

Publications

A) Book Chapter:

Samar Azab and Ayman Al-Hendy. Signal Transduction Pathways in Breast cancer: drug targets and challenges in "Breast Cancer Cells - Carcinogenesis, Cell Growth and Signalling Pathways", Gunduz, M. and Gunduz, E.- InTech ed., pp. 109-138, 2011.

B) Review Articles:

- 1- **Azab SS**. Targeting the mTOR Signaling Pathways in Breast Cancer: More than the Rapalogs. JBPR, June 2013, Vol. 1 (2): 75-83.
- 2- Tolba MF, **Azab SS**, Khalifa AE, Abdel-Rahman SZ, Abdel-Naim AB. Caffeic acid phenethyl ester, a promising component of propolis with a plethora of biological activities: a review on its anti-inflammatory, neuroprotective, hepatoprotective, and cardioprotective effects. IUBMB Life. 2013 Aug;65(8):699-709.
- 3- Tolba MF, Omar H, **Azab SS**, Khalifa AE, Abdel-Naim AB, Abdel-Rahman SZ. Caffeic acid phenethyl ester: A review of its antioxidant activity, protective effects against ischemia-reperfusion injury and drug adverse reactions. Accepted July 2013.

C) Articles in peer reviewed scientific journals:

1-**Azab SS**, El-Demerdash E, Abdel-Naim AB, Youssef E, El-Sharkawy N, Osman AM. Modulation of epirubicin cytotoxicity by tamoxifen in human breast cancer cell lines. Biochem Pharmacol. 2005 Sep 1; 70(5):725-32.

2-**Azab SS**, Salama SA, Abdel-Naim AB, Khalifa AE, El-Demerdash E, Al-Hendy A. 2-Methoxyestradiol and multidrug resistance: can 2-methoxyestradiol chemosensitize resistant breast cancer cells? Breast Cancer Res Treat. 2008 Jan;113 (1): 9-19.

3-**Azab SS**, Salama SA, Hassan MH, Khalifa AE, El-Demerdash E, Fouad H, Al-Hendy A, Abdel-Naim AB. 2-Methoxyestradiol reverses doxorubicin resistance in human breast tumor xenograft. Cancer Chemother Pharmacol. 2008 Oct; 62(5):893-902.

4 -Abu Ajaj K, El-Abadla N, Welker P, **Azab S**, Zeisig R, Fichtner I and Kratz F. Comparative evaluation of the biological properties of reducible and acid-sensitive

folate prodrugs of a highly potent doxorubicin derivative. Eur J Cancer. 2012 Sep; 48(13): 2054-65.

5-Eldahshan O. and **Azab SS**, Anti-inflammatory Effect of Apigenin-7-neohesperidoside (Rhoifolin) in Carrageenin-Induced Rat Oedema Model. JAPS, 2 (08); 2012: 74-79.

6- Ashmawy A, **Azab SS** and Eldahshan O. Effects of *Chorisia crispiflora* Ethyl Acetate Extract on P21 and NF- κ B in Breast Cancer Cells. JAS 2012; 8(8):965-972

7-**Azab SS**, Ashmawy A and Eldahshan O. Phytochemical Investigation and Molecular Profiling by p21 and NF- κ B of *Chorisia crispiflora* Hexane Extract in Human Breast Cancer Cells in Vitro. BJPR 2013 – Vol. 3, Issue 1 (January-March), 78-89

8-Abou El Naga RN, **Azab SS**, El-Demerdash E, Shaarawy S, El-Merzabani M, Ammar ES. Sensitization of TRAIL-induced apoptosis in human hepatocellular carcinoma HepG2 cells by phytochemicals. Life Sci. 2013 Mar 21;92(10):555-61.

9-Kratz F, **Azab S**, Zeisig R, Fichtner I, Warnecke A. Evaluation of combination therapy schedules of doxorubicin and an acid-sensitive albumin-binding prodrug of doxorubicin in the MIA PaCa-2 pancreatic xenograft model. Int J Pharm. 2013 Jan 30;441(1-2):499-506.

10-**Azab S**, Abdel-Daim M and Eldahshan O. Phytochemical, cytotoxic, hepatoprotective and antioxidant properties of *Delonix regia* leaves extract. Med Chem Res. September 2013, 22, (9): 4269-4277.

11- Tolba MF, Esmat A, Al-Abd AM, **Azab SS**, Khalifa AE, Mosli HA, Abdel-Rahman SZ, Abdel-Naim AB. Caffeic acid phenethyl ester synergistically enhances docetaxel and paclitaxel cytotoxicity in prostate cancer cells. IUBMB Life 2013 Aug;65(8):699-709.

12- Abdel-Aziz AK, **Azab SS**, Youssef SS, El-Sayed AM, El-Demerdash E and Shouman, S. Modulation of Imatinib cytotoxicity by Selenite in HCT116 colorectal cancer cells. Basic Clin Pharmacol Toxicol, 2015; 116: 37-46.

13- Abdel-Daim M, Farouk S, Madkour F and **Azab S**. Antiinflammatory and Immunomodulatory effects of *Spirulina Platensis* in comparison to *Dunaliella Salina* in acetic acid- induced rat experimental colitis. Accepted for publication in Immunopharmacol Immunotoxicol, Dec 2014.