



Curriculum Vitae

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Full Name : Adel Sharaf Al-Zubairi

Title : **Associate Prof. of Biochemistry and Molecular Biology**
Department of Laboratory Medicine,
Faculty of Applied Medical Sciences
Al-Baha University
Al-Baha, Saudi Arabia

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Post-Doctoral Experience (Fellowships):

- Principal Post Doctorate Research Fellow at the Laboratory of Cancer Research MAKNA-UPM, IBS, University Putra Malaysia. Sponsored by the Ministry of Higher Education (MoHE), Malaysia. (2007-2009)
- Post Doctorate Research Fellow in the Laboratory of Cancer Research MAKNA-UPM, IBS, UPM. Sponsored by the Ministry of Science, Technology and Innovation (MOSTI), Malaysia. (2006-2007)

Academic Qualifications:

- **Ph.D. in Molecular Biology** (2003 - 2007)
Department of Biomedical Sciences, Faculty of Medicine and Health Sciences, University of Putra Malaysia, Malaysia.
Thesis title: "Biochemical and Mutagenic Effects of 'khat' (Catha edulis) in rats"
- **MSc in Clinical Biochemistry (Metabolism)** (1998 - 2001)
Department of Clinical Biochemistry, Faculty of Medicine and Health Sciences, University of Sana'a, Sana'a, Yemen.
Thesis Title: "The effect of Catha edulis (khat) on lipid peroxidation".

- B.Sc. in Medical Laboratory Sciences (1989 - 1993)

Faculty of Medicine and Health Sciences, University of Sana'a, Sana'a, Yemen.

Professional Affiliation/Membership

Institute of Integrative Omics and Applied Biotechnology (IIOAB), Life time Associate Member (2009).

European Association of Cancer Research (EACR) (Ambassador), 2011-2020.

Middle East Molecular Biology Society (MEMBS).

American Society of Biochemistry and Molecular Biology (ASBMB).

The American Association of Yemeni Scientists and Professionals (AAYSPP), USA.

Asian Council of Science Editors (ACSE).

Asian Pacific Organization of Cancer Prevention (APOCP).

International Union of Pure and Applied Chemistry (IUPAC).

Career History:

*2013 till present

Associate Prof of Biochemistry and Molecular Biology,

Department of laboratory medicine, Faculty of Applied Medical Sciences, University of Albaha, Saudi Arabia.

Faculty of Medicine and Health Sciences, Sana'a University, Sana'a, YEMEN.

*Sept 2010 to 2012

Assistant Prof of Biochemistry and Molecular Biology,

Faculty of Applied Medical Sciences, University of Al-Baha, Saudi Arabia

*Sept 2008 to 2010

Assistant Prof of Biochemistry and Molecular Biology, Faculty of Medicine and Health Sciences, University of Sana'a, Sana'a, YEMEN.

*November 2001- Aug 2007

Lecturer, Department of Clinical Biochemistry, Faculty of Medicine and Health Sciences, University of Sana'a, Yemen.

* December 1996 to Nov 2001

Research Assistant and Demonstrator in the Department of Clinical Biochemistry, Faculty of Medicine and Health Sciences, University of Sana'a, Yemen.

* November 1993 to December 1996

Medical Laboratory Specialist in Al-Sabaeen Hospital, Sana'a, Yemen.

Fellowships and Awards:

2006 – 2007 Awarded a Post Doctorate Fellowship from Ministry of Science, Technology and Innovation (MOSTI), Malaysia to work at the Laboratory of Cancer Research MAKNA-UPM, Institute of Biosciences, University Putra Malaysia, Malaysia.

2007 – 2009 Awarded a Post Doctorate Fellowship from Ministry of Higher Education (MoHE), to work at the Laboratory of Cancer Research MAKNA-UPM, Institute of Bioscience, University Putra Malaysia, Malaysia.

2003 – 2007 Awarded a PhD Fellowship from Sana'a University to work at the University of Putra Malaysia, Malaysia.

1998 – 2001 Awarded a MSc Fellowship from WHO to work at the Faculty of Medicine and Health Sciences, Sana'a University, Yemen.

Teaching Experience:

- Prepared the Curriculums and Taught the following Courses:
 - Introduction to Medical Biochemistry
 - Biochemistry and Molecular Biology 1
 - Biochemistry and Molecular Biology 2
 - Clinical Biochemistry 1
 - Clinical Biochemistry 2
 - Molecular and Cell Biology
 - Nutritional Biochemistry
 - Organic Chemistry for life Sciences
 - Nutrition for Health

- Developed and taught an electronic course (E-learning) using the blackboard.

Research Interest and Experience:

Cytogenetics, Genotoxicity assessment, Cancer research, Mechanism of action of anticancer drugs, Anticancer drug discovery from natural products, Lipid peroxidation and free radical generation.

Patents:

1-Abdul, Ahmad Bustamam; Abdullah, Muhammad Nazrul Hakim; Lajis, Mohd Nordin; Tailan, Nirmala Devi; Mohd Zain, Zetty Nadia; **Al Zubairi, Adel Sharaf**; Wahab, Siddig Ibrahim Abdel. Use of an anti-cancer compound, **World Intellectual Property Organization, WO2008063045**, 2008.

2-Abdul, Ahmad Bustamam; Abdullah, Muhammad Nazrul Hakim; Lajis, Mohd Nordin; Tailan, Nirmala Devi; Mohd Zain, Zetty Nadia; Wahab, Siddig Ibrahim Abdel; **Al Zubairi, Adel Sharaf**. Use of an anti-cancer compound, **The United States Patent and Trademark Office, USPTO12/374279**, 2009.

3-Abdul, Ahmad Bustamam; Abdullah, Munammad Nazrul Hakim; Lajis, Mohd Nordin; Tailan, Nirmala Devi; Mohd Zain, Zetty Nadia; Wahab, Siddig Ibrahim Abdel; **Al Zubairi, Adel Sharaf**. Use of an anti-cancer compound, **Australian Patent Office, AU-A-2007322495**, 2009.

4-Abdul, Ahmad Bustamam; Abdullah, Muhammad Nazrul Hakim; Lajis, Mohd Nordin; Tailan, Nirmala Devi; Mohd Zain, Zetty Nadia; **Al Zubairi, Adel Sharaf**; Wahab, Siddig Ibrahim Abdel. Use of an anti-cancer compound, **Malaysian Patent Office, PCT/MY2007000082**, 2009.

5- Abdul, Ahmad Bustamam; Abdullah, Munammad Nazrul Hakim; Lajis, Mohd Nordin; Tailan, Nirmala Devi; Mohd Zain, Zetty Nadia; Wahab, Siddig Ibrahim Abdel; **Al Zubairi, Adel Sharaf**. Use of an anti-cancer compound, **Japan Paten Office, JP2010510207**, 2010.

6- Abdul, Ahmad Bustamam; Abdullah, Munammad Nazrul Hakim; Lajis, Mohd Nordin; Tailan, Nirmala Devi; Mohd Zain, Zetty Nadia; Wahab, Siddig Ibrahim Abdel; **Al Zubairi, Adel Sharaf**. Use of an anti-cancer compound, **European Patent Office, EP2083806**, 2012.

Projects

- 1- Anti-cancer Effects of Zerumbone from Zingiber Zerumbet on Human Cervical Cancer Cells (HeLa) and Female Balb/c mice Induced with Cervical Cancer.
- 2- Anti-cancer Properties of Plant-derived and Chemically Synthesized Compounds on Breast Cancer Cells.
- 3- Anti-tumourgenic Effects of Corresponding Chemical Analogues in Chemical Intraepithelial Neoplasia of Female Balb/c Mice.
- 4- A Natural Compound of Herbal Plant Origin As a Useful And Future Chemotherapy for Cervical Cancer Treatment.
- 5- In vivo and in vitro mechanistic toxicological investigation of natural anticancer compound , sponsored by the Ministry of Higher Education -MoHE-(Malaysia) through the University Putra Malaysia (Research University Grant).
- 6- Genotoxicity assessment of medicinal plants from Al-Baha region (AlBaha University sponsored, Grant number 78/1438).
- 7- Assessing the compounds and benefits of medical herbs in Al-baha region, Saudi Arabia (AlBaha University sponsored).

Training courses/ Workshops:

Participated in the following training courses and workshops:

- 1- Updated performance indicators for Al-Baha University and their benchmarking, University Vice Presidency for Development and Quality, Al Baha University, 28, March 2021(Online Certificate Course).
- 2- Teaching and learning strategies, University Vice Presidency for Development and Quality, Al Baha University, 14, March 2021 (Online Certificate Course).
- 3- The basics of artificial intelligence technology, University Vice Presidency for Development and Quality, Al Baha University, 22, February 2021 (Online Certificate Course).
- 4- The duties of the student and faculty member in academic advising, University Vice Presidency for Development and Quality, Al Baha University, 24, November 2020 (Online Certificate Course).
- 5- Preparing training packages, University Vice Presidency for Development and Quality, Al Baha University, 30, November 2020 (Online Certificate Course).
- 6- Modern teaching methods and systems, University Vice Presidency for Development and Quality, Al Baha University, 29, November 2020 (Online Certificate Course).
- 7- Student's evaluation and Assessment, University Vice Presidency for Development and Quality, Al Baha University, 10, November 2020 (Online Certificate Course).
- 8- Guidance and counseling theories and their field applications, University Vice Presidency for Development and Quality, Al Baha University, 03, November 2020 (Online Certificate Course).
- 9- Searching for digital information sources related to the Corona pandemic, University Vice Presidency for Development and Quality, Al Baha University, 21, July 2020 (Online Certificate Course).

- 10- Developed quality assurance and institutional accreditation standards and requirements for their allocation, University Vice Presidency for Development and Quality, Al Baha University, 14, July 2020 (Online Certificate Course).
- 11- The use of QR technology in linking educational content and its components to the Internet (creation and employment), University Vice Presidency for Development and Quality, Al Baha University, 12, July 2020 (Online Certificate Course).
- 12- Standards for controlling common errors made by faculty members when constructing the questions submitted on the education system (Rafid), University Vice Presidency for Development and Quality, Al Baha University, 06, July 2020 (Online Certificate Course).
- 13- Skills of writing academic course reports, University Vice Presidency for Development and Quality, Al Baha University, 29, June 2020 (Online Certificate Course).
- 14- Activating the faculty member for quality standards, University Vice Presidency for Development and Quality, Al Baha University, 28, June 2020 (Online Certificate Course).
- 15- Benchmarking and benchmarking indicators, University Vice Presidency for Development and Quality, Al Baha University, 27, June 2020 (Online Certificate Course).
- 16- Intellectual property for Scientists, Organized by COMSTECH Secretariat, Islamabad, in Collaboration with International Center for Chemical and Biological Sciences (ICCBS), Karachi and Sindh Innovation, Research, and Education Network (SIREN), Karachi, on September 9, 2020 (Online Certificate Course).
- 17- Diagnosis of COVID-19: Sample collection, RNA extraction, PCR, and Data interpretation. Organized by COMSTECH Secretariat, Islamabad, in Collaboration with International Center for Chemical and Biological Sciences (ICCBS), Karachi, Pakistan, August 18-20, 2020, (Online Certificate Course).
- 18- Quality Assurance in Education and Distance Learning: Requirements, Challenges and Hopes, 17-18 August 2020, UNESCO-RCQE, (Online Certificate Course).
- 19- Assessment and evaluation of health profession education programs, 31st December 2019 – 1st January 2020, Education and Training Evaluation Commission, Al Baha University, Saudi Arabia.
- 20- Connecting theories to teaching and learning workshop, 11th November 2019, Albaha University, Saudi Arabia.
- 21- How to use the ENDNOTE workshop, 5th November 2019, Albaha University, Saudi Arabia.
- 22- Applying quality standards in designing electronic courses (first level)-Online workshop, 5th October 2019, Ministry of Education, Saudi Arabia.
- 23- Patient safety first, Together we can make better- Symposium, 12th December 2018, Albaha University, Saudi Arabia.

- 24- McGraw-Hill Education workshop – Access Medicine, 29th October 2017, Saudi Digital Library, Saudi Arabia.
- 25- An introduction to ProQuest Databases, 5th November 2017, Saudi Digital Library, Saudi Arabia.
- 26- Tips to write a research article, 24th May 2017, Saudi Digital Library, Saudi Arabia.
- 27- Managing research references using the Endnote program, 8th May 2017, Saudi Digital Library, Saudi Arabia.
- 28- Tips to write a research article, 3rd May 2017, Saudi Digital Library, Saudi Arabia.
- 29- Tools of Scientific research workshop, 19th April 2017, Saudi Digital Library, Saudi Arabia.
- 30- Research Methodology workshop, 29th March 2017, Saudi Digital Library, Saudi Arabia.
- 31- Electronic Arbitration for Scientific Research: Global Skills and Standards, 20th March 2017, Saudi Digital Library, Saudi Arabia.
- 32- Mate-pair next generation sequencing as a powerful clinical tool for the characterization of cancer, 22nd February 2017, Labroots.
- 33- Acclimation of Training Animals for Standard Handling, Restraint and Laboratory Techniques, 9th February 2017, Labroots.
- 34- Up To Date for Faculty Staff workshop, 07th Dec 2016, Saudi Digital Library, Saudi Arabia.
- 35- Introduction to Quantum Biology: A new science workshop, 14th Nov 2016, Organized by MEMBS, Qatar University, Doha, Qatar.
- 36- Introduction to Clinical Genomics Associated Techniques workshop, 16th Nov 2016, Organized by MEMBS, Qatar University, Doha, Qatar.
- 37- The role of scientific research in the intra-community service workshop, 17 March 2015, Albaha University, Saudi Arabia.
- 38- National Workshop on Khat Biomedical Research (invited speaker), 10 February 2015, Jazan University, Saudi Arabia.
- 39- Mechanisms to achieve quality performance in the light of emerging universities mutual experiences Seminar, 1-2 April 2014, Albaha University, Saudi Arabia.
- 40- The first annual forum for scientific research at Albaha University under the title "Scientific research and the future need for community leadership.", 17-18 March 2014. Al-Baha University, Saudi Arabia

- 41- Building up khat research experience post-conference workshop, 7th March 2013, Substance abuse research center, Jazan University, Saudi Arabia.
- 42- Medical health research ethics workshop, 8-10 March 2010, Faculty of Medicine and Health Sciences, University of Sana'a, Sana'a, Yemen.
- 43- Pre-Conference Toxicology workshop, 8th July 2009, UKM Molecular Biology Institute, Kuala Lumpur, Malaysia.
- 44- Innovation and Entrepreneurship, 18-29 April 2009, COMSTECH, Islamabad, Pakistan.
- 45- International workshop on Nanomedicine: The use of nanoparticles in medical diagnostics, 13-20 March 2008, COMSTECH, Islamabad, Pakistan.
- 46- Translational Research in Oncology (TRIO 2008) Seminar. 17 January 2008. Faculty of Medicine and Health Sciences, UPM, Malaysia.
- 47- Research Design and Methodology, organized by the Department of Community Health, Faculty of Medicine and Health Sciences, University Putra Malaysia. 12-16 February, 2007.
- 48- Bioethics Meeting the Challenges Seminar, organized by Centre for Civilization Dialogue, CEBAR and Faculty of Medicine, University of Malaya, with assistance from the UNISCO and Ministry of Education Malaysia, 15-16 March, 2007.
- 49- International Youth Workshop on Science, Technology and Innovation: Towards a prosperous and secure Islamic world. 6-7 August 2007. Kuala Lumpur Convention Centre, Malaysia.
- 50- SPSS Data Entering and Analysis Workshop Organized by UPMISA, UPM, Kuala Lumpur, 25 March 2006.
- 51- Statistical analysis using SPSS Workshop, organized by the SPSS BI (Malaysia) Sdn Bhd. 18 – 19 April 2006.
- 52- Introductory Bioinformatics Workshop organized by the International Relations Office (IRO), in collaboration with Institute of Multimedia and Software (IMP), UPM. 21 - 23 June 2006.
- 53- Developing, writing and publication skills for scientific research Workshop Organized by UPMISA, UPM. 23 – 25 March 2004.
- 54- Polymerase Chain Reaction in conjunction with the Peer-to-Peer Skill Development Program Workshop, Organized by the Scientific Unit of GSC, Faculty of Medicine and Health Sciences, UPM, 18 - 19 August 2004.

Publications: (Journals)

1. **Adel S. Al-Zubairi** and Ali Moosa Mahzari. Biological Activity and Phytochemical Analysis of Herbal Preparations from Al-Baha region, Saudi Arabia, Egypt. Acad. J. Biolog. Sci., 14(1): 409- 422 (2022).

2. **Adel S. Al-Zubairi.** Assessment of Mutagenicity of Herbal Preparations from Al-Baha Region, Saudi Arabia, Egypt. Acad. J. Biolog. Sci., 11(1): 51- 62 (2019).
3. **Adel S. Al-Zubairi.** Anti-proliferative activity of Zerumbone against tumour cell lines, OnLine Journal of Biological Sciences, 18(2); 123-129, 2018
4. **Adel S. Al-Zubairi,** Mohamed Al-Mamary, Eftekhar Al-Ghasani, Ahmad Bustamam Abdul and Syam Mohan. Antiproliferative Activity of EO Extracted from Different Aromatic Plants on Different Cell Lines, MOJ Toxicology, 3(6):00069, 2017.
5. **Adel S. Al-Zubairi,** Mohamed A. Al-Mamary and Eftekhar Al-Ghasani. The Antibacterial, Antifungal, and Antioxidant Activities of Essential Oil from Different Aromatic Plants. Glo. Adv. Res. J. Med. Med. Sci., 6(9); 224-233, 2017.
6. **Adel S. Al-Zubairi.** In Vitro Genotoxic effects of Zerumbone and Cisplatin Combination in CHO Cell lines. Asian Pacific Journal of Cancer Biology. 2(4): 103-109, 2017
7. **Adel S. Al-Zubairi .** Genotoxicity Assessment of Fresh Khat Leaves Extract in Chinese Hamster Ovary Cell Lines. J. Med. Sci, 17(3); 126-132, 2017.
8. Riad Bayoumi, Sara De Fanti, Marco Sazzini, Cristina Giuliani, Andrea Quagliariello, Eugenio Bortolini, Alessio Boattini, Molham Al-Habori, **Adel Sharaf Al-Zubairi,** Jeffrey I. Rose, Giovanni Romeo, Abdulrahim Al-Abri, Donata Luiselli. Positive selection of lactase persistence among people of Southern Arabia. Am. J. Phys. Anthropol., 161: 676-684, 2016
9. Syam Mohan, Siddig Ibrahim Abdelwahab, Yahya Hasan Hobani, Suvitha Syam, **Adel S Al-Zubairi,** Rashad Al-sanousi, Magbool Essa Oraiby. Catha edulis extract induces H9c2 cell apoptosis by increasing reactive oxygen species generation and activation of mitochondrial proteins. Pharmacognosy magazine, 12 (46); S312-326, 2016.
10. **Adel S. Al-Zubairi.** Evaluation of Cytogenetic and DNA Damage Effects Induced by Zerumbone. Asian Journal of Cell Biology, 11(1); 13-20, 2016.
11. M. Al-Mamary, M. AL-Habori and **A. S. Al-Zubairi.** The In Vitro Antioxidant Activity of Different Types of Palm Dates (*Phoenix Dactylifera*) Syrups. Arabian Journal of Chemistry, 7(6); 964-971, 2014.
12. Haider Al-Mamary, Amina El-Shaibany, Molham AL-Habori, Ali Al-Meerri, Mohamed Al-Mamary and **Adel S. Al-Zubairi.** Effect of Catha edulis on the activities of enzyme markers of carcinogenicity in chemically-induced hepatocellular carcinoma in rabbits. International Journal of Cancer Research, 10(1); 1-13, 2014.
13. Abdul Rahim Al-Abri, Omar Al-Rawas, Saeed Al-Yahyae, Molham Al-Habori, **Adel Sharaf Al-Zubairi,** and Riad Bayoumi. Distribution of the Lactase Persistence-Associated Variant Alleles -13910T and -13915G among the People of Oman and Yemen. Human Biology, 84(3); 271-286, 2012.

14. **Adel S. Al-Zubairi**. Genotoxicity Assessment of a Natural Anti-cancer Compound “Zerumbone” in CHO Cell Lines. *International Journal of Cancer Research*, 8(4); 119-129, 2012.
15. Zakaria Al-Shoaibi, Mohamed A. Al-Mamary, Molham A. AL-Habori, **Adel S. Al-Zubairi** and Siddig I. Abdelwahab. In vivo Antioxidative and Hepatoprotective Effects of Palm Date Fruits (*Phoenix dactylifera*). *International Journal of Pharmacology*, 8(3); 185-191, 2012.
16. **A.S. Al-Zubairi**, Ahmad Bustamam Abdul, Mohamed Yousif Ibrahim. Effects of Zerumbone on Cisplatin-induced Clastogenesis in Sprague-Dawley Rats Bone Marrow Cells. *African Journal of Biotechnology*. 10(28); 5414-5417, 2011.
17. Ghanya Al-Naqeep, Adel S. Al-Zubairi, Maznah Ismail, Zulkhairi Hj Amom, and Norhaizan Mohd Esa, “Antiatherogenic Potential of *Nigella sativa* Seeds and Oil in Diet-Induced Hypercholesterolemia in Rabbits,” *Evidence-Based Complementary and Alternative Medicine*, vol. 2011, Article ID 213628, 8 pages, 2011. <https://doi.org/10.1093/ecam/neq071>.
18. **Adel S. Al-Zubairi**, Ahmad Bustamam Abdul, Siddig Ibrahim Abdel Wahab, Chew Yuan Peng, M.M Syam and Manal Mohamed Elhassan. Eleucine indica possesses antioxidant, antibacterial and cytotoxic properties. *Evidence-based Complementary and Alternative Medicine*. doi:10.1093/ecam/nep091, 2011.
19. Syam Mohan, Ahmad Bustamam, Siddig Ibrahim, **Adel S. Al-Zubairi**, Mohamed Aspollah, Rasedee Abdullah and Manal Mohamed Elhassan. In vitro ultramorphological assessment of apoptosis on CEMss induced by linoleic acid rich fraction from *Typhonium flagelliforme* tuber. *Evidence-based Complementary and Alternative Medicine*. doi:10.1093/ecam/neq010, 2011.
20. Mohan, S., Bustamam, A., Abdelwahab, S.I., **Al-Zubairi, A.S.**, Aspollah, M., Abdullah, R., Elhassan, M.M., Ibrahim, M.Y., Syam, S., *Typhonium flagelliforme* induces apoptosis in CEMss cells via activation of caspase-9, PARP cleavage and cytochrome c release: Its activation coupled with G0/G1 phase cell cycle arrest, *Journal of Ethnopharmacology*, 131(3); 592-600, 2010.
21. Mohan, S., Abdul, A.B., Abdelwahab, S.I., **Al-Zubairi, A.S**, Aspollah Sukari, M., Abdullah, A., Taha, M.M.E., Ng Kuan Beng, Isa, N.M. *Typhonium flagelliforme* inhibits the proliferation of murine leukemia WEHI-3 cells *in vitro* and induces apoptosis *in vivo*. *Leukaemia Research*. 34(11); 1483-1492, 2010.
22. **Adel S. Al-Zubairi** and El-Tayeb El-Amin, Molecular Targets in the Development of Antidiabetic Drugs. *International Journal of Pharmacology*. 6(6); 784-795, 2010.
23. **Al-Zubairi Adel S.**, Amad Bustamam Abdul, Mohammed Yousif , Siddig Ibrahim Abdel Wahab, Manal Mohammed Elhassan, Syam Mohan Morali. In Vivo and In Vitro Cytogenetic Effects of Zerumbone. *Caryologia*, 63(1); 11-17, 2010.
24. E. A. Hussein, A. M. Taj-Eldeen, **A. S. Al-Zubairi**, A. S. Elhakimi and A. Rrahman Al-Dubaie. Phytochemical screening, total phenolics and antioxidant and antibacterial

- activities of Callus from *Brassica nigra* L. hypocotyl explants. *International Journal of Pharmacology* 6(4); 446-453, 2010.
25. **A.S. Al-Zubairi**, Ahmad Bustamam Abdul, M.M. Syam. Evaluation of the Genotoxicity of Zerumbone in Cultured Human Peripheral Blood Lymphocytes. *Toxicology in Vitro*. 24(3); 707-712, 2010.
 26. Eltayeb Elamin M. Eid, Ahmad Bustamam Abdul, **Adel S. Al-Zubairi**, Mohamed Aspollah Sukari. Validated High Performance Liquid Chromatographic (HPLC) Method for Analysis of Zerumbone in Human Plasma. *African Journal of Biotechnology*. 9(8); 1260-1265, 2010.
 27. Siddig Ibrahim, Ahmad Bustamam, Nirmala Devi, Manal Mohamed Ehassan, **Adel Al-zubairi**, Syam Mohan, Abdelbasit Adam Mariod, Regression of cervical intraepithelial neoplasia by zerumbone in female Balb/c mice prenatally exposed to diethylstilboestrol: Involvement of mitochondria-regulated apoptosis. *Experimental and Toxicologic Pathology*. 62(5); 461-469, 2010.
 28. Siddig Ibrahim, Ahmad Bustamam, Manal Mohamed Ehassan, Syam Mohan, **Adel Al-zubairi**, Nagi A. Alhaj, Rasedee Abdullah, Abdelbasit Adam Mariod. Biological and Phytochemical Investigations of *Goniothalamus umbrosus* leaves hexane extract. *Journal of Medicinal Plants Research*. 3(11); 880-885, 2009.
 29. Ghanya N. Al-Naqeep, Maznah M. Ismail, **Adel S. Al-Zubairi** and Norhaizan M. Esa. Nutrients composition and minerals content of three different samples of *Nigella sativa* L. cultivated in Yemen. *Asian Journal of Biological Sciences*. 2(2); 43-48, 2009.
 30. Ghanya N. Al-Naqeep, Maznah M. Ismail, **Adel S. Al-Zubairi**. Fatty Acid Profile, α -Tocopherol Content and Total Antioxidant Activity of Oil Extracted from *Nigella Sativa* Seeds. *International Journal of Pharmacology*. 5(4); 244-250, 2009.
 31. Siddig Ibrahim Abdel Wahab, Ahmad Bustamam Abdul, **Adel Sharaf Alzubairi**, Manal Mohamed Elhassan, Syam MM. In vitro Ultra-morphological Assessment of apoptosis induced by Zerumbone on human cervical cancer cells (HeLa). *Journal of Biomedicine and Biotechnology*. Volume 2009, article ID 769568, 10 pages. doi:10.1155/2009/769568, 2009.
 32. Mohamed Yousif Ibrahim, Ahmad Bustamam Abdul, Siddig Ibrahim Abdel Wahab, Manal Mohamed Elhassan, **Adel Sharaf Alzubairi** and Syam MM. Attenuation of Cisplatin Induced Hepatotoxicity in Rats Using Zerumbone. *Research Journal of Biological Sciences*. 4(7); 777-784, 2009.
 33. Ahmad Bustamam Abdul, Siddig Ibrahim Abdel Wahab, Johari Bin Jalinas, **Adel Sharaf Al-Zubairi** and Manal Mohamed Elhassan Combination of zerumbone and cisplatin to treat cervical intraepithelial neoplasia in female Balb/c mice. *International Journal of Gynecological Cancer*. 19(6); 1004-1010, 2009.
 34. Siddig I. Abdel Wahab, Ahmad B. Abdul, Syam M. Mohan, **Adel S. Al-Zubairi**, Manal M. Elhassan, Mohamed Y. Biological Activities of *Pereskia bleo* Extracts. *International Journal of Pharmacology*. 5(1); 71-75, 2009.

35. Ahmad Bustamam Abdul, Siddig Ibrahim Abdel Wahab, Hew Kim Fong, Syam M. Mohan, **Adel Sharaf Al-Zubairi** and Manal Mohamed Elhassan. In vitro response of cancer cells to the growth inhibitory effects of Dichloromethane extract of *Goniothalamus umbrosus*. *Research Journal of Pharmacology*. 3(1); 1-6, 2009.
36. Siddig I. Abdel Wahab, Ahmad B. Abdul, Syam M. Mohan, **Adel S. Al-Zubairi**, Manal M. Elhassan. Oncolysis of breast, liver and leukemia cancer cells using ethyl acetate and methanol extracts of *Goniothalamus umbrosus*. *Research Journal of Biological Sciences*. 4(2); 209-215, 2009.
37. Siddig Ibrahim Abdel-Wahab, Ahmad Bustamam Abdul, Hew Kim Fong, Syam Mohan, Manal Mohamed Elhassan, **Adel Sharaf Al-Zubairi** and Abdelbasit Adam Mariod Antimicrobial and Free Radical Scavenging Activities of the Dichloromethane Extract of *Goniothalamus umbrosus*. *International Journal of Tropical Medicine*. 4(1); 32-36, 2009.
38. Manal MET, Siddig Ibrahim Abdel Wahab, Fauziah Othman, Parichehr Hanachi, Ahmad Bustamam Abdul and **Adel Sharaf Al-Zubairi**. *In vivo* Anti-tumor effects of *Azadirachta indica* in Rat Liver Cancer. *Research Journal of Biological Sciences* 4(1): 48-53, 2009.
39. Siddig I. Abdel Wahab, Abdel Wahab Hassan Mohamed, Osama Yousif Mohamed, Manal M. Elhassan Taha, Ahmad B. Abdul, **Adel S. Al-Zubairi**. Serotonergic properties of the roots of *Clerodendron capitatum*. *American Journal of Biochemistry and Biotechnology* 4(4); 425-430, 2008.
40. Siddig, I., A. B.A. Ahmad, **A. S. Al-Zubairi**, M.E.T. Manal and M. M. Syam. MM. Anti-Tumor Activities of Analogues derived from the Bioactive Compound of *Zingiber zerumbet*. *International Journal of Cancer Research*. 4(4); 154-159, 2008.
41. Syam Mohan, Ahmad Bustamam, Siddig Ibrahim, **Adel S. Al-Zubairi** and Mohamed Aspollah. Anticancerous effect of Typhonium flagelliforme on Human T4-lymphoplastoid cell line CEMss. *Journal of Pharmacology and Toxicology*. 3(6); 449-456, 2008.
42. Ahmad Bustamam Hj Abdul, **Adel S. Al-Zubairi**, Nirmala Devi Tailan, Siddig Ibrahim Abdel Wahab, Zetty Nadia Mohd Zain, Sharin Ruslay and M.M Syam. Anticancer Activity of Natural Compound (Zerumbone) Extracted from *Zingiber Zerumbet* in Human HeLa Cervical Cancer Cells. *International Journal of Pharmacology*. 4(3); 160 – 168, 2008.
43. B.A. Ahmad, A. Siddig, **A. S. Al-Zubairi**, M.E.T. Manal and M. M. Syam. MM. Anticancer and Antimicrobial Activities of Zerumbone from the Rhizomes of *Zingiber Zerumbet*. *International Journal of Pharmacology* 4(4); 301 – 304, 2008.
44. Manal MET, Siddig Ibrahim Abdel Wahab, Fauziah Othman, Parichehr Hanachi, Ahmad Bustamam Abdul and **Adel Sharaf Al-Zubairi**. Chemopreventive Properties of *Azadirachta indica* Aqueous Extract on DEN-AAF Hepatocarcinogenized Rats. *International Journal of Molecular Medicine and Advanced Sciences* 4(2); 50-54, 2008.

45. B.A. Ahmad, A. Siddig, **A. S. Al-Zubairi**, M.E.T. Manal and M. M. Syam. MM. Zerumbone: A natural Compound with Anti-cholinesterase Activity. American Journal of Pharmacology and Toxicology. 3(2) 206-208, 2008.
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- **Pronze Medal** (Exhibition of Invention, Research & Innovation) PRPI-UPM, 2007.
- **Gold medal** Malaysian Technology Expo 2008, MTE 2008.
- **Silver medal** (Exhibition of Invention, Research & Innovation) PRPI-UPM, 2008.
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- **Gold medal** (Exhibition of Invention, Research & Innovation) PRPI-UPM, 2009.
- **Pronze medal** BioMalaysia Exhibition, 2009.

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