

# CURRICULUM VITAE OF BASSANT BARAKAT

## **Bassant Barakat Mohamed Hassan, Ph.D.**

Associate Professor of Pharmacology & Toxicology  
Department of Clinical Pharmacy  
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### EDUCATION

**PhD in Pharmacology and Toxicology**, Joint supervision member to the Ohio State University, USA from Al-Azhar University according to the Egyptian Channel and Joint System Program, 2009.

**MS in Pharmacology and Toxicology**, Faculty of Pharmacy, Al-Azhar University, Cairo, Egypt, 2004.

**BS in in Pharmaceutical Sciences**, Faculty of Pharmacy, Al-Azhar University, Cairo, Egypt, 1998.

### PROFESSIONAL POSITIONS

**Associate Professor of Clinical Pharmacy**, Faculty of Clinical Pharmacy, Al Baha University, Al Baha, Saudi Arabia,  
2017-Present.

**Associate Professor of Clinical Pharmacy**, Faculty of Pharmacy, Misr International University, Cairo, Egypt,  
2015- 2017

**Assistant Professor of Clinical Pharmacy**, Faculty of Pharmacy, Misr International University, Cairo, Egypt  
2012-2015

**Assistant Professor of Pharmacology & Toxicology**, Faculty of Pharmacy, Al-Azhar University, Cairo, Egypt  
2009- 2012

**Lecturer of Pharmacology & Toxicology**, Faculty of Pharmacy, Al-Azhar University, Cairo, Egypt  
2004- 2009

**Demonstrator of Pharmacology & Toxicology**, Faculty of Pharmacy, Al-Azhar University, Cairo, Egypt  
1999-2004

### PROFESSIONAL MEMBERSHIPS

**Member**, The Egyptian Society of pharmacology and experimental therapeutics.

### PEER-REVIEWED PUBLICATIONS

El-Mahdy MA, Zhu Q, Wang QE, Wani G, Patnaik S, Zhao Q, Arafa el-SA, **Bassant M. Barakat**, Mir SN, Wani AA. Naringenin protects HaCaT human keratinocytes against UVB-induced apoptosis and enhances the removal of cyclobutane pyrimidine dimers from the genome. Photochem Photobiol. 2008 Mar-Apr; 84(2):307-16. 2007 Dec 15. PMID: [18086244](https://pubmed.ncbi.nlm.nih.gov/18086244/)

- Zhao Q, **Bassant M Barakat**, Qin S, Ray A, El-Mahdy MA, Wani G, Arafa el-SA, Mir SN, Wang QE, Wani AA. The p38 mitogen-activated protein kinase augments nucleotide excision repair by mediating DDB2 degradation and chromatin relaxation. J Biol Chem. 2008 Nov 21; 283(47):32553-61. 2008 Sep 19. PMID: [18806262](#)
- Osman AM, Abdel-Fatah AA, **Bassant M Barakat**, El-Merzebani MM, Damanhoury ZA. Effect of protein depletion on host and tumor response to paclitaxel in experimental animals. International Journal of Pharmacology. 2009 (5) 2: 173-177. DOI: [10.3923/ijp.2009.173.177](#)
- Arafa el-SA, Zhu Q, **Bassant M. Barakat**, Wani G, Zhao Q, El-Mahdy MA, Wani AA. Tangeretin Sensitizes Cisplatin-Resistant Human Ovarian Cancer Cells through Downregulation of Phosphoinositide 3-Kinase/Akt Signaling Pathway. Cancer Res. 2009; 69(23):OF1-8]. PMID: [19903849](#)
- Bassant M. Barakat**, Wang QE, Han C, Milum K, Yin DT, Zhao Q, Wani G, Arafa el-SA, El-Mahdy MA, Wani AA. Overexpression of DDB2 enhances the sensitivity of human ovarian cancer cells to cisplatin by augmenting cellular apoptosis. Int J Cancer. 2010 Aug 15;127(4):977-88. PMID: [20013802](#)
- Arafa el-SA, Zhu Q, Shah ZI, Wani G, **Bassant M. Barakat**, Racoma I, El-Mahdy MA, Wani AA. Thymoquinone up-regulates PTEN expression and induces apoptosis in doxorubicin-resistant human breast cancer cells. Mutat Res. 2011 Jan 10;706(1-2):28-35. PMID: [21040738](#)
- Bassant M. Barakat**, Eman A. Mohamed, Yehia A. Raslan, Wedad A. Hasan, Shaimaa S. Hussein, Sherifa K. Ahmed. Protective effect of multivitamins and alpha-lipoic acid against methotrexate and Leflunomide-induced hepatotoxicity in rats. Egypt. J. Med. Sci. 33 (1) June 2012: 519-541.
- Bassant M. Barakat**. Effect of the chronic treatment with a proton pump inhibitor, rabeprazole, on the complete blood count in mice. Life science journal, 2013, 10 (4) 2647-2653.
- Shymaa E. Bilasy, **Bassant M. Barakat**, Aly A. Shaalan. Addition of a low dose of sitagliptin to repaglinide improves pancreatic islet proliferation and insulin production in experimentally type 2 diabetic rats. Al-Azhar journal of pharmaceutical sciences, 2014, (49), 44-59. DOI:[10.21608/AJPS.2014.6955](#)
- Zaitone SA, **Bassant M. Barakat**, Bilasy SE, Fawzy MS, Abdelaziz EZ, Farag NE. Protective effect of boswellic acids versus pioglitazone in a rat model of diet-induced non-alcoholic fatty liver disease: influence on insulin resistance and energy expenditure. Naunyn-Schmiedeberg's Archives of Pharmacology, 2015, 388(6): 587-600. PMID: [25708949](#)
- Ali EA, **Bassant M. Barakat**, Hassan R. Antioxidant and angiostatic effect of Spirulina platensis suspension in complete Freund's adjuvant-induced arthritis in rats. PLoS One 2015 Apr 8;10(4):e0121523. doi: 10.1371/journal.pone.0121523. PMID: [25853428](#)
- Arab HH, Mohamed WR, **Bassant M. Barakat**, Arafa el-SA. Tangeretin attenuates cisplatin-induced renal injury in rats: Impact on the inflammatory cascade and oxidative perturbations. Chemico-Biological Interactions, 2016; 258, 205-213. PMID: [27616468](#)
- Ameen AM, Elkazaz AY, Mohammad HMF, **Bassant M. Barakat**. Anti-inflammatory and neuroprotective activity of boswellic acids in rotenone parkinsonian rats. Can. J. Physiol. Pharmacol. 2017 Jul;95(7):819-829. PMID: [28249117](#)

**Bassant M. Barakat**, Ahmed HI, Bahr HI, Elbahaie AM. Protective Effect of Boswellic Acids against Doxorubicin-Induced Hepatotoxicity: Impact on Nrf2/HO-1 Defense Pathway. Oxid Med Cell Longev. 2018 Feb 6;2018:8296451. doi: 10.1155/2018/8296451. eCollection 2018. PMID: [29541348](#)

Gardouh AR, **Bassant M. Barakat**, Qushawy MKE, El-Kazzaz AY, Sami MM, Zaitone SA. Antitumor activity of a molecularly imprinted nanopreparation of 5-fluorouracil against Ehrlich's carcinoma solid tumors grown in mice: Comparison to free 5-fluorouracil. Chem Biol Interact. 2018 Nov 1;295:52-63. doi: 10.1016/j.cbi.2018.04.019. Epub 2018 Apr 17. PMID: [29678497](#)

Mehanna ET, **Bassant M. Barakat**, ElSayed MH, Tawfik MK. An optimized dose of raspberry ketones controls hyperlipidemia and insulin resistance in male obese rats: Effect on adipose tissue expression of adipocytokines and Aquaporin 7. Eur J Pharmacol. 2018 Aug 5;832:81-89. doi: 10.1016/j.ejphar.2018.05.028. Epub 2018 May 19. PMID: [29787773](#)

Azza A. Ali, Hebatalla I. Ahmed, **Bassant M. Barakat**, Hemat A. Elariny: Impact of Sensory Contact Model on Psychosocial Stress and Correlation with Immunological Changes. Journal of Exploratory Research in Pharmacology; 3(1):19-29, 2018. DOI: [10.14218/JERP.2017.00017](#).

Bahr HI, Abdelghany AA, Galhom RA, **Bassant M. Barakat**, Arafa EA, Fawzy MS. Duloxetine protects against experimental diabetic retinopathy in mice through retinal GFAP downregulation and modulation of neurotrophic factors. Exp Eye Res. 2019 Sep;186:107742. doi: 10.1016/j.exer.2019.107742. Epub 2019 Jul 22. PMID: [31344388](#)

Fayed HA, **Bassant M. Barakat**, Elshaer SS, Abdel-Naim AB, Menze ET. Antiosteoporotic activities of isoquercitrin in ovariectomized rats: Role of inhibiting hypoxia inducible factor-1 alpha. Eur J Pharmacol. 2019 Nov 9;172785. doi: 10.1016/j.ejphar.2019.172785. [Epub ahead of print] PMID: 31712059. PMID: [31712059](#)

Saleh Alghamdi, **Bassant Barakat**, Ilhem Berrou, Abdulhakim Alzahrani, Abdul Haseeb, Mohamed Anwar Hammad, Sirajudheen Anwar, Abdulmajeed Abdulghani A Sindi, Hussain A Almasmoum, Mohammad Albanghali. Clinical Efficacy of Hydroxychloroquine in Patients with COVID-19: Findings from an Observational Comparative Study in Saudi Arabia. Antibiotics (Basel). 2021 Mar 31;10(4):365. doi: 10.3390/antibiotics10040365. PMID: [33807320](#)

## POSTER PRESENTATIONS PRESENTED AT PROFESSIONAL MEETINGS

Attending and presenting research data at the 9th Annual Midwest DNA Repair Symposium at Pittsburgh University, Pennsylvania, USA. **Poster Presentation** (Awarded the fourth best poster prize) 2008

Presenting research data at the American Association of Cancer Research Annual Meeting in San Diego, California, USA. **Poster Presentation**, April 12-16, 2008