

Amr Amin

Associate Professor
Biology Department, UAE University
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EDUCATION:

B.Sc. and M.Sc., Cairo University, Egypt, (1984, 1989)
Ph.D., University of Illinois at Chicago, USA, (1997)

PROFESSIONAL EXPERIENCE:

- Associate Prof., Biology Department, UAE University, (2004-present)
- Assistant Prof., Biology Department, UAE University, (2000-2004)
- Research Associate, Department of Neuroscience, University of Pennsylvania, USA, (1998-2000)
- Postdoctoral fellow, Department of Neuroscience, University of Pennsylvania, USA, (1997-1998)
- Research Assistant, Dept. of Biological Sciences, University of Illinois at Chicago, USA, (1993-1994).

TEACHING EXPERIENCE:

- Assistant, then Associate Prof., Biology Department, UAE University, UAE (2000-present)
- Supervising 1 Ph.D. thesis at Biology Department, the first that UAEU will offer (2009-present)
- Supervised 3 Master theses, Biology Department, UAE University, UAE (2001-present)
- Coordinator of Basic Biology Course, for Biology & Non-Biology Students, UAEU (2004-present)
- Adjunct Faculty, Institute of Science Education and Science Communication, Columbia College, Chicago, USA (1995-1996)
- Teaching Assistant, Dept of Biological Sciences, University of Illinois at Chicago, USA (1991-1996)

COURSES TAUGHT:

Graduate Courses:

PhD Program

- | | |
|-----------------------------------------|----------|
| 1. PhD thesis supervision | |
| 2. Laboratory Rotation | BIOM 500 |
| 3. Topics in Molecular and Cell Biology | BIOM 505 |
| 4. Research Methods | FOS 501 |

Master Program

- | | |
|-----------------------------------------------|-----------|
| 1. Master theses supervision | ENVR 6112 |
| 2. Master Seminar Course | ENVR 6222 |
| 3. Special Topics in Biology & Agriculture | ENVR 6216 |
| 4. Independent Study in Biology & Agriculture | ENVR 6219 |
| 5. Selected Topics in Environmental Sciences | ENVR 6217 |

6. Independent Study in Biology & Agriculture

ENVR 6111

Undergraduate Courses:

1. Cell Biology I	BIOM 229
2. Cell Biology II	BIOM 482
3. Cell Biology and Genetics Lab	BIOM 373
4. Essence of Cellular & Molecular Biology	BIOM 496
5. Biological Techniques & Instrumentation	BIOL 468
6. CMB Seminar	BIOM 485
7. General Biology Seminar	BIOG 465
8. Basic Biology (teaching & coordinating)	BIOC 100
9. Graduation Research Projects	BIOM 480
10. Practical Training Course	BIOL 4992

DOCTORAL THESIS SUPERVISION: (FIRST PH.D. COHORT AT UAE UNIVERSITY)

- Rokaya El-Kharrage: Applications of nanoparticles in the assessment of therapeutic effects of bioactive molecules in cancer model, **2009**

MASTER THESES SUPERVISION:

- Thuraya Al-Shamsi: The effect of Visfatin and Adiponeckin on metabolic parameters of an animal model of type 2-Diabetes, Started **2006**
- Maraim Al-Shamsi: Preventive Effects of Vitamin C and Vitamin E on Diabetes, Granted **2005**
- Ibrahim Al-Haousani: Establishing a PCR-based database for populations in different areas of UAE, Granted **2005**

FUNDED RESEARCH GRANTS:

Externally-Funded:

1. Iratni, R., **Amin, A.**, Schneider-Stock, R. (**2009-2011**). Microarray screening of anti-proliferative and proapoptotic genes affected by Local Medicinal plants on human cancer cells. EF Grant.
2. **Amin, A.**, Mahmoud-Ghoneim, D., Corr, P. (**2009-2011**). Evaluation of the saffron-based chemoprevention against liver cancer: A novel approach utilizing computed tomography as assessment tool. EF Grant.
3. Mahmoud-Ghoneim, D., **Amin, A.** Greish, Y. A. (**2009-2011**). Texture Analysis Assessment of the Recovery of Osteoporosis Using Bioactive Nano-composites in Animal Model. EF Grant, In review.
4. **Amin, A.**, Abu-Zeid, Y., Meetani, M. (**2009**). Screening the local flora for novel potential anti-cancer and anti-neurodegenerative drug targets. NRF Grant, In review.
5. Mahmoud-Ghoneim, D., **Amin, A.**, Corr, P. (**2009**). Non-invasive Follow-up of bone diseases using Texture Analysis on Computed Tomography Images. NRF Grant, In review.

Internally-Funded:

1. **Amin, A.**, Adeghate, E., Lotfy, M. (**2009**). Algal preventive effects against streptozotocin-induced diabetes in rats: Mechanism of action. College approved.

2. Adeghate, E., **Amin, A.**, Al-Shamsi, T. The effect of Visfatin and Adiponectin on metabolic parameters of an animal Model of type 2 diabetes (Vice chancellor decree # 38/**2008**).
3. **Amin, A.**, Potential of Local Plants to Protect against Drug-induced Liver Fibrosis (UAEU Grant # 01-04-2-11/**2007**).
4. **Amin, A.**, Hamza, W. Examining the protective role of the unicellular green algae (*Chlorella* sp.) against breast cancer (UAEU Grant # 03-04-2-11/**2006**).
5. **Amin, A.**, Adeghate, Ernest and Lotfy, Mohamed. Examining the Anti-Diabetic Protective Effects of a Selected Local Herb in Mammals (UAEU Grant # 03-04-2-11/**2005**).
6. **Amin, A.**, **Eid, A.** (**2009**). Role of cAMP in the adhesion of arteriolar smooth muscle cells: Implications for atherosclerosis. (UAEU Grant # 05-04-2-11/**2009**).
7. **Amin, A.**, Marzouk, S., Mahmoud-Ghoneim, D., Syam, M. (**2009-2011**). Potentiating the platinum-based cancer chemotherapy with herbal extracts: Fertility restoration approach. College Grant.
8. Mahmoud-Ghoneim, D., **Amin, A.** (**2009-2011**). Noninvasive Staging of the Protective Effect of Blue-Green Algae against Liver Fibrosis Using Texture Analysis on Magnetic Resonance Imaging. *Recommended for funding by Research Affairs.*
9. Khasawna, M., Al-Marzouki, A., **Amin, A.** (**2009-2011**). The Isolation and Identification of the Chemical Components of Some UAE Plants and Their Use as Potential Anti Cancer Agents. *Recommended for funding by Research Affairs.*
10. Eid, A., Schneider-Stock, R., **Amin, A.** (**2009-2011**). Molecular Mechanisms Underlying the Inhibitory Role of Cyclic AMP in Colorectal Cancer Malignancy. In review.

AWARDS AND HONORS

- College Award for Excellence in Teaching and Learning (**2008-2009**)
- College Award for Excellence in Scholarship (**2007-2008**)
- [Shoman Award for Young Arab Researchers](#) in Biological and Environmental Sciences (**2006/2007**)
- Postdoctoral Fellowship, Department of Neuroscience, University of Pennsylvania, USA (**1997-2000**)
- Sigma Xi: The Scientific Research Society, Chicago Chapter

PROFESSIONAL AFFILIATIONS:

Active member of:

- *The New York Academy of Sciences (2006-present)*
- *American Association of Cell Biology (2003-present)*
- *American Association for Cancer Research (2003-present)*
- *American Association of Advancement in Science (1997-present)*
- *Genetics Society of America (1998-present)*
- *European Life Scientist Organization (2001-present)*
- *The Science Advisory Board (2005-present)*
- *International Brain Research Organization (2006-present)*

PROFFESIONAL SERVICES:

Regular Reviewer for:

- *Life Sciences,*
- *Food and Chemical Toxicology,*

- *Histology and Histopathology,*
- *Expert Opinion on Drug Delivery,*
- *Methods and Findings in Experimental and Clinical Pharmacology,*
- *Asian Journal of Andrology,*
- *Evidence-based Complementary and Alternative Medicine,*
- *The Open Cancer Journal,*
- *Journal of American College of Nutrition,*
- *American Journal of Pharmacology and Toxicology,*
- *Investigational New Drugs, Pure and Applied Sciences Journal,*
- *Molecular and Cellular Biochemistry*

Member of the editorial board of the following journals:

- *Recent Patents on Anti-Cancer Drug Discovery*
- *American Journal of Pharmacology and Toxicology*
- *American Journal of Agricultural and Biological Science*
- *American Journal of Animal and Veterinary Sciences journal*
- *OnLine Journal of Biological Sciences*
- *The Open Cancer Journal*

LEADERSHIPS:

Department Committees:

1. Coordinator of Scientific Research and Community Services Committee
2. Coordinator of Academic Performance & Teaching Development Committee
3. Member of Library and Academic Books Committee
4. Member of Cultural Activities Committee
5. Member of Research Committee & Modern Teaching Techniques Committee
6. Member of Academic Committee
7. Member of Student Advising Committee (Male students)
8. Member of the Summer Internship Committee
9. Biology Representative at the Center of Continued Education
10. Member of Laptop Project Committee
11. Member of the Organizing Committee of the 4th Biology Day, May 14th, 2006
12. Member of the Organizing committee of the International Conference on Gulf Ecosystems: Future and Threats at UAEU, March 4-6, 2006
13. Member of the Training Team & of the Organizing Committee of the workshop organized by UAEU and Max-Planck Institute for Marine Microbiology (Bremen- Germany) entitled: In situ micro-sensor and molecular techniques, November 12-17, 2005, Al-Ain, UAE
14. Member of the Committee Assigned to establish Biology Animal House
15. Member of the Curriculum Amendment Committee
16. Member of the Faculty Promotion Guidelines Review Committee
17. Member of Two Academic Job Screening Committees
18. Member of Student/Faculty Ratio Study Committee

College Committees:

1. Coordinator of the Academic Development and Assessment Committee

2. Member of the Innovative Teaching and Research Awards Committee
3. Member of the Research Committee
4. Member of the Extra-Curricular Activity Committee
5. Member of Student Activities Committee
6. Member of the Faculty Affairs Committee
7. Member of the Innovative Teaching and Research Awards Committee

University Committees:

1. Member of the University Board of Research and Doctoral Studies
2. Member of the University Academic Development and Assessment Committee

INTERNATIONAL CONFERENCES:

1. Adeghate, E. Alshamsi, T., Hameed, R., **Amin, A. (2010)**. The effect of visfatin and adiponectin on the metabolic parameters of an animal model of Type 2 diabetes. The 3rd International Conference on Advanced Technologies & Treatments for Diabetes, Feb. 10-13, Basel, Switzerland, *Accepted*.
2. Mahmoud-Ghoneim, D., **Amin, A.**, Corr, P. (2010). MRI-based texture analysis as a potential noninvasive approach to assess potential protection against induced-liver fibrosis. BIT Life Sciences' 3rd World Cancer Congress, June 22-25, Singapore EXPO, Singapore. Co-organizer & Invited Speaker.
3. Mahmoud-Ghoneim, D., **Amin, A.**, Corr, P. (2009). Texture analysis as a potential technique to assess protectors against induced-liver fibrosis in rats: application on MRI and microscopic images. Drug Discovery and Selection, July 1-3, Orléans, France.
4. **Amin, A.**, Mahmoud-Ghoneim, D. (2009). *Zizyphus spina-christi* protects against induced-liver fibrosis. Drug Discovery and Selection, July 1-3, Orléans, France.
5. **Amin, A.**, Mahmoud-Ghoneim, D. (2009). Investigating the rule of biomarkers in the automated textural characterization of liver fibrosis. Drug Discovery and Selection, July 1-3, Orléans, France.
6. Mahmoud-Ghoneim, D., **Amin, A.**, Corr, P. (2009). MRI-based texture analysis as a potential noninvasive approach to assess potential protection against induced-liver fibrosis. The 4th Imaging in Pre-Clinical & Clinical Drug Development conference, March 16-17, 2009, San Francisco, USA.
7. Amin, A. (2009). Protective effect of green alga against DMBA-induced breast cancer in rats. The 6th Annual Cancer Drugs Research and Development conference, February 19-20, 2009, Philadelphia, USA.
8. Mahmoud-Ghoneim, D., **Amin, A.**, Corr, P. (2009). MRI-based texture analysis as a potential noninvasive approach to assess potential protection against induced-liver fibrosis. The 2nd International Conference of Biotechnology for Wellness Industries, July 23-26, 2009, Kuala Lumpur, Malaysia.
9. **Amin, A.**, Mahmoud-Ghoneim, D. (2009). *Zizyphus spina-christi* protects against induced-liver fibrosis. The 2nd International Conference of Biotechnology for Wellness Industries, July 23-26, 2009, Kuala Lumpur, Malaysia.
10. Amin, A. (2009). Protective effect of green alage against DMBA-induced breast cancer in rats. BIT Life Sciences' 2nd World Cancer Congress, June 22-25, Beijing, China. Session Chair & Invited Speaker.
11. Mahmoud-Ghoneim, D., **Amin A. (2009)**. Assessing the Ability of Undergraduate Students to Compare and Contrast in Science. March 22-24, Frontiers in Science Education Research: An international conference on science and mathematics education research, Famagusta, Cyprus.

12. **Amin, A. (2008)**. Chlorella protects against DMBA-induced breast cancer in rats. The BIT's World Cancer Congress, June 12-17, Everbright international and exhibition center, Shanghai, China. Invited Speaker.
13. **Amin, A. (2008)**. Chlorella protects against DMBA-induced breast cancer in rats. The 1st International Euro-India Conference on Holistic Medicine: (ICHM-2008): August 21-23, 2008, Kottayam, Kerala, India. Invited Speaker & Session Chair.
14. **Amin, A., Hamza, A. (2008)**. The protective effect of a purified extract of *Withania somnifera* against doxorubicin-induced cardiac toxicity in rats, the 4th Asian Pacific Congress of Heart Failure - Heart Failure in 3D - Drugs, Devices, Diagnostics. Abstract published in: *Heart, Lung and Circulation* 17: S4-S5.
15. **Amin, A., Hamza, A. (2007)**. *Withania somnifera* protects against doxorubicin-induced cardiotoxicity. Annual meeting of the American Association of Advancements of Science, February 15-91, Hilton San Francisco and towers, San Francisco CA, U.S.A.
16. **Amin, A. (2006)**. Protective effects of herbs against breast cancer. The University of Texas Health Science Center at San Antonio, February 2-8, San Antonio TX, USA, Invited Speaker.
17. **Amin, A., Hamza, A., Hamza, W.** Protection against cadmium-induced toxicity: An added value of Arabian Gulf, February 27-28, **2006**, UNESCO-organized workshop on Marine Biotechnology, SQU, Oman, Invited Speaker.
18. **Amin, A. (2005)**. Genetic cross talks during head development in Drosophila. The 46th Annual Drosophila Research Conference, March 30-April 3, 2005, San Diego, CA, U.S.A.
19. **Amin, A., Al-Kaabi, A., Al-Falasi. S. (2004)**. A potential chemopreventive role of a local legume on DMBA-induced breast cancer in rats. The Proceedings of the European Life Scientist Organization Conference, September 4-8, Nice, France.
20. **Amin, A. (March 5-9, 2003)**. Hedgehog interacts with the Notch signaling pathway during head development in Drosophila. The 44th Annual Drosophila Research Conference, Chicago, IL, U.S.A.
21. Al-Shamsi, M., **Amin, A., Adeghate, E. (July 7-8, 2003)**. The effect of Vitamin E on metabolic parameters of experimental diabetes. The Proceeding of the 4th International Symposium on Diabetes Mellitus & its Complications: From Molecular Biology to Clinical Medicine. University of Central Lancashire, Preston, UK.
22. **Amin, A., Li, Y., Finkelstein, R. (1999)**. Hedgehog activates EGF receptor signaling during head development. The 40th Annual Drosophila Conference, Double Tree Hotel, Bellevue, Washington, U.S.A.
23. **Amin, A., Finkelstein, R. (1998)**. The hedgehog pathway activates EGF receptor signaling in Drosophila. Mid-Atlantic Drosophila Meeting, College Park University, Maryland, U.S.A.
24. **Amin, A., Buhse, H.E. Jr. (1996)**. Inhibition of the stalk growth in *Vorticella convallaria* by Brefeldin A and other intracellular transport inhibitors. American Society of Parasitologists. Holiday Inn, Tucson, Arizona, U.S.A.
25. **Amin, A., Buhse, H.E. Jr. (1995)**. Brefeldin A, drug that blocks secretion, inhibits the attachment (settlement) and the stalk formation of the ciliated peritrich, *Vorticella convallaria*. American Microscopical Society Meeting, St. Louis, Missouri, U.S.A.
26. **Amin, A., Buhse, H.E. Jr. (1995)**. Insights on the secretory pathway of stalk components in *Vorticella convallaria*. The 4th Asian Conference on Ciliate Biology and the International Symposium on Cell Motility and Cytogenesis, Waseda University, Japan.
27. **Amin, A., Buhse, H.E. Jr. (1995)**. Insights on the secretory pathway of stalk components in *Vorticella convallaria*. The 48th Annual Meeting of the International Society of Protozoologists. University of Alabama, Tuscaloosa, Alabama, U.S.A.

28. **Amin, A.**, Buhse, H.E. Jr. (1994). Brefeldin A, a drug that blocks secretion, inhibits the attachment (settlement) and the stalk formation of the ciliated peritrich, *Vorticella convallaria*. Illinois State Academy of Sciences Proceedings, IL, U.S.A.

REGIONAL CONFERENCES:

1. **Amin, A.**, Hamza, A., Hamza, W. Protection against cadmium-induced toxicity: An added value of Arabian Gulf, February 27-28, **2006**, UNESCO-organized workshop on Marine Biotechnology, SQU, Oman, Invited Speaker.
2. Al-kaabi, A., **Amin, A.** and Al-Falasi, S. Breast cancer preventive and therapeutic activities of a local medicinal herb (Family: *Leguminosae*). January 25-28, **2004**, The 2nd Scientific Conference for Medical Students in GCC Countries, Al-Ain.
3. Al-Mazrooei, S., Al-Munthari, N., Al-Alkeem, F., Al-Ginidi, A., **Amin, A.** Influence of local herbs on reproductive parameters in parathion-treated male rats. January 25-28, **2004**, The 2nd Scientific Conference for Medical Students in GCC Countries, Al-Ain.

LOCAL CONFERENCES:

1. Mahmoud-Ghoneim, D., **Amin, A.**, Corr, P. (2010). MRI-based texture analysis as a potential noninvasive approach to assess potential protection against induced-liver fibrosis. , January 6-7, Abu Dhabi Genomics and Systems Biology Meeting, NYU Abu Dhabi Institute and NYU Center for Genomics and Systems Biology.
2. Mahmoud-Ghoneim, D., **Amin, A.**, Corr, P. MRI-based texture analysis as a potential noninvasive approach to assess potential protection against induced-liver fibrosis. April 13-16, **2009**, The 10th Annual Research Conference at UAEU.
3. **Amin A.**, Mahmoud-Ghoneim, D. *Zizyphus spina-christi* protects against CCl₄-induced liver fibrosis. April 13-16, **2009**, The 10th Annual Research Conference at UAEU.
4. Mahmoud-Ghoneim, D., **Amin A.** Assessing the Ability of Undergraduate Students to Compare and Contrast in Science. April 13-16, **2009**, The 10th Annual Research Conference at UAEU.
5. Adeghate, E., Al-Shamsi, T., Hameed, R., **Amin A.** The effect of visfatin and adiponectin on the metabolic parameters of an animal model of type 2 diabetes. April 13-16, **2009**, The 10th Annual Research Conference at UAEU.
6. **Amin, A.** Protection against drug-induced damage in mammalian testes. April 23-25, **2007**, The 8th Annual Research Conference at UAEU.
7. **Amin A.** Cell death mediates the herbal protection against cisplatin-induced reproductive toxicity in rats. April 23-25, **2007**, The 8th Annual Research Conference at UAEU.
8. **Amin A.**, Hamza W. Hamza, A. Chlorella Protects against Induced-Breast Cancer in Rats. April 23-25, **2007**, The 8th Annual Research Conference at UAEU.
9. Hamza, A., **Amin, A.** The protective effect of a purified extract of *Withania somnifera* against doxorubicin-induced cardiac toxicity in rats, April 23-25, **2007**, The 8th Annual Research Conference at UAEU.
10. **Amin, A.**, Hamza, A., Daoud, S., Hamza, W. **2006**. Protection against cadmium induced toxicity: An added value of Arabian Gulf. March 4-6, 2006, Gulf Ecosystems: Future and Threats at UAEU.
11. **A. Amin**, M. Lofty, E. Adeghate. The Protective Effect of *Tribulus terrestris* in Diabetes. March 6-9, **2006**, International Conference on Diabetes and Cardiovascular Diseases, FMHS at UAEU.
12. M. Al-Shamsi, **A. Amin**, E. Adeghate. Effect of vitamin C on islet morphology in diabetic rats. March 6-9, **2006**, International Conference on Diabetes and Cardiovascular Diseases, FMHS at UAEU.

13. **A. Amin**, M. Lofty, E. Adeghate. The Protective Effect of *Tribulus terrestris* in Diabetes. April 22-24, **2006**, The 7th Annual Research Conference at UAEU.
14. **A. Amin**, A. Hamza. Effects of Roselle and Ginger on Cisplatin-Induced Reproductive Toxicity in Rats. April 22-24, **2006**, The 7th Annual Research Conference at UAEU.
15. A. Hamza, **A. Amin**. *Apium graveolens* Modulates Sodium Valproate-Induced Reproductive Toxicity in Rats. April 22-24, **2006**, The 7th Annual Research Conference at UAEU.
16. A. Al-kaabi, S. Al-Falasi, S. Al-Mazrooei, N. Al-Munthari, S. Ali, S. Al-khadr, A. Hassan, F. Al-Alkeem, A. Al-Ginidi, **A. Amin**. Breast Cancer Chemopreventive Activity of local medicinal herbs. The UAEU 5th Annual Conference for Scientific Research, Al-Ain, UAE. April 24-27, **2004**.
17. **Amin**, A., Hamza, A. A. Hepatoprotective Effects of Three Herbs on Azathioprine-Induced Hepatic Toxicity in Rats. The UAEU 5th Annual Conference for Scientific Research, Al-Ain, UAE. July 24-28, **2004**.
18. **Amin**, A., Hamza, A. A. (April 24-29, **2005**). Oxidative stress mediates drug-induced hepatotoxicity in rats: A possible role of DNA fragmentation. The UAEU 6th Annual Conference for Scientific Research, Al-Ain, U.A.E.
19. Al-Shamsi, M., **Amin**, A., Adeghate, E. (April 24-29, **2005**). The effect of Vitamin C on metabolic parameters of Experimental Diabetes Mellitus. The UAEU 6th Annual Conference for Scientific Research, Al-Ain, UAE.
20. **Amin**, A., Karima Mohamed, Hanadi Ali, Falwa Ali, Fatima Nasser, Rokaya Mohamed, Shamma Sultan. (April 24-29, **2005**). Protective effects of *Phoenix dactylifera* (date palm) pollen grains against chemotherapeutic-induced infertility in mammals. The UAEU 6th Annual Conference for Scientific Research, Al-Ain, UAE.
21. Al-Hausani, I., Alyan, S., **Amin**, A. Establishing the first DNA profile database at the UAE using STR Loci. The UAEU 6th Annual Conference for Scientific Research, Al-Ain, UAE. April 24-29, **2005**.
22. **A. Amin**. (**2002**). The Dual Effect of *DER* and *Wingless* Signaling Pathways During *Drosophila* Development. The Proceedings of the 3rd Annual Conference for Research, UAEU.

PUBLICATIONS:

Articles Published:

1. **Amin**, A., Mahmoud-Ghoneim, D. (**2009**). *Zizyphus spina-christi* protects against carbon tetrachloride-induced liver fibrosis in rats. *Food and Chemical Toxicology* 47: 2111–2119.
2. Mahmoud-Ghoneim, **Amin**, A., Corr, P. (**2009**). MRI-based texture analysis, a potential technique to assess protectors against induced-liver fibrosis in rats, *Radiology and Oncology* 43(1): 30-40.
3. Mahmoud-Ghoneim, **Amin**, A. (**2009**). Assessing the ability of science undergraduate students to process information in a compare and contrast form. Proceedings of the frontiers in science education research conference: 141-146.
4. **Amin**, A. (**2009**). Protective effect of green algae against 7,12-dimethylbenzanthracene (DMBA)-induced breast cancer in rats, *International Journal of Cancer Research* 5(1): 12-24.
5. **Amin**, A. (**2008**). Ketoconazole-induced testicular damage in rats reduced by *Gentiana* extract, *Experimental and Toxicologic Pathology* 59 (6): 377–384.
6. **Amin**, A., Hamza, A., Kambal, A., Daoud, S. (**2008**). Herbal extracts counteract cisplatin-mediated cell death in rat testis, *Asian Journal of Andrology* 10 (2): 291-297.
7. Hamza, A., **Amin**, A., Sayel Daoud. (**2008**). The protective effect of a purified extract of *Withania somnifera* against doxorubicin-induced cardiac toxicity in rats, *Cell Biology and Toxicology* 24(1): 63-73.

8. **Amin, A. (2008).** Chemopreventive effect of chlorella on the antioxidant system in DMBA-induced oxidative stress in liver, *International Journal of Pharmacology* 4 (3): 169-176.
9. **Amin, A. (2007).** Dose-dependent effect of cobra venom on testes in mice. *Journal of Biological Sciences* 7 (2): 294-299.
10. Al-Akhras, M-A., **Amin, A.**, Mohammad*, K., Al-Haddad*, F., Hamza, A. (2007). In vitro studies on the effect of phototoxicity of a new photosensitizer extracted from flowers and aerial parts of *Cichorium Pumilum*. *American Journal of Pharmacology and Toxicology* 2 (2): 39-45.
11. Al-Akhras, M-A. H., **Amin, A.**, Mohammad*, K., Al-Haddad*, F., Hamza, A. (2007). Sensitization of photohemolysis by a new extract from flowers and aerial parts of *Cichorium Pumilum* Jacq: Effects of inulin and hydrogen peroxide. *American Journal of Pharmacology and Toxicology* 2 (2): 75-79.
12. Hamza, A., **Amin, A. (2007).** *Apium graveolens* modulates Sodium Valproate-induced Reproductive Toxicity in Rats. *Journal of Experimental Zoology Part A-Ecological Genetics & Physiology* 307A: 1-8.
13. Al-Shamsi*, M., **Amin, A.**, Adeghate, E. (2007). The Effect of Vitamin C on the Metabolic Parameters of Experimental Diabetes Mellitus. *American Journal of Pharmacology and Toxicology* 2 (1): 4-9.
14. **Amin, A.**, Lotfy, M., Shafiullah, M., Adeghate, E. (2006). The Protective Effect of *Tribulus Terrestris* in Diabetes. *Annals of the New York Academy of Sciences* 1084: 391-401.
15. Al-Shamsi**, M., **Amin, A.**, Adeghate, E. (2007). The Effect of Vitamin C on the Metabolic Parameters of Experimental Diabetes Mellitus. *American Journal of Pharmacology and Toxicology* 2(1): 4-9.
16. Al Shamsi**, M., **Amin, A.**, Adeghate, E. (2006). Effect of vitamin C on liver and kidney functions in normal and diabetic rats. *Annals of the New York Academy of Sciences* 1084: 371-390.
17. Al Shamsi**, M., **Amin, A.**, Adeghate, E. (2006). Vitamin E ameliorates some biochemical parameters in normal and diabetic rats. *Annals of the New York Academy of Sciences* 1084: 411-431.
18. Al Shamsi**, M., **Amin, A.**, Adeghate, E. (2006). Vitamin E decreases the hyperglucagonaemia of diabetic rats. *Annals of the New York Academy of Sciences* 1084: 432-441.
19. **Amin, A.**, Hamza, A. A. (2006). Effects of Roselle and Ginger on cisplatin-induced reproductive toxicity in rats. *Asian Journal of Andrology* 8 (5): 607-612.
20. Montasser, A., **Amin, A. (2006).** Fine structures of the integument of Argas (Persicargas) persicus (Oken) (Ixodoidea: Argasidae). *Entomologica Fennica* (16): 193-200.
21. **Amin, A.**, Hamza, A., Daoud, S., Hamza, W. (2006). Protection against cadmium induced toxicity: An added value of Arabian Gulf. *American Journal of Pharmacology and Toxicology* 1 (2): 21-25.
22. **Amin, A.**, Al-Falasi*, S., Al-kaabi*, A. (2005). Chemopreventive Activities of *Trigonella foenum graecum* (Fenugreek) against Breast Cancer. *Cell Biology International* 29: 687-694.
23. **Amin, A.**, Hamza, A. A. (2005). Oxidative stress mediates drug-induced hepatotoxicity in rats: A possible role of DNA fragmentation. *Toxicology* 208 (3): 367-375.
24. **Amin, A.**, Hamza, A. A. (2005). Hepatoprotective Effects of Three Herbs on Azathioprine-Induced Hepatic Toxicity in Rats. *Life Sciences* 77: 266-278.
25. Al-Shamsi**, M., **Amin, A.**, Adeghate, E. (2004). The effect of Vitamin E on metabolic parameters of experimental diabetes. *Molecular and Cellular Biochemistry* 261(1): 35-42.
26. **Amin, A. (2004).** Genetic cross-talks during head development in Drosophila. *Journal of Biomedicine and Biotechnology* 4 (1):16-23.
27. **Amin, A. (2003).** EGFR and Wg signaling pathways interact to specify the ocellar pattern in Drosophila. *ACTA Histochemica* 105 (4): 285-293.
28. **Amin, A.**, Finkelstein, R. (2000). Epidermal growth factor receptor activates orthodenticle expression during Drosophila head development. *DNA & Cell Biology*, 19 (11): 631-638.
29. **Amin, A.**, Li, Y., Finkelstein, R. (1999). Identification of a Drosophila prolyl endopeptidase and analysis of its expression. *DNA & Cell Biology*, 18 (8): 605-610.

30. **Amin, A.**, Li, Y., Finkelstein, R. (1999). The hedgehog pathway activates EGF receptor signaling in *Drosophila*. *Development*, 126 (12): 2623-2630.
31. DeBaufer, P.J., **Amin, A.**, Pak, S.C., Buhse, H.E. Jr. (1999). Synchronous induction of large numbers of telotrochs in *Vorticella convallaria* by calcium phosphate at low pH. *Journal of Eukaryotic Microbiology*, 46 (1): 12-16.
32. **Amin, A.**, Buhse, H.E. Jr. (1997). Inhibition of the stalk growth in *Vorticella convallaria* by Brefeldin A and other intracellular transport inhibitors. Proceedings of the 49th Annual Meeting of the Society of Protozoologists, June 11-15, *Journal Eukaryotic Microbiology*, 44 (1). 5A.
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1. **Amin, A.**, Buratovich, M. (2010). The Anti-Cancer Charm of Flavonoids: A Cup-of-Tea Will Do You Good", *Frontiers in Anti-Cancer Drug Discovery*, 1, Pages: x-y, *In press*.

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1. **Amin, A.**, Mahmoud-Ghoneim, D. (2010). Reliability assessment of liver fibrosis biomarkers utilizing texture analysis. *Submitted*.
2. Al-Akhras, M. A. H., Aljarrah, K., Al-Khateeb, H., Jaradat, A., Al-omari, A., Al-Nasser, A., Masadeh, M. M., **Amin, A.**, Hamza, A., Mohammed, K.*, Al Olama, M., Daoud, S. (2010). Introducing *Cichorium Pumilum* as a Potential Photodynamic Therapy against Drug-Induced Benign Breast Tumor in Rats. *Submitted*.

Undergraduate students**, *Graduate students**