

## C.V.

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**Education** :  
1- **B.Sc. In Zoology.** Department of Zoology, Faculty of Science, AinShamsUniversity. 1996.  
2- **M.Sc.** In Zoology, Department of Zoology, Faculty of Science, HelwanUniversity. 1999. Title "Changes in some biochemical parameters in whole body gamma-irradiated albino rats treated with a pharmacological agent".  
3- **Diplomain Molecular Biology.** Córdoba University, Spain**2000**. Title "Defences against oxidative stress in *Escherichia coli*"  
4- **Ph.D.** Physiology from Department of Biochemistry and Molecular Biology (Spain 17/1/2003, Egypt 5/7/2003). Córdoba University, Spain. Title "Role of Transcription Factor (NF-κB) Activation in the Protection by Prostaglandin E<sub>1</sub> from Apoptosis and Necrosis Induced by D-Galactosamine in Primary Culture of Rat Hepatocytes".

### List of publications:

1. El-Habit OH, Saada HN, Azab KS, Abdel-Rahman M, **FouadEl-Malah D** (2000). The modifying effect of beta-carotene on γ- radiation- induced elevation of oxidative reactions and genotoxicity in male rats. *Mutation Research*, 466: 179-186. . (**Impact factor 2.9**).
2. Siendones E, **Fouad D**, ElSaid AMK, Quintero A, Barrera P, Muntané J. (2002) Role of nitric oxide in D-Galactosamine-induced cell death and its protection by PGE<sub>1</sub> in cultured hepatocytes. *Nitric Oxide Biology and Chemistry* 8: 133-143. (**Impact factor 3.38**).
3. Dalia Fouad, Emilio Siendones, Jose Luis Montero, Manuel De la Mata, JordiMuntane, Gonzalo Miño (2002): NF-κB activation is involved on PGE<sub>1</sub> protection against D-galactosamine-induced apoptosis in primary culture of rat hepatocytes. *Journal of Hepatology* Vol. 36, Supplement 1, Page 79 [DOI: PDF](#)
4. **Fouad D**;Montero JL; De la Mata M; et al (2003).Role of the inhibition of NF-kappa B activation during PGE<sub>1</sub> protection against D-galactosamine-induced apoptosis in primary culture of rat hepatocytes. Conference: 38th Annual Meeting of the European-Association-for-the-Study-of-the-Liver, ISTANBUL, MAR 29-APR 01, 2003, Sponsor(s):European Assoc Study Liver. *Journal of Hepatology*, Volume:38Supplement: 2Pages: 94-94[DOI: 10.1016/S0168-8278\(03\)80382-3: PDF](#)

5. Castilla R, Gonzalez R, **Fouad D**, Fraga E, Muntané J (2004) Dual effect of ethanol on cell death in human and rat hepatocytes. *Alcohol and Alcoholism*. 39(4):290-296. **(Impact factor 2.6)**
6. Siendones E, **Fouad D**, Muntané J. (2004) PGE1-Induced NO Reduces Apoptosis by D-Galactosamine Through Attenuation of NF- $\kappa$ B and NOS-2 Expression in Rat Hepatocytes. *Hepatology* 40:(6)1295-1303, **(Impact factor 10.88)**
7. **Fouad D**, Montero JL, De la Mata M, Muntané J. (2004) Role of NF-kappaB activation and nitric oxide expression during PGE protection against d-galactosamine-induced cell death in cultured rat hepatocytes. *Liver Int.* 24(3):227-36. **(Impact factor 3.84).**
8. **Fouad D**, Ataya FS, Muntane J. (2011): Expression of p53 during apoptosis induced by D- galactosamine and the protective role of PGE1 in cultured rat hepatocytes. *Pak. J. Biol. Sci.*: 14(21): 976-983, 2011. **(Impact factor 0.5)** [DOI:10.3923/pjbs.2011.976.983](https://doi.org/10.3923/pjbs.2011.976.983)
9. Sawsan A. Omer, Mai A. Elobeid, **Dalia Fouad**, Maha H. Daghestani, Ebtesam M. Al-Olayan, Maha H. Elamin, Promy Virk, Ameera El-Mahassna (2012) Cadmium Bioaccumulation and Toxicity in Tilapia Fish (*Oreochromis niloticus*). *Journal of Animal and Veterinary Advances*: 11 (10), 1601-1606 **(Impact factor 0.3)**. [DOI:10.3923/javaa.2012.1601.1606](https://doi.org/10.3923/javaa.2012.1601.1606)
10. F.S. Ataya, **Dalia Fouad**, Ajamaluddin Malik, Hesham Mahmoud Saeed (2012) Molecular cloning and 3D structure modeling of APEX1, DNA Base Excision Repair enzyme from the camel, *Camelus dromedarius*. *International Journal of Molecular Sciences*. 13(7), 8578-8596; [doi:10.3390/ijms13078578](https://doi.org/10.3390/ijms13078578) **(Impact factor 2.6)**.
11. Sayed H, **Fouad D**, Ataya FS, Hassan NHA, Fahmy MA (2012). The Protective Role of Selenium and Vitamins A, E, and C Against the Genotoxicity Induced by Sunset Yellow in Male Mice” *Mutation Research* 744(2): 145-153. **(Impact factor 2.9)**, [DOI:10.1016/j.mrgentox.2012.02.003](https://doi.org/10.1016/j.mrgentox.2012.02.003).
12. Farid S. Ataya, **Dalia Fouad**, Ebtsam Al-Olayan, Ajamaluddin Malik. (2012) Molecular cloning, characterization and predicted structure of a putative copper-zinc SOD1 from the camel, *Camelus dromedarius*. *International Journal of Molecular Sciences*. 13: 879-900. **(Impact factor 2.6)** [DOI:10.3390/ijms13010879](https://doi.org/10.3390/ijms13010879)
13. Farid Shokry Ataya, M. Alanazi, **Dalia Fouad**, Hesham Mahmoud Saeed and Mohammad D. Bazzi (2012) Molecular cloning and characterization of a putative OGG\_N domain from the camel, *Camelus dromedarius*. *Afr. J. Biotechnol.* 11(31), 7803-7811 **(Impact factor 0.54)**, [DOI: 10.5897/AJB11.3915](https://doi.org/10.5897/AJB11.3915)
14. Mohamed S. Daoud, Farid S. Ataya, **Dalia Fouad**, Amal Alhazzani, Afaf I. Shehata Aand Abdul Aziz A. AL-Jafary Associations of three lipoprotein lipase gene polymorphisms, lipid profiles and coronary artery disease *Biomedical Reports*, 1: 573-582, 2013. [DOI: 10.3892/br.2013.126](https://doi.org/10.3892/br.2013.126), [PDF](#).
15. Amal A. Hazani, Mohamed M. Ibrahim, Afaf I. Shehata, Gehan A. El-Gaaly, Mohamed Daoud, **Dalia Fouad**, Humaira Rizwana and Nadine M S Moubayed. Ecotoxicity of ag-nanoparticles on two microalgae, *Chlorella vulgaris* and *dunaliellatertiolecta*. *Arch. Biol. Sci., Belgrade*, 65 (4), 1447-1457, 2013. ISSN 0354-4664 [DOI:10.2298/ABS1304447H](https://doi.org/10.2298/ABS1304447H). [PDF](#)
16. **Dalia Fouad**, Hessa Alobaid and Abdulaziz A. Al-Jafary. Effect of melatonin on the oxidative stress induced by the food additive (C.I. Food Yellow 3) on some blood parameters and antioxidant enzymes in male rat kidney *Life Sci J* 2013 **10** (4 ): 343-350 (Impact factor 0.3). ISSN.1097-8135 [PDF](#)
17. Ebtesam M. Al-Olayan, Dina M. Metwally, **Dalia Fouad**, Sawsan A. Omer, Hanan Helmi, Molecular characterization of camel, sheep and

- goat *Echinococcus granulosus* isolates in Riyadh, Saudi Arabia. *Mitteilungen Klosterneuburg Journal*, 2014, 64 (9) 194-212. ISSN: 0007-5922,
18. **Farid S. Ataya**, Abdul Aziz Al-Jafari, Mohamed S. Daoud, Amal Abdulaziz Al-Hazzani, Afaf Ibrahim Shehata, Hesham M. Saeed and Dalia Fouad. Genomics, phylogeny and in silico analysis of mitochondrial glutathione S-transferase-kappa from the camel *Camelus dromedarius*. *Research in Veterinary Science*. 2014, 97 (1): 46–54 (**Impact factor 1.77**) ISSN: 0034-5288 [DOI: 10.1016/j.rvsc.2014.04.004](https://doi.org/10.1016/j.rvsc.2014.04.004)
  19. Al-Hazzani, AA; Daoud, MS; Ataya, FS; **Fouad, D**; Al-Jafari, A. Angiotensin-Converting Enzyme Gene Insertion/Deletion Polymorphism in Coronary Artery Disease in the Saudi Population, *Mitteilungen Klosterneuburg Journal*, 2014, 64 (9) 74-85. ISSN: 0007-5922,
  20. Al-Hazzani, AA; Daoud, MS; Ataya, FS; **Fouad, D**; Al-Jafari, A. Renin-angiotensin system gene polymorphisms among Saudi patients with coronary artery disease. *Journal of Biological Research-Thessaloniki*. 2014. 21 (8):1-9. ISSN: 1790-045X (**Impact factor 0.62**) [doi:10.1186/2241-5793-21-8](https://doi.org/10.1186/2241-5793-21-8)
  21. **Dalia Fouad**. Antioxidant and Cytoprotective Effect of Melatonin on Hepatotoxicity and Oxidative Stress induced by Orange Yellow S in Male Rats. *Pakistan Journal of Zoology*. 2015. 47 (2) 383-391 (**Impact factor 0.5**).
  22. **Dalia Fouad**. Molecular Modeling and Phylogeny of the Manganese Superoxide Dismutase from the Camel, *Camelus dromedarius*. *Pakistan Journal of Zoology*. 2015. 47 (4) 1015-1023 (Impact factor 0.5).
  23. Malik A, **Fouad D**, Labrou NE, Al-Senaidy AM, Ismael MA, Saeed HM, **Ataya FS**. Structural and thermodynamic properties of mitochondrial kappa class glutathione transferase from the *Camelus dromedarius*. *International Journal of Biological Macromolecules*. 2016, 88: 313-319 (**Impact factor 3.0**) ISSN: 0141-8130. [doi:10.1016/j.ijbiomac.2016.03.065](https://doi.org/10.1016/j.ijbiomac.2016.03.065)
  24. Ataya FS, **Fouad D**, Malik A, Labrou NE, Saeed HM, Cloning, expression and molecular characterization of glutathione transferase P1-1 from the camel *Camelus dromedarius*. *Pakistan Journal of Zoology*. 2016, (Impact factor 0.5) ISSN: 0030-9923 (in press).
  25. Anti-apoptotic and Anti-inflammatory Effects of Olive Leaf Extract Against Cisplatin-induced Nephrotoxicity in Male Rats. *International Journal of Pharmacology*, 12(7): 675-688, 2016.
  26. Biochemical Characterization of the Detoxifying Enzyme Glutathione Transferase P1-1 from the Camel *Camelus Dromedarius*. *Cell Biochem Biophys*, 74:1-14, 2016.

#### **Published books or chapter in books:**

- 1- Ataya FS, **Fouad D** (2005). *Biochemistry*. AlRoshd Publisher, Riyadh, KSA
- 2- **Fouad D**, Ataya FS (2005). *Endocrine Glands*, AlRoshd Publisher, Riyadh, KSA

#### **Communications to Conferences**

1. **Dalia Fouad**, Farid S. Ataya. Molecular studies on the camel's urate oxidase and its applications. 5<sup>th</sup> International Conference on Biotechnology for the wellness industry Malaysia, Jun 10-11, 2014.

2. Farid S. Ataya, **Dalia Fouad**. Molecular cloning, characterization and predicted structure of SOD2 enzyme from camel, *Camelus dromedarius*. 5<sup>th</sup> International Conference on Biotechnology for the wellness industry Malaysia, Jun 10-11, 2014.
3. Mohamed S. Daoud, Abdulaziz A. Al-Jafari, Farid S. Ataya, **Dalia Fouad**. Renin-Angiotensin-Aldosterone system gene polymorphisms among Saudi patients with Coronary artery disease. The 29<sup>th</sup> meeting of the Saudi Biological Society. Dammam, Saudi Arabia, Feb 25-27, 2014.
4. **Farid S. Ataya**, Abdul Aziz Al-Jafari, Mohamed S. Daoud and **Dalia Fouad** (2014) Molecular Cloning and in silico bioinformatics analysis of mitochondrial glutathione S-transferase-kappa from the camel *Camelus dromedarius*. The 29<sup>th</sup> meeting of the Saudi Biological Society. Dammam, Saudi Arabia, Feb 25-27, 2014.
5. **Fouad D**, Ataya FS, Al Obaid H (2013): The effect of melatonin on the oxidative stress induced by food colorant additives on some blood parameters and antioxidant defense system in the kidney of male rats. The 28<sup>th</sup> meeting of the Saudi Biological Society. Hael, Saudi Arabia, April 9-11, 2013. (Awarded the best work, Poster)
6. Ataya FS, **Fouad D** (2012): Molecular Cloning, Characterization and Predicted Structure of a Putative Copper-Zinc SOD1 from the Camel, *Camelus dromedarius*. The 27<sup>th</sup> meeting of the Saudi Biological Society. Jazan, Saudi Arabia, March 6-8, 2012. (Awarded the best work, Poster)
7. **Fouad D**, Ataya FS, Hessa Al Obaid (2012): The Modifying Effect of Melatonin on the Cytotoxicity Induced by Sunset Yellow in Male Rats. The 27<sup>th</sup> meeting of the Saudi Biological Society. Jazan, Saudi Arabia, March 6-8, 2012.
8. **Fouad D**, Ataya FS, Jordi Muntané (2011): Expression of p53 during apoptosis induced by D-galactosamine and the protective role of PGE1 in cultured rat hepatocytes. The 26<sup>th</sup> meeting of the Saudi Biological Society. Al Taif, Saudi Arabia, May 10-12, 2011.
9. **Fouad D**, Montero JL, De la Mata M, **Muntané J**. (2003) Papel de la inhibición de la activación de NF- $\kappa$ B durante la protección por PGE1 de la apoptosis inducida por D-galactosamina en un cultivo primario de hepatocitos de rata. Gastroenterología y Hepatología, 2003; 26:84, XXVIII Congreso Annual de la Asociación Española para el Estudio del Hígado, Barcelona, Spain, 27 de Feb- 1 de Marzo de 2003.
10. Siendones E, **Fouad D**, Said AMK, Montero JL, De la Mata M, **Muntané J**. (2002) Role of nitric oxide on the induction of cell death by D-galactosamine and its protection by PGE1 in primary culture of rat hepatocytes. The Liver Meeting 53<sup>rd</sup> Annual Meeting. Boston, USA. November 1-5, 2002. Hepatology Vol. 36 (4): p325A.
11. Siendones E, **Fouad D**, Said AMK, Montero JL, De la Mata M, **Muntané J**. (2002) Papel del óxido nítrico en la inducción de muerte celular por D-Galactosamina y su protección por PGE1 en el cultivo primario de hepatocitos de rata. VII Reunión del Grupo Español de Radicales Libres y III Reunión Iberoamericana. Cáceres, Spain September 26-28, 2002.
12. Siendones E, El Said AMK, **Fouad D**, Montero JL, De la Mata M, **Muntané J**. (2002) Role of nitric oxide on the induction of cell death by D-galactosamina and its protection by PGE1 in primary culture of rat hepatocytes. 2<sup>nd</sup> International Conference Biology, Chemistry and Therapeutic Applications of Nitric Oxide (NO 2002). Prague, Czech Republic, June 16-20, 2002.
13. **Fouad D**, Siendones E, Montero JL, De la Mata M, **Muntané J**, Miño G. (2002) NF- $\kappa$ B activation is involved on PGE1 protection against D-galactosamine-induced apoptosis in primary culture of rat hepatocytes. 37<sup>th</sup> Annual Meeting of the European

- Association for the Study of the Liver. Madrid, Spain, April 18-21, 2002. J Hepatology 36: p 79.
14. Siendones E, Kamal A, **Fouad D**, Montero JL, De LA Mata M, **Muntané J**. Miño G (2002). Efecto del oxido nítrico en la inducción de muerte celular por D-galactoramina y su protección por PGE1 en un cultivo primario de hepatocitos de rata. XXVII Congreso Nacional de la Asociación Española para el estudio del hígado, Madrid, Spain, February 21-23, 2002.
  15. **Fouad D**, Siendones E, **Muntané J**. (2001) Estudios de las afecciones agudas del aparato digestivo (CTS 0273). I Jornada de Divulgación de la Investigación en Biología Molecular, Celular y Biotecnología, Córdoba, Spain, December 14-15, 2001.
  16. **Fouad D** (2001). Avances en gastroenterología y Hepatología Reunión conmemorativa del XXV aniversario del servicio-unidad clínica de aparato digestivo. Córdoba, Spain, May 10-11, 2001.

#### **Employment History and positions occupied:**

- Lecturer at Dept. of Zoology, Faculty of Science, Helwan University, Cairo, Egypt.
- Dean of AlNuayriyah College of Science and Arts, King Faisal University, KSA (2004-2009).
- Chairman of the department of Chemistry, Al Nuayriyah College of Science and Arts, KingFaisalUniversity, KSA (2003-2004).
- Assistant Professor of Physiology, department of Chemistry, Al Nuayriyah College of Science and Arts, King Faisal University, KSA (2002-2009).
- Assistant Professor of Physiology, department of Zoology, College of Science, KingSaudUniversity, KSA (2009-to date).
- Coordinator of Scientific Research committee Al Nuayriyah College of Science and Arts, KingFaisalUniversity, KSA (2007-2009).
- Member of Central committee of Protection from Chemicals Hazards and Pollution (subcommittee of storing chemicals).
- Member of Academic Accreditation of Zoology Department, College of Science, KingSaudUniversity, KSA.
- Member of Postgraduate Studies Committee, Zoology Department, College of Science, KingSaudUniversity, KSA.
- Member of Scientific Research Committee, Zoology Department, College of Science, KingSaudUniversity, KSA.

#### **Participation in Investigation Projects**

- 1- **Project in collaboration with DrAtaya FS, Department of Biochemistry, College of Science King Saud University, KSA.** Title "Cloning and characterization of camel's detoxification enzymes, GSTth, GSTpi and GSTomega". Financed by King AbdulAziz City of Science and Technology (KACST) 2013.
- 2- **Project in collaboration with DrAtaya FS, Department of Biochemistry, College of Science King Saud University, KSA.** Title " Biochemical studies on the DNA repairing enzymes in camel. Financed by King AbdulAziz City of Science and Technology (KACST) 2009-2010.
- 3- **Project in the Digestive System Research Unit, Hospital Reina Sofia-CajaSur, University of Córdoba Spain.** Title "Implicaciones del oxido nítrico y TNF- $\alpha$  en la

apoptosis inducida por una lesión hepatocelular aguda y su protección por la PGE1. Financed by Fondo de Investigaciones Sanitarias (FIS) 97/1300 y por el Servicio Andaluz de Salud (SAS) 96/131.

**Grants:**

- 1- **Research Grant in the Digestive System Research Unit**, Financed by Hospital Reina Sofía-CajaSur, University of Córdoba Spain.
- 2- **PhD Grant** Financed by Agencia Española de Cooperación Internacional (MAE-AECI-ICMA) Córdoba University, Ministry of Foreign Affairs, Spain (1999-2002).
- 3- **MSc Grant** Financed by Ministry of Higher Education, Egypt. Helwan University (1996-1999).

**Membership in Scientific Societies:**

1. European Association for the Study of the Liver (EASL)
2. Egyptian Society of Biochemistry and Molecular Biology, Cairo, Egypt
3. German Egyptian Society of Animal Science, Cairo, Egypt
4. The Union of Arab Biologist, Cairo, Egypt
5. The Saudi Biological Society, Riyadh, Saudi Arabia
6. Saudi Scientific Society of Blood and Marrow Transplantation