

## C.V.

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**Education** :

- 1- **B.Sc. In Zoology.** Department of Zoology, Faculty of Science, Ain Shams University. 1996.
- 2- **M.Sc.** In Zoology, Department of Zoology, Faculty of Science, Helwan University. 1999. Title "Changes in some biochemical parameters in whole body gamma-irradiated albino rats treated with a pharmacological agent".
- 3- **Diploma in 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  $\gamma$ - radiation- induced elevation of oxidative reactions and genotoxicity in male rats. *Mutation Research*, 466: 179-186. . (**Impact factor 2.107**).
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 3.371**).
3. **Dalia Fouad**, Emilio Siendones, Jose Luis Montero, Manuel De la Mata, JordiMuntane,

Gonzalo Miño (2002): NF-kB activation is involved on PGE1 protection against Dgalactosamine-induced apoptosis in primary culture of rat hepatocytes. *Journal of Hepatology* Vol. 36, Supplement 1, Page 79 (**Impact factor 18.946**).

4. **Fouad D**;Montero JL; De la Mata M; et al (2003).Role of the inhibition of NF-kappa B activation during PGE1 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:38  
Supplement: 2Pages: 94-94 (**Impact factor 18.946**).[DOI: 10.1016/S01688278\(03\)80382-3](https://doi.org/10.1016/S01688278(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 2.777)**.
6. Siendones E, **Fouad D**, Muntané J. (2004) PGE1-Induced NO Reduces Apoptosis by DGalactosamine Through Attenuation of NF- $\kappa$ B and NOS-2 Expression in Rat Hepatocytes.*Hepatology* 40:(6)1295-1303, (**Impact factor 14.971**)
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 5.542**).
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. [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. AlOlayan, 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 0.365**).  
[DOI:10.3923/javaa.2012.1601.1606](https://doi.org/10.3923/javaa.2012.1601.1606)
10. F.S. Ataya, **Dalia Fouad**, Ajmaluddin 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 4.183**).

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 2.107**),  
[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 4.183**) [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 0.573**), [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-JafaryAssociations of three lipoprotein lipase gene polymorphisms, lipid profiles and coronary artery disease. *Biomedical Reports*, 1: 573582, 2013. [DOI: 10.3892/br.2013.126](https://doi.org/10.3892/br.2013.126), [PDF](#).
15. **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](#)
16. Farid S. Ataya, Abdul Aziz Al-Jafari, Moham ed S. Daoud, Amal Abdulaziz AlHazzani, 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 1.751**) ISSN: 0034-5288 [DOI: 10.1016/j.rvsc.2014.04.004](https://doi.org/10.1016/j.rvsc.2014.04.004)
17. 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 2.364**) [doi:10.1186/2241-5793-21-8](https://doi.org/10.1186/2241-5793-21-8)
18. **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 0.79**).

19. **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 0.79**).
20. Malik A, **Fouad D**, Labrou NE, Al-SenaidyAM, 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 4.784**) ISSN: 0141-8130. [PDF](#). [doi:10.1016/j.ijbiomac.2016.03.065](https://doi.org/10.1016/j.ijbiomac.2016.03.065)
21. Bader A and **Fouad D**. 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. (**Impact Factor 0.754**)
22. F. Perperopoulou, F. S. Ataya, D. **Fouad**, A. Malik, H M. Saeed, NE. Labrou. Biochemical characterization of the detoxifying enzyme glutathione transferase P1-1 from the camel *Camelus dromedarius*. *Cell Biochem Biophys*. 2016, 74 (4):459–472 (**Impact factor 2.323**) ISSN 1085-9195. [PDF](#), [doi:10.1007/s12013-016-0761-6](https://doi.org/10.1007/s12013-016-0761-6)
23. Farid S. Ataya, **Dalia Fouad**, Ajmaluddin Malik, Nikolaos E. Labrou, Mohamed S. Daoud Hesham M. Saeed, Cloning, expression and molecular characterization of glutathione transferase P1-1 from the camel *Camelus dromedarius*. *Pakistan Journal of Zoology*. 2017, 49: 2279-2289 (**Impact factor 0.79**), ISSN: 0030-9923, [DOI](#): <http://dx.doi.org/10.17582/journal.pjz/2017.49.6.2279.2289> Accession Number: WOS:000424964600042
24. Abdel-Gaber R, **Fouad D**, Ataya FS, Morsy K, Maher S. Morphological identification and molecular characterization of 18S rDNA of two hemiurid trematodes (Lecithocladium cristatum Rudolphi, 1819 and Lecithocladium parviovum Yamaguti, 1953) infecting the greater lizardfish *Saurida tumbil* (Pisces: Synodontidae) inhabiting the Red Sea. *Gene*, , 2019, 683: 243-252 (**Impact factor 2.4, Q3**), ISSN: 0378-1119. [doi:10.1016/j.gene.2018.10.041](#)
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26. R. Abdel-Gaber, F. Ataya, **D. Fouad**, M. Daoud, S. Alzuhairy. Prevalence, morphological and molecular phylogenetic analyses of the rabbit pinworm, *Passalurus ambiguus*

- Rudolphi 1819, in the domestic rabbits *Oryctolagus cuniculus*. . *Acta Parasitologica*. 2019: 64(2):316-330. (**Impact factor. 1.1, Q4**), ISSN: 1230-2821. <https://doi.org/10.2478/s11686-019-00047-7>.
27. **D. Fouad**, H. Alhatem, R. Abdel-Gaber, F. Ataya. Hepatotoxicity and renal toxicity induced by gamma-radiation and the modulatory protective effect of *Ficus carica* in male albino rats. *Res. Vet. Sci.* 2019, 125: 24-35 . (**Impact Factor 1.751**). <https://doi.org/10.1016/j.rvsc.2019.05.010>
28. **Dalia Fouad**; Eman Al-Obaidi; Amira Badr; Farid Ataya; Rewaida Abdel-Gaber. Modulatory effect of *Ficus carica* on oxidative stress and hematological changes induced by gamma-radiation in male albino rats. accepted for publication in *Biologia*. 2020, **75**:1313–1324, ISSN: 0006-3088 (Print) 1336-9563 (Online) [DOI : 10.2478/s11756-019-00375-z](https://doi.org/10.2478/s11756-019-00375-z).
29. **Dalia Fouad**, Amira Badr, Hala Attia. Hepatoprotective activity of raspberry ketone is mediated via inhibition of the NF-kB/TNF- $\alpha$ /caspase axis and mitochondrial apoptosis in chemically induced acute liver injury. *Toxicology Research*. 2019, 8, 663–676 | [DOI: 10.1039/c9tx0068b](https://doi.org/10.1039/c9tx0068b) (**Impact factor 1.593**)
30. Amira Badr , **Dalia Fouad**, and Hala Attia. Insights into Protective Mechanisms of Dandelion Leaf Extract Against Cisplatin-Induced Nephrotoxicity in Rats: Role of Inhibitory Effect on Inflammatory and Apoptotic Pathways. *Dose Response – International Journal*. 2019, 1-11. <https://doi.org/10.1177/1559325819874897> (**Impact factor 2.451**).
31. Farid S. Ataya, **Dalia Fouad**, Hamza Huntoul, Saad Alqarni, Abuelgassim O. Abuelgassim, Hesham El Enshasy. Cloning and molecular study of *Aspergillus niger* uric acid oxidase in *Escherichia coli*. *Journal of Scientific & Industrial Research* ., 87: 890-895. (**Impact factor. 0.73, Q4**), ISSN: 0022-4456, E-ISSN 9751-084. <http://nopr.niscair.res.in/handle/123456789/52209>,
32. P.Virk, N.A.Al-mukhaizeem, S.HamadBinMorebah, D.Fouad, M.Elobeid.(2020) Protective Effect of Resveratrol Against Toxicity Induced by the Mycotoxin, Zearalenone in a Rat Model . Food and Chemical Toxicology. 2020, 146:111840. <https://doi.org/10.1016/j.fct.2020.111840>
33. Dalia Fouad, Asma Hajla, **Farid S. Ataya** and Ebtsam Al-Olayan. Haematological, Physiological, Histopathological, and Immunological Effects of Pinworm (*Aspiculuris tetraptera*) Infection in Laboratory Mice. *Journal of Biological Sciences*. 2021, 21 (1): 10-18, [DOI: 10.3923/jbs.2021.10.18](https://doi.org/10.3923/jbs.2021.10.18)

34. Irene Botros, Dalia Fouad. (2021) *Ophioptaenia tessellata* sp. n. (Eucestoda: Proteocephalinae) from *Natrix tessellata* (Laurenti, 1768) (Serpentes: Colubridae) in Egypt. Pakistan Journal of Zoology, 2022: 1-19.
35. Dalia Fouad, Esraa Shuker, Manal Farhood (2022) Renal toxicity of methylprednisolone in male Wistar rats and the potential protective effect by boldine supplementation. Journal King Saud University Science.2022
36. Promy Virk, Sarah Turif Abdulhadi Alajmi, Manal Awad, Mai Elobeid, Khalid M.O. Ortashi, Atheer Mohammed Asiri, Nada M. Merghani, Dalia Fouad(2022). Attenuating effect of Indian mustard (*Brassica juncea*) seed and its nano formulation on arsenic induced-oxid. Journal of King Saud University – Science 2022, 34: 102134 2
37. Dalia Fouad, Amani Riyadh, Esraa Shuker, Mai Elobeid , Promy Virk (2022) Potential protective effect of bromelain and pineapple extract on gamma irradiated female rats: a study of oxidative stress, apoptosis, and hormonal changes. Journal of Food and Nutrition Research
38. Shuker E, Farhood M, Al-Qudaihi G, Fouad D(2022)Potential Effects of Boldine on Oxidative Stress, Apoptosis, and Inflammatory Changes Induced by the Methylprednisolone Hepatotoxicity in Male Wistar Rats. Dose Response an international journal 2022.(20): 1-16
39. Abuelgassim, Batool ALshabib , Dalia Fouad(2022) Effect of Ferulic Acid on Cholesterol Synthesis, Serum Lipids and Hepatotoxicity in Atherogenic Rats. Indian Journal of Pharmaceutical Sciences 2022(84):341-347.
40. Promy Virk, sara Ahmed, Dalia Fouad (2023) Attenuating Effect of Spirulina (*Arthrospira platensis*) against Di (2-ethylhexyl) Phthalate Induced Toxicity in Wistar Rat. Environmental Pollutants and Bioavailability (accepted)
41. Fatimah Al-Shammari, Muath AL-Ghadi, Dalia Fouad (2023). Detrimental effects of selenium nanoparticles on growth and development of mice embryos in vitro. Life (submitted)

**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. Samerah Al Saleh, Dalia Fouad, Mohamed AlBalwi, Faisal Alsafi, AbdulmohsenAlkushi, Ibrahim Al Abdulkareem. 1<sup>st</sup> Oncology Research Day, Validation of Microsatellite Instability in endometrial carcinoma in Saudi Arabia Women,Saudi Arabia, 8 may 2016.
2. 1<sup>st</sup>Annual research Conference “Animal models in infectious diseases” organized by Epigenetics Core Laboratory at the Heinrich-Heine University. Germany 1215/6/2015.
3. **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.
4. 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.
5. Mohamed S. Daoud, Abdulaziz A. Al-Jafari, Farid S. Ataya,**DaliaFouad**.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.
6. **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.
7. **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, April9-11, 2013. (**Awarded the best work, Poster**)
8. 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**)

9. **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.
10. **Fouad D**,Ataya FS, Jordi Muntane (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. AITaif, Saudi Arabia, May10-12, 2011.
11. **Fouad D**, Montero JL, De la Mata M, **Muntané J.** (2003) Papel de la inhibicion de la activación de NF-kB durante la protección por PGE1 de la apoptosis inducida por Dgalactosamina 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.
12. 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.
13. 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.
14. Siendones E, ElSaid 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.
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16. 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.

17. **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.
18. **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.