

Saud A. A. Alarifi

Nationality: Saudi

Academic Position: Professor of Cell and Molecular Biology.

Current Address: King Saud University,

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Saudi Arabia,

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Academic Degrees: B. Sc.:

King Saud University College: Science

Department: Zoology University Location: Riyadh, Saudi Arabia

Ph. D.:

University of Essex

Department: Biological Science

University Location:

Essex, United Kingdom.

Date of Obtaining Degree: 2000

Title of Ph.D. Dissertation:

Analysis of the Nuclear Localization of Poly (ADP-ribose) polymerase and Poly (ADP-ribose) Using Confocal Laser Scanning Microscopy.

Job summary:

Period	Job held	Department	Employer
2014- present	Full professor	Zoology	King Saud University
2006- 2014	Associate Professor	Zoology	King Saud University
2000- 2006	Assistant Professor	Zoology	King Saud University

Scholarships, Awards and Grants:

- ❖ Awarded second class Honors for Bachelor in Science from King Saud University. Riyadh (1988).
- ❖ Scholarship from Saudi Basic Industries Corporation (SABIC) to investigate the effect of sodium arsenite on the cytotoxicity and genotoxicity and the possible role of the synthetic antioxidant butylated hydroxytoluene. 2004.
- ❖ Scholarship from King Abdulaziz City for Science and Technology to investigate the role of the synthetic antioxidant butylated hydroxytoluene and the demethylating agent 5-azacytidine on the apoptogenic and genotoxic effects of two arsenic compounds. 2005.

- ❖ Scholarship from Center of Excellence in Biotechnology Research to investigate Hepatitis B and C, 2010-2012, (300,00 US\$).
- ❖ Research Grant, The National Plan for Science, Technology and Innovation, Saudi Arabia. Title (The role of Rho family GTPases in Human Cytomegalovirus (HCMV) infection and pathogenesis). 2012-2014, (510,000 US\$).
- ❖ Research Grant, The National Plan for Science, Technology and Innovation, Saudi Arabia. Title (Role of the novel oncogene KDM2B in the epigenetic regulation of the cytoskeleton), 2015-2017, (514,000 US\$).
- ❖ Research Grant, Deanship of Scientific Research. 2011-present (280,000 US\$).

Conferences, workshops and Symposia:

A) Conferences:

1. The 11th International Conference of the Egyptian German Society of Zoology. Egypt 2001.
2. The Second Saudi Science Conference. King Abdulaziz University, Jeddah, Saudi Arabia, 2004.
3. Conference of University-Private sector Partnership in Research Developments, King Saud University, Riyadh, Saudi Arabia.
4. The 8th International Conference in human genome. Taiwan, China, 2006.
5. The First International Conference on Biotechnology, Riyadh, 2009.
6. International conference in Bioinformatics and Biomedical technology, China, 2010 (presented a paper).
7. The 5th International conference in biotechnology, Egypt, 2010 (presented a paper).
8. International Conference on Biology, Environment and Chemistry, Hong Kong , 2010.
9. The Asian Congress on Biotechnology, China, 2011, (presented a paper).
10. The 6th International Conference on Genomics, Shenzhen, 2011 (presented a paper).
11. The European Society of Toxicology in Vitro 2012 International Conference, ESTIV2012 (presented a paper).
12. The XXXIV International Conference on Environmental, Biological and Ecological Sciences, and Engineering, Rio de Janeiro, 2013 (Presented a paper).
13. The XIII International congress of toxicology 2013, Seoul, Korea, (Presented a paper).
14. 49th Congress of the European Societies of Toxicology, Interlaken, Switzerland, 2013 (presented a paper).

15. The Thirteenth Asia-Pacific Bioinformatics Conference, Shanghai, China, 2014 (Presented a paper).
16. International Conference on Biological and Chemical Sciences, Shanghai, China, 2014 (presented a paper).
17. Chemical biology conference, Heidelberg, Germany, 2014, (Presented a paper).
18. The 9th World Congress of the World Society for Pediatric Infectious Diseases, Rio de Janeiro, Brazil, November 18-21, 2015.
19. 2015 International Congress on Chemical, Biological and Environmental Sciences Kyoto, Japan 2015 (Presented a paper).
20. International Conference on Engineering and Applied Sciences, Hokkaido, Japan July 20-22, 2015 (presented a paper).
21. The Society for General Microbiology Annual Conference, Birmingham, UK, 2015 (presented a paper).

B) Workshops:

1. Workshop in Nano Technology and its applications. King Abdulaziz City for Science and Technology, 2006.
2. Workshop in Biotechnology. King Saud University, 2007.
3. Workshop in Nano Research at Universities. King Saud University, 2007.
4. Organizing the first Workshop for Center of Excellence in King Saud University. King Saud University, Riyadh, 2008.
5. Organizing DNA Research Chair Workshop at King Saud University, Riyadh, 2009.
6. Organizing a training course in PCR technology at King Saud University, Riyadh, 2010.
7. Presented a talk at the centre of nanotechnology, King Abdul-Aziz University, 2014.
8. Presented a talk at the centre of nanotechnology, King Abdul-Aziz University, 2015.

C) Symposia:

1. Cell and Molecular Biology Society in Essex U.K. 1998.
2. Cell and Molecular Biology Society in Essex U.K. 1999.

3. Symposium on "Higher Education", Riyadh, Saudi Arabia, 2002.
4. Symposium on "What means to be a university professor", Riyadh, Saudi Arabia, 2008.
5. Organizing a training course in polymer Chain Reaction (PCR), King Saud University, Riyadh, 2010.

Teaching experience:

Since I obtained my Ph.D. I have been involved in teaching the following courses:

	Course title	Course level
1	General zoology	Undergraduate course
2	General Biology for pre-med students	Undergraduate course
3	General cell biology	Undergraduate course
4	Histology	Undergraduate course
5	Cell and Molecular Biology	Graduate course
6	Advanced Cell and Molecular Biology	Graduate course
7	Advanced Molecular Genetics	Graduate course

Administrative duties:

1. Member of the Departmental Laboratory, Technicians and Animal House Committee, from 2001 till now.
2. Member of the Departmental security and safety Committee, from 2004 till now.
3. Member of the Departmental Cell Biology, Genetics and Histology Group, from 2000 till now.
4. Member of the educational and social Committee in the Dep. Of Zoology, since 2000-2005.
5. Member of The Departmental Museums and Scientific Exhibitions Committee for two years, from 2003-2005.
6. Member of the Departmental Central lab. Committee from 2005-2009.
7. Member of the Departmental Celebrating the 50th Anniversary of King Saud University, 2006.
8. Member of the Research Chairs Committee from 2006-2008.
9. Deputy supervisor of the Centre of Excellence Program at King Saud University from 2007-2013.
10. Member of the Zoology Departmental Board since 2000 until now.

11. Secretary of Departmental Board during the Academic year 2000.
12. Member of the Excellence Centre of Science and Mathematics Education 2008-2013.
13. Member of Molecular Biology Program at King Saud University, College of Science since 2011 till now.
14. Member of Biotechnology Program at King Saud University, College of Science since 2011-2014.
15. Head advisory committee of graduate student scientific affairs at Zoology department since 2016 till now.

University and Community Service:

1. Participated in teaching Radiological Diagnosis and Medical Laboratory students. College of Applied Studies, second semester, 2001/2002.
2. Participated in teaching the Biology Course at the Medical College; the course was sponsored by the Ministry of Health, King Fahad Medical Centre, second semester, 2005.
3. Member of the Research Chairs Committee from 2006-2008.
4. Deputy supervisor of the Centre of Excellence Program at King Saud University from 2007-2013.
- 5- Involved in judging many high school projects around the kingdom.
- 6- I am a volunteer in the scientific committee at King Abdul-Aziz and His Companions Foundations For Giftedness and creativity.
- 7- Helped many high school students in their projects to compete nationally and internationally.
- 8- Organizing the first Workshop for Centre of Excellence in King Saud University. King Saud University, Riyadh, 2008.
- 9- Organizing DNA Research Chair Workshop at king Saud University for Public, Riyadh.
- 10- Organizing a training course in PCR technology at King Saud University for university students.
- 11- I am a volunteer in a Saudi cancer society for helping cancer patients.
12. Member of the Examination Committee for M. Sc. thesis titled "Genotoxicity and Apoptosis Induced by Cadmium and The Possible Protective Role of The Synthetic Antioxidant Butylated Hydroxytoluene", 2003.

13. Member of the Examination Committee for M. Sc. Titled " Effect of Antioxidation and Hypomethylation on Genotoxicity and Cytotoxicity of Arsenic Trioxide *in vivo* Somatic Cells of Mice", 2005.
14. Member of the Examination Committee for M. Sc. Thesis Titled "Adaptive Response to Ionizing Radiation and The Role of Vitamin B₁₂ in Amelioration Radiation Protection Standard", 2006.
15. Member of the Examination Committee for Ph.D. thesis Titled "Effect of DNA methylation State on the Genotoxicity and Programmed Cell Death Induced in Mice by Arsenic" 2006.
16. Member of the Examination Committee for Ph.D. thesis Titled "Assessment of Chromosomal Radiosensitivity to Gamma Rays Among Saudis and Its Application in High Radiation Background Areas", 2007.
- 17- Member of the Examination Committee for M. Sc. thesis titled "Toxicity Induced by the Antibiotic Gentamicin in Rats and the Combined Protective Role of Vitamin" E" and Selenium: A Light and Electron Microscopic Study", 2008.
- 18- Member of the Examination Committee for M. Sc. thesis titled " Molecular Characters of Selected Dysmorphia Cases in Saudi Arabia by Using Molecular Karyotyping and Microarray Techniques", 2009.
- 19 - Member of the Examination Committee for M. Sc. thesis titled "Biological and Anticancer effect of some extracts of microorganism isolated from Saudi habitat on Zebrafish, *Danio rerio*, and some cancer cell lines. 2010.
- 20- Member of the Examination Committee for M. Sc. thesis titled "Can lead exposure cessation normalize histological and histochemical alterations induced in the liver and kidneys of *Columba livia*?" 2011.
- 21- Supervisor and member of the Examination Committee for PhD thesis titled "Histochemical alterations induced by lead in the live and kidney of male rats *Rattus norvegicus* and the protective role of ascorbic acid (Vitamin C). 2012.
- 22- Supervisor and member of the Examination Committee for M. Sc. thesis titled "Cytogenetic studies on the amplification status of c-myc,HER-2/neu and p53 genes in |Saudi hepatocellular carcinoma (HCC) patients infected With Hepatitis B and C viruses. 2013.
- 23- Supervisor and member of the Examination Committee for PhD. Thesis titled "Histological, histochemical and ultrastructural alterations in male albino rats treated with therapeutic doses of Atrovastatin (Lipitor) and Rosuvastatin (Crestor) drugs. 2013.
24. Academic advisor of undergraduate students.
25. Academic advisor of graduate students, 4 master students and 2 PhD students.

26. Supervised a number of students' research projects, Zoology Department.

Publications:

- Saud Alarifi, Daoud Ali, Saad Alkahtani, Rafa S. Almeer: *ROS-Mediated Apoptosis and Genotoxicity Induced by Palladium Nanoparticles in Human Skin Malignant Melanoma Cells*. *Oxidative medicine and cellular longevity* 07/2017; 2017(11, article e0143801):1-10., DOI:10.1155/2017/8439098
- Saud Alarifi, huma Ali, Saad Alkahtani, Mohammed S Alessia: *Regulation of apoptosis through bcl-2/bax proteins expression and DNA damage by nano-sized gadolinium oxide*. *International Journal of Nanomedicine* 06/2017; Volume 12:4541-4551., DOI:10.2147/IJN.S139326
- Saud Alarifi, Daoud Ali, Saad Alkahtani: *Oxidative Stress-Induced DNA Damage by Manganese Dioxide Nanoparticles in Human Neuronal Cells*. *BioMed Research International* 05/2017; 2017(11)., DOI:10.1155/2017/5478790
- Daoud Ali, Huma Ali, Saud Alarifi, Ali Al-Amer, P. G. Kumar, Sudhir Kumar, Agha P. Masih, Saad Alkahtani, Abdullah A. Alkahtane, S. A. Hussain: *Genotoxicity in the freshwater gastropod Lymnaea luteola L: assessment of cell type sensitivities to lead nitrate*. *Chemistry and Ecology* 01/2017; 33(2):1-9., DOI:10.1080/02757540.2016.1275587
- Willi Yu, Sabina Honisch, Sebastian Schmidt, Jing Yan, Evi Schmid, Saad Alkahtani, Abdullah A. AlKahtane, Saud Alarifi, Christos Stournaras, Florian Lang: *Chorein Sensitive Orai1 Expression and Store Operated Ca²⁺ Entry in Rhabdomyosarcoma Cells*. *Cellular Physiology and Biochemistry* 12/2016; 40(5):1141-1152., DOI:10.1159/000453168
- Mashael R. Al-Anazi, SabineMatou-Nasri, Ayman A. Abdo, FaisalM. Sanai, Saad Alkahtani, Saud Alarifi, Abdullah A. Alkahtane, Hamad Al-Yahya, Daoud Ali, Mohammed S. Alessia, Bushra Alshahrani, Mohammed N. Al-Ahdal, Ahmed A. Al-Qahtani: *Association of Toll-Like Receptor 3 Single-Nucleotide Polymorphisms and Hepatitis C Virus Infection*. *Journal of Immunology Research* 11/2016; 2017(2)., DOI:10.1155/2017/1590653
- Mashael R. Al-Anazi, Nyla-Nazir, Ayman A. Abdo, Faisal M. Sanai, Saad Alkahtani, Saud Alarifi, Abdullah A. Alkahtane, Hamad Al-Yahya, Daoud Ali, Mohammed S. Alessia, Mohammed N. Al-Ahdal, Ahmed A. Al-Qahtani: *Genetic Variations of NOD2 and MD2 genes in hepatitis B virus infection*. *Saudi Journal of Biological Sciences* 11/2016;., DOI:10.1016/j.sjbs.2016.11.010
- Saud Alarifi, Daoud Ali, Saad Alkahtani: *Involvement of mitochondrial dysfunction in nanosized lead oxide induced cellular damage in human lung alveolar epithelial cells*. *Toxicological and Environmental Chemistry* 10/2016;., DOI:10.1080/02772248.2016.1234177

- Daoud Ali, Huma Ali, Saud Alarifi, Agha P Masih, S Manohardas, S A Hussain: *ECOTOXIC EFFICACY OF NANO-SIZED MAGNESIUM OXIDE IN FRESHWATER SNAIL RADIX LEUTEOLA L.* Fresenius Environmental Bulletin 06/2016;
- Saud Alarifi, Daoud Ali, Mohammed A Al Gurabi, Saad Alkahtani: *Determination of nephrotoxicity and genotoxic potential of silver nanoparticles in Swiss albino mice.* Toxicological and Environmental Chemistry 05/2016; 99(2):1-8., DOI:10.1080/02772248.2016.1175153
- Saud Alarifi, Daoud Ali, Saad Alkahtani: *Mechanistic investigation of toxicity of chromium oxide nanoparticles in murine fibrosarcoma cells.* International Journal of Nanomedicine 03/2016; 11(default):1253., DOI:10.2147/IJN.S99995
- Abul Fajol, Sabina Honisch, Bingbing Zhang, Sebastian Schmidt, Saad Alkahtani, Saud Alarifi, Florian Lang, Christos Stournaras, Michael Föller: *Fibroblast growth factor (Fgf) 23 gene transcription depends on actin cytoskeleton reorganization.* FEBS letters 02/2016; DOI:10.1002/1873-3468.12096
- Saud Alarifi, Daoud Ali, Widad M Al-Bishri: *In vitro apoptotic and DNA damaging potential of nanobarium oxide.* International Journal of Nanomedicine 01/2016; 2016(Issue 1).
- Quaiser Saquib, Maqsood A. Siddiqui, Javed Ahmed, Abdullah Al-Salim, Sabiha M. Ansari, Mohammad Faisal, Abdulaziz A. Al-Khedhairi, Javed Musarrat, Hend A. AlWathnani, Abdulrahman A. Alatar, Saud A Al-Arifi: *Hazards of low dose flame-retardants (BDE-47 and BDE-32): Influence on transcriptome regulation and cell death in human liver cells.* Journal of hazardous materials 01/2016; 308., DOI:10.1016/j.jhazmat.2016.01.025
- Saud Alarifi, Daoud Ali, Widad M Al-bishri: *In vitro apoptotic and DNA damaging potential of nanobarium oxide.* International Journal of Nanomedicine 01/2016; 11:249., DOI:10.2147/IJN.S95734
- Melpomeni Tseliou, Ahmed Al-Qahtani, Saud Alarifi, Saad H. Alkahtani, Christos Stournaras, George Sourvinos: *The Role of RhoA, RhoB and RhoC GTPases in Cell Morphology, Proliferation and Migration in Human Cytomegalovirus (HCMV) Infected Glioblastoma Cells.* Cellular Physiology and Biochemistry 01/2016; 38(1):94-109., DOI:10.1159/000438612
- Sabina Honisch, Birgit Fehrenbacher, Aleksandra Lebedeva, Ioana Alesutan, Tatsiana Castor, Saad Alkahtani, Saud Alarifi, Martin Schaller, Christos Stournaras, Florian Lang: *Chorein Sensitive Dopamine Release from Pheochromocytoma (PC12) Cells.* Neurosignals 12/2015; 23(1):1-10., DOI:10.1159/000442599
- Ahmed Ali Al-Qahtani, Muhammad Mubin, Fahad N. Almajhdi, Saud Alarifi, Damian M. Dela Cruz, Muhammad Shah Nawaz ul Rehman, Mahmoud Moussa Ismail, Nisar Ahmed, Mohamed H. Al-Blowi, Hanif Khalak, Mohammed N. Al-Ahdal: *Characterization of H5N1 influenza A virus that caused the first highly pathogenic avian influenza outbreak in Saudi Arabia.* 11/2015; 9(11)., DOI:10.3855/jidc.6546
- Nektaria Goulidaki, Saud Alarifi, Saad H Alkahtani, Ahmed Al-Qahtani, Demetrios A Spandidos, Christos Stournaras, George Sourvinos: *RhoB is a component of the*

human cytomegalovirus assembly complex and is required for efficient viral production. Cell cycle (Georgetown, Tex.) 06/2015; 14(17)., DOI:10.1080/15384101.2015.1066535

Huma Ali, Savita Dixit, Daoud Ali, Saeed M Alqahtani, Saad Alkahtani, Saud Alarifi: *Isolation and evaluation of anticancer efficacy of stigmasterol in a mouse model of DMBA-induced skin carcinoma.* Drug Design, Development and Therapy 05/2015; 9(default)., DOI:10.2147/DDDT.S83514

Saud Alarifi, Daoud Daoud Ali, S aad Alkahtani: *Nanoalumina induces apoptosis by impairing antioxidant enzyme systems in human hepatocarcinoma cells.* International Journal of Nanomedicine 05/2015; 20(5):3751–3760., DOI:10.2147/IJN.S82050

Saud Alarifi, Daoud Ali: *Mechanisms of Multi-walled Carbon Nanotubes-Induced Oxidative Stress and Genotoxicity in Mouse Fibroblast Cells.* International Journal of Toxicology 05/2015; 34(3)., DOI:10.1177/1091581815584799

Daoud Ali, Huma Ali, Saud Alarif, Sudhir Kumar, M. Serajuddin, Agha P. Mashih, Mukhtar Ahmed, Mujeeb Khan, Syed Farooq Adi, M. R. Shaik, Anees A. Ansari: *Impairment of DNA in a Freshwater Gastropod (Lymnea luteola L.) After Exposure to Titanium Dioxide Nanoparticles.* Archives of Environmental Contamination and Toxicology 02/2015; 68:543-552., DOI:10.1007/s00244-015-0132-0

Al Omar Suliman Y, Daoud Ali, Saud Alarifi, Abdul Halim Harrath, Lamjed Mansour, Saleh Hamad Alwasel: *Evaluation of Cytotoxic, Oxidative Stress, Proinflammatory and Genotoxic Effect of Silver Nanoparticles in Human Lung Epithelial Cells.* Environmental Toxicology 02/2015; 30(2)., DOI:10.1002/tox.21880

Mohammed a al gurabi, Daoud ali, saad alkahtani, Saud Alarifi: *In vivo DNA damaging and apoptotic potential of silver nanoparticles in Swiss albino mice.* OncoTargets and Therapy 01/2015; 20158(default):295-302., DOI:10.2147/OTT.S77572

Jisha Joy, Saud Alarifi, Entissar Alsuhaibani, C K Krishnan Nair: *Protection of DNA From Ionizing Radiation-Induced Lesions by Asiaticoside.*

Daoud Ali, Saud Alarifi, Saad Alkahtani, Abdullah A AlKahtane, Abdulaziz Almalik: *Cerium Oxide Nanoparticles Induce Oxidative Stress and Genotoxicity in Human Skin Melanoma Cells.* Cell Biochemistry and Biophysics 11/2014; 71(3)., DOI:10.1007/s12013-014-0386-6

Konstantinos Alevizopoulos, Konstantinos Dimas, Natalia Papadopoulou, Eva-Maria Schmidt, Anna Tsapara, Saad Alkahtani, Sabina Honisch, Kyriakos C. Prousis, Saud Alarifi, Theodora Calogeropoulou, Florian Lang, Christos Stournaras: *Functional characterization and anti-cancer action of the clinical phase II cardiac Na⁺/K⁺ ATPase inhibitor istaroxime: In vitro and in vivo properties and cross talk with the membrane androgen receptor.* Oncotarget 11/2014; 7(17)., DOI:10.18632/oncotarget.8329

Shuchen Gu, Sabina Honisch, Michalis Kounenidakis, Saad Alkahtani, Saud Alarifi, Konstantinos Alevizopoulos, Christos Stournaras, Florian Lang: *Membrane Androgen Receptor Down-Regulates c-Src-Activity and Beta-Catenin Transcription*

and Triggers GSK-3 β -Phosphorylation in Colon Tumor Cells. Cellular Physiology and Biochemistry 10/2014; 34(4):1402-12., DOI:10.1159/000366346

Latif Abdul, Mohamed Amer Haitham, Elead Hamad Moawia, Abdul Rahaman Alarifi Saud, Nasser Almajhdi Fahad: *Medicinal plants from Saudi Arabia and Indonesia: In vitro cytotoxicity evaluation on Vero and HEP-2 cells.* Journal of medicinal plant research 09/2014; 8(34):1065-1073., DOI:10.5897/JMPR2014.5481

Sabina Honisch, Saad Alkahtani, Michalis Kounenidakis, Guilai Liu, Saud Alarifi, Hamad Al-Yahya, Konstantinos Dimas, Abdullah A AlKahtane, Kyriakos C Prousis, Bader Al-Dahmash, Theodora Calogeropoulou, Konstantinos Alevizopoulos, Florian Lang, Christos Stournaras: *A Steroidal Na⁺/K⁺ ATPase Inhibitor Triggers Pro-apoptotic Signaling and Induces Apoptosis in Prostate and Lung Tumor Cells.* Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal Chemistry - Anti-Cancer Agents) 06/2014; 14(8)., DOI:10.2174/1871520614666140618114418

Saud Alarifi, Daoud Ali, Ankit Verma, Fahad N Almajhdi, Ahmed A Al-Qahtani: *Single-walled carbon nanotubes induce cytotoxicity and DNA damage via reactive oxygen species in human hepatocarcinoma cells.* In Vitro Cellular & Developmental Biology - Animal 05/2014; 50(8)., DOI:10.1007/s11626-014-9760-3

Saud Alarifi, Daoud Ali, Saad Alkahtani, M.S. Alhader: *Iron Oxide Nanoparticles Induce Oxidative Stress, DNA Damage, and Caspase Activation in the Human Breast Cancer Cell Line.* Biological trace element research 04/2014; 159(1)., DOI:10.1007/s12011-014-9972-0

Saud Alarifi, Daoud Ali, Saad Alakhtani, Entissar S Al Suhaibani, Ahmed A Al-Qahtani: *Reactive Oxygen Species-Mediated DNA Damage and Apoptosis in Human Skin Epidermal Cells After Exposure to Nickel Nanoparticles.* Biological trace element research 12/2013; 157(1)., DOI:10.1007/s12011-013-9871-9

Daoud Ali, Phool Gend Yadav, Sudhir Kumar, Huma Ali, Saud Alarifi, Abdul Halim Harrath: *Sensitivity of freshwater pulmonate snail Lymnaea luteola L., to silver nanoparticles.* Chemosphere 12/2013; 104., DOI:10.1016/j.chemosphere.2013.10.081

Saud Alarifi, Daoud Ali, Amin A Al-Doaiss, Bahy A Ali, Mukhtar Ahmed, Abdulaziz A Al-Khedhairi: *Histologic and apoptotic changes induced by titanium dioxide nanoparticles in the livers of rats.* International Journal of Nanomedicine 10/2013; 8:3937-43., DOI:10.2147/IJN.S47174

Saud Alarifi, Daoud Ali: *Assessment of oxidative stress and cytotoxicity of copper oxide nanoparticles in human skin epidermal cell line (HaCaT).* Toxicology Letters 08/2013; 221:S239., DOI:10.1016/j.toxlet.2013.05.588

Vasileia Anagnostopoulou, Iosif Padiaditakis, Saad Alkahtani, Saud A Alarifi, Eva-Maria Schmidt, Florian Lang, Achille Gravanis, Ioannis Charalampopoulos, Christos Stournaras: *Differential Effects of Dehydroepiandrosterone and Testosterone in Prostate and Colon Cancer Cell Apoptosis: The Role of Nerve Growth Factor (NGF) Receptors.* Endocrinology 05/2013; 154(7)., DOI:10.1210/en.2012-2249

- Saud Alarifi, Daoud Ali, Ankit Verma, Saad Alakhtani, Bahy A Ali: *Cytotoxicity and Genotoxicity of Copper Oxide Nanoparticles in Human Skin Keratinocytes Cells*. International Journal of Toxicology 05/2013; 32(4)., DOI:10.1177/1091581813487563
- Maqusood Ahamed, Hisham A Alhadlaq, Javed Alam, M A Majeed Khan, Daoud Ali, Saud Alarafi: *Iron Oxide Nanoparticle-Induced Oxidative Stress And Genotoxicity In Human Skin Epithelial And Lung Epithelial Cell Lines*.. Current pharmaceutical design 04/2013; 19(37)., DOI:10.2174/1381612811319370011
- Saud Alarifi, Daoud Ali, Saad Alkahtani, Ankit Verma, Maqusood Ahamed, Mukhtar Ahmed, Hisham A Alhadlaq: *Induction of oxidative stress, DNA damage, and apoptosis in a malignant human skin melanoma cell line after exposure to zinc oxide nanoparticles*. International Journal of Nanomedicine 03/2013; 8(default):983-993., DOI:10.2147/IJN.S42028
- Fahad N Almajhdi, Mohammed Al-Ahdal, Ayman A Abdo, Faisal M Sanai, Mashael Al-Anazi, Nisreen Khalaf, Nisha A Viswan, Hamad Al-Ashgar, Khalid Al-Kahtani, Hind Al-Humaidan, Riham Al-Swayeh, Zahid Hussain, Saud Alarifi, Majid Al-Okail, Ahmed Al-Qahtani: *Single nucleotide polymorphisms in CXCR1 gene and its association with hepatitis B infected patients in Saudi Arabia*. Annals of hepatology: official journal of the Mexican Association of Hepatology 03/2013; 12(2):220-7.
- Saud Alarifi, Daoud Ali, Saad Alkahtani, Maqsood A Siddiqui, Bahy A Ali: *Alarifi S, Ali D, Alkahtani S, Siddiqui MA, Ali BA* Arsenic trioxide-mediated oxidative stress and genotoxicity in human hepatocellular carcinoma cells. *Onco Targets Ther* 6: 75-84. OncoTargets and Therapy 02/2013; 6:75-84., DOI:10.2147/OTT.S38227
- Amin A Al-Doaiss, Saud A Alarifi, Bashir M Jarrar: *Hepatic Histological and Histochemical Alterations Induced by Rosuvastatin Therapeutic Doses*. Pakistan journal of zoology 02/2013; 45(1):149-157.
- Shuchen Gu, Michalis Kounenidakis, Eva-Maria Schmidt, Divija Deshpande, Saad Alkahtani, Saud Alarifi, Michael Föller, Konstantinos Alevizopoulos, Florian Lang, Christos Stournaras: *Rapid activation of FAK/mTOR/p70S6K/PAK1-signaling controls the early testosterone-induced actin reorganization in colon cancer cells*. Cellular Signalling 01/2013; 25(1):66-73., DOI:10.1016/j.cellsig.2012.08.005
- Saud Alarifi, Daoud Ali, Al Omar Suliman Y, Maqusood Ahamed, Maqsood A Siddiqui, Abdulaziz A Al-Khedhairi: *Oxidative stress contributes to cobalt oxide nanoparticles-induced cytotoxicity and DNA damage in human hepatocarcinoma cells*. International Journal of Nanomedicine 01/2013; 8(default):17-23., DOI:10.2147/IJN.S37924
- Ahmed Al-Qahtani, Mohammed Al-Ahdal, Ayman Abdo, Faisal Sanai, Mashael Al-Anazi, Nisreen Khalaf, Nisha A Viswan, Hamad Al-Ashgar, Hind Al-Humaidan, Riham Al-Suwayeh, Zahid Hussain, Saud Alarifi, Majid Al-Okail, Fahad N Almajhdi: *Toll-like receptor 3 polymorphism and its association with hepatitis B virus infection in Saudi Arabian patients*. Journal of Medical Virology 09/2012; 84(9):1353-9., DOI:10.1002/jmv.23271

- Daoud Ali, Saud Alarifi, Sudhir Kumar, Maqsood Ahamed, Maqsood A Siddiqui: *Oxidative stress and genotoxic effect of zinc oxide nanoparticles in freshwater snail Lymnaea luteola L.* Aquatic toxicology (Amsterdam, Netherlands) 08/2012; 124-125:83-90., DOI:10.1016/j.aquatox.2012.07.012
- Saud A. Alarifi, Badr A. Aldahmash, Doaa M. El-Nagar, Mohamed A. Dkhil: *Effect of corn oil, flaxseed oil and black seed oil on lead acetate-induced hepatic tissue damage: A histological study.* Journal of medicinal plant research 06/2012; 24(6):4128-4134., DOI:10.5897/JMPR12.658
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Membership of Scientific Associations

- a. Member of Apoptosis Society, since 2003
- b. Member of Cell Biology Society, since 2005.
- c. Member of Saudi Biological Society, since 2004.
- d. Member of Saudi Cancer Society, since 2005.