunitinib targeted chemotherapy on the osseointegration of titanium implants, Biomed Pharmacother 100 (2018) 433-440.		
[9]	H. Al-Mahalawy, H.M. Abuohashish , S. Chathoth, N. Al-Masoud, B. Al-Jandan, Articaine Versus Lidocaine Concentration in the Palatal Tissues After Supraperiosteal Buccal Infiltration Anesthesia., Journal of oral and maxillofacial surgery 76(2) (2018) 315.e1-315.e7.		
[10]	O.A. Alkhamees, A.S. Alroujaye, H.M. Abuohashish , F.S. Alrojaye, M.M. Ahmed, Possible involvement of the lipoxigenase and leukotriene signaling pathways in cisplatin-mediated renal toxicity, Cancer Chemother Pharmacol 80(1) (2017) 55-64.		
[11]	A.J. Fatani, S.S. Al-Rejaie, M.Y. Parmar, O.M. Ahmed, H.M. Abuohashish , M.M. Ahmed, Lutein attenuates diabetic-induced renal damage via inhibiting oxidative and nitrosative stresses, Progress in Nutrition 19(1) (2017) 57-66.		
[12]	O.A. Alkhamees, A.S. Al-Roujaye, H.M. Abuohashish , M.M. Ahmed, Anti-osteoporotic effects of an antidepressant tianeptine on ovariectomized rats, Biomed Pharmacother 87 (2017) 575-582.		
[13]	A.S. Al-Roujaie, H.M. Abuohashish , M.M. Ahmed, O.A. Alkhamees, Effect of rutin on diabetic-induced erectile dysfunction: Possible involvement of testicular biomarkers in male rats, Andrologia 49(8) (2017).		
[14]	H. Al-Mahalawy, H.F. Marei, H.M. Abuohashish , H. Alhawaj, M. Alrefae, B. Al-Jandan, Effects of cisplatin chemotherapy on the osseointegration of titanium implants, Journal of Cranio-Maxillofacial Surgery 44(4) (2016) 337-346.		
[15]	S.D. AlSharari, S.S. Al-Rejaie, H.M. Abuohashish , M.M. Ahmed, M.M. Hafez, Rutin Attenuates Hepatotoxicity in High-Cholesterol-Diet-Fed Rats., Oxidative medicine and cellular longevity 2016		



(2016) 5436745.

- [16] A.J. Fatani, F.S. Alrojaye, M.Y. Parmar, **H.M. Abuhashish**, M.M. Ahmed, S.S. Al-Rejaie, Myrrh attenuates oxidative and inflammatory processes in acetic acid-induced ulcerative colitis, *Exp Ther Med* 12(2) (2016) 730-738.
- [17] A.J. Fatani, M.Y. Parmar, **H.M. Abuhashish**, M.M. Ahmed, S.S. Al-Rejaie, Protective effect of lutein supplementation on oxidative stress and inflammatory progression in cerebral cortex of streptozotocin-induced diabetes in rats, *Neurochemical Journal* 10(1) (2016) 69-76.
- [18] S.S. Al-Rejaie, A.M. Aleisa, **H.M. Abuhashish**, M.Y. Parmar, M.S. Ola, A.A. Al-Hosaini, M.M. Ahmed, Naringenin neutralises oxidative stress and nerve growth factor discrepancy in experimental diabetic neuropathy, *Neurological Research* 37(10) (2015) 924-933.
- [19] A.J. Fatani, S.S. Al-Rejaie, **H.M. Abuhashish**, A. Al-Assaf, M.Y. Parmar, M.M. Ahmed, Lutein dietary supplementation attenuates streptozotocin-induced testicular damage and oxidative stress in diabetic rats, *BMC Complement Altern Med* 15 (2015) 204.
- [20] A.J. Fatani, K.A. Al-Hosaini, M.M. Ahmed, **H.M. Abuhashish**, M.Y. Parmar, S.S. Al-Rejaie, Carvedilol Attenuates Inflammatory Biomarkers and Oxidative Stress in a Rat Model of Ulcerative Colitis, *Drug Development Research* 76(4) (2015) 204-214.
- [21] M.S. Ola, M.M. Ahmed, R. Ahmad, **H.M. Abuhashish**, S.S. Al-Rejaie, A.S. Alhomida, Neuroprotective Effects of Rutin in Streptozotocin-Induced Diabetic Rat Retina, *J Mol Neurosci* 56(2) (2015) 440-8.
- [22] S.S. Al-Rejaie, **H.M. Abuhashish**, M.M. Ahmed, A.S. Arrejaie, A.M. Aleisa, S.D. AlSharari, Telmisartan inhibits hyperalgesia and inflammatory progression in a diabetic neuropathic pain model of Wistar rats, *Neurosciences (Riyadh)* 20(2) (2015) 115-23.
- [23] A.J. Fatani, S.S. Al-Rejaie, **H.M. Abuhashish**, A. Al-Assaf, M.Y. Parmar, M.S. Ola, M.M. Ahmed, Neuroprotective effects of *Gymnema sylvestre* on streptozotocin-induced diabetic neuropathy in rats, *Exp Ther Med* 9(5) (2015) 1670-1678.
- [24] S.D. AlSharari, S.S. Al-Rejaie, **H.M. Abuhashish**, A.M. Aleisa, M.Y. Parmar, M.M. Ahmed, Ameliorative Potential of Morin in Streptozotocin-Induced Neuropathic Pain in Rats, *Tropical Journal of Pharmaceutical Research* 13(9) (2014) 1429-1436.
- [25] A.M. Aleisa, S.S. Al-Rejaie, **H.M. Abuhashish**, M.S. Ola, M.Y. Parmar, M.M. Ahmed, Pretreatment of *Gymnema sylvestre* revealed the protection against acetic acid-induced ulcerative colitis in rats, *BMC Complement Altern Med* 14 (2014) 49.
- [26] M.S. Ola, A.M. Aleisa, S.S. Al-Rejaie, **H.M. Abuhashish**, M.Y. Parmar, A.S. Alhomida, M.M. Ahmed, Flavonoid, morin inhibits oxidative stress, inflammation and enhances neurotrophic support in the brain of streptozotocin-induced diabetic rats, *Neurol Sci* 35(7) (2014) 1003-8.
- [27] S.S. Al-Rejaie, **H.M. Abuhashish**, M.M. Al-Enazi, A.H. Al-Assaf, M.Y. Parmar, M.M. Ahmed, Protective effect of naringenin on acetic acid-induced ulcerative colitis in rats, *World J Gastroenterol* 19(34) (2013) 5633-44.
- [28] H.M. Korashy, **H.M. Abuhashish**, Z.H. Maayah, The role of aryl hydrocarbon receptor-regulated cytochrome P450 enzymes in glioma, *Curr Pharm Des* 19(40) (2013) 7155-66.
- [29] S.S. Al-Rejaie, A.M. Aleisa, M.M. Sayed-Ahmed, O.A. Al-Shabanah, **H.M. Abuhashish**, M.M. Ahmed, K.A. Al-Hosaini, M.M. Hafez, Protective effect of rutin on the antioxidant genes expression in hypercholesterolemic male Westar rat, *BMC Complement Altern Med* 13 (2013) 136.
- [30] M.S. Ola, M.M. Ahmed, **H.M. Abuhashish**, S.S. Al-Rejaie, A.S. Alhomida, Telmisartan ameliorates neurotrophic support and oxidative stress in the retina of streptozotocin-induced diabetic rats, *Neurochem Res* 38(8) (2013) 1572-9.



- [31] A.M. Aleisa, S.S. Al-Rejaie, **H.M. Abuhashish**, M.M. Ahmed, M.Y. Parmar, Nephro-protective role of morin against experimentally induced diabetic nephropathy, Digest Journal of Nanomaterials and Biostructures 8(1) (2013) 395-401.
- [32] A.M. Aleisa, **H.M. Abuhashish**, M.M. Ahmed, S.S. Al-Rejaie, O.A. Alkhamees, A.S. Alroujaye, Ameliorative effects of rutin and ascorbic acid combination on hypercholesterolemia-induced hepatotoxicity in female rats, African Journal of Pharmacy and Pharmacology 7(6) (2013) 280-288.
- [33] S.S. Al-Rejaie, **H.M. Abuhashish**, M.M. Ahmed, A.M. Aleisa, O. Alkhamees, Possible biochemical effects following inhibition of ethanol-induced gastric mucosa damage by *Gymnema sylvestre* in male Wistar albino rats, Pharm Biol 50(12) (2012) 1542-50.
- [34] S.S. Al-Rejaie, **H.M. Abuhashish**, M.M. Ahmed, A.M. Aleisa, A.S. Alroujaye, O.A. Alkhamees, Immobilization stress-induced oxidative damage and its amelioration with green and black teas, African Journal of Pharmacy and Pharmacology 6(8) (2012) 538-545.
- [35] S.S. Al-Rejaie, **H.M. Abuhashish**, O.A. Alkhamees, A.M. Aleisa, A.S. Alroujaye, Gender difference following high cholesterol diet induced renal injury and the protective role of rutin and ascorbic acid combination in Wistar albino rats, Lipids Health Dis 11 (2012) 41.

Accepted Research Projects

Name of Investigator(s)	Title	Publisher	Date of Publication

Current Research

Name of Investigator(s)	Title
PI	Influence of western dietary habits on skeletal system vascularization including oral bone related disorders.
PI	Sustainable pharmaceutical production line of novel lipolytic topical preparations
Co-PI	Salivary microbial and molecular profiling in patients with or at risk of medication-related osteonecrosis of the jaws (MRONJ)
Supervisor	Caffeine consumption influences lidocaine action via pain-related voltage-gated sodium channels: an in vivo animal study
PI	Effects of chronic caffeine consumption on dental implant osseointegration
PI	Experimental identification of angiogenesis role during orthodontic tooth movement. Emphases on the effects of anti-angiogenesis therapy and Angiotensin 1-7
Co-PI	Evaluation of antifungal effectiveness of grape seeds extract on acrylic bases with candida albicans
Co-PI	Association between periodontal disease and comorbidities in Saudi's patients Eastern province
Co-PI	Identification of Pulpal Ca ²⁺ Sensing Receptor Expression in Saudi Patients Diagnosed With Irreversible Pulpitis. The deanship of scientific research Imam Abdulrahman Bin Faisal University.
Co-PI	Critical size defects healing in rabbits challenged by three anticancer therapeutic medications. The deanship of scientific research at Imam Abdulrahman Bin Faisal University.



Books/Chapters

Name of Investigator(s)	Book Title	Report Date

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

Name of Investigator(s)	Title	Publisher	Date of Publication

Contribution to Scientific Conferences and Symposia (CE Course taken for the last 5 years)

#	Title	Place and Date of the Conference	Extent of Contribution
<u>Selected</u>			
[1]	Hatem M. Abuohashish , Salim S. Al-Rejaie. Angiotensin converting enzyme inhibitors or angiotensin receptors blockers equally enhances skeletal structure via different metabolic influence. The FASEB Journal 33 (1_supplement), 819.14. Experimental Biology-(EB) (April-2019) Orlando, FL, USA.		
[2]	Hatem M. Abuohashish , Mohammed M Ahmed, Salim S. Al-Rejaie, Mahmoud M. Khattab. Angiotensin (1-7)/Mas receptor axis modulate losartan and captopril effects on trabecular and cortical bone micro-architecture and metabolism. World Congress on Osteoporosis, Osteoarthritis and Musculoskeletal Diseases conference (April-2016) Malaga, Spain.		
[3]	Hatem M. Abuohashish , Mohammed M Ahmed, Salim S. Al-Rejaie, Mahmoud M. Khattab. Angiotensin (1-7) Exerts Osteo-protective Effects on Healthy and Osteoporotic Bone. 13th International Conference on Bone and Mineral Research & 15th International Osteoporosis Symposium (April-2015), Beijing, China.		
[4]	S. Al-Rejaie, H. Abuohashish , A. Alroujaye, A. Aleisa, O. Alkhamees. Tianeptine prevent ovariectomy-induced bone loss through inhibition of hypothalamic-pituitary-adrenal (HPA) axis's stress. 1st International Conference of the Saudi Osteoporosis Society, 2012, Riyadh, Saudi Arabia.		
[5]	H. Abuohashish , M. Ahmed, S. Al-Rejaie. Effect of Green Tea on Immobilization-Induced Oxidative Stress in Male Wistar Albino Rats. Saudi pharmaceutical society meeting, 2010, Riyadh, Saudi Arabia.		

Teaching Activities

Undergraduate	6 courses
Post-Graduate	1 course

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Dental pharmacology	Pharm 308	Course director (28 Lecture)
2	Dental clinical pharmacology	Pharm 511	Course director (14 Lecture)
3	Oral medicine-	OMED 501	14 Clinic
4	Pain control & local anesthesia-	OSURG 302	2 Lecture
5	Oral Diagnosis & treatment planning	ODIAG 408	1 Lecture
6	IPE	COMM610	2 Sessions
7	Advanced dental therapeutics	Dther 809	Course director (14 Lecture) PG



CURRENT TEACHING RESPONSIBILITIES

Name of Institution, City, State	Course Title	Discipline and Level of Students	Total Contact hour per Year	
			Didactic	Clinic/ Laboratory
IAU, Dammam	Dental pharmacology	Undergraduate	28	-
IAU, Dammam	Dental clinical pharmacology	Undergraduate	14	-
IAU, Dammam	Oral medicine-	Undergraduate	-	14
IAU, Dammam	Pain control & local anesthesia-	Undergraduate	2	-
IAU, Dammam	Oral Diagnosis & treatment planning	Undergraduate	-	14
IAU, Dammam	IPE	Undergraduate	6	
IAU, Dammam	Advanced dental therapeutics	Postgraduate	14	-

Membership of Scientific and Professional Societies and Organizations, Or Appointments Held In Local, State Or National Dental Or Allied Dental Organizations, Including Appointments To State Boards Of Dentistry And Coda

Name of Organization	Title	From (Year)	To (Year)
American society of pharmacology and experimental therapeutics (ASPET)	member	2019	

Editorial Commitments

Volunteer Work

#	From	To	Type of Volunteer	Organization

Honors and Awards

- 2018 Best researcher award of the year at College of Dentistry, Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia.
- 2016 ESCEO-Eli Lilly scholarship at the World Congress on Osteoporosis, Osteoarthritis and Musculoskeletal Diseases conference, Malaga, Spain.
- 2009 Master degree scholarship from Prince Sultan Bin Abdulaziz international program for distinguished scholarships at King Saud University, Riyadh, Saudi Arabia.