

Curriculum Vitae
Hussein Ali Al-Sawaf
Professor of Biochemistry
Biochemistry Department

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1. Personal Information

First Name / Sure Name: Hussein Al Sawaf

Nationality: Egyptian

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Gender: male

2. Education

- Fellowship of J Hillis Muller Health Center, University of Florida, Cainseville, Florida, USA, 1981 - 1983.
- Ph. D. Biochemistry, College of Pharmacy, Cairo University, 1977.
- M.Sc. Biochemistry, College of Pharmacy, Cairo University, 1971.
- B. Pharm. Sci., College of Pharmacy, Cairo University, 1964.
- Recognition of Excellence , College of Medicine, Taibah University, Saudi Arabia, 2005.

3. Professional Experience

- Professor of Clinical Biochemistry,..College of Medicie, Taiebah University, Al-Madinah Al-Monawarah, Saudi Arabia from 2002 to 2011.
- Professor of Biochemisty, College of Pharmacy,Alazhar University, Cairo,Egypt from 2001 to 2002.
- Professor of Biochemistry, College of Pharmacy, King Saud University, Ryiadh, Saudi Arabia from 1986 to 2001.
- Associate Professor & Head, Department of Pharmacology & Biochemistry, Al-Azhar University, Cairo, Egypt from 1983 to 1986.

- Visiting Assistant Professor, Department of Medical Chemistry, J Hillis Muller Health Center, University of Florida, Gainesville, Florida, USA, from 1981 to 1983.
 - Lecturer of Biochemistry, Department of Pharmacology & Biochemistry, College of Pharmacy, Alazhar University, Cairo, Egypt. From 1978 to 1981.
 - Researcher, Environmental Health (EH) Laboratories, National Research Center (NRC), Dokki, Cairo, Egypt, From 1977 to 1978
 - Assistant Researcher, EH laboratories, NRC ,Dokki ,Cairo ,Egypt ,from 1965 to 1977.
 - Assistant Researcher, Department of Research & Development, Al-Kahira Pharmaceutical Company ,Shobra, Cairo , Egypt from 1964 to 1965
 - Head, Department of Pharmacology & Biochemistry, College of Pharmacy ,AL- Azhar University, from 1983 to 1986.
- Coordinator, Department of Clinical Biochemistry, College of Medicine, Taibah University , from 2002 to 2011.
- Member of the college councils of the following institutions:
- College of Pharmacy , Al-Azhar University, from 1983 to 1986.
 - College of Medicine ,Taibah University, from 2002 to 2007.
 - College of Dentistry , Taibah University, from 2006 to 2008.
 - College of Pharmacy , Taibah University, from 2006 to 2009.

5. Professional & Technical Skills

Supervisor of:

six thesis for Master degree , three thesis for PhD degree (College of Pharmacy, Al-Azhar Univ ,between 1979 and1986.) , and six thesis for Master degree(College of Pharmacy, King Saud Univ, between 1986 and 2000).

Major area: Biochemical Toxicology. Fine area : Oxidative stress .

Principle Investigator of:

Two research projects in the area of oxidative stress and anti-oxidants, funded by NRC, Dokki, Cairo (200,000 EP) and AL Azhar University ,Cairo(100,000 EP).

Co-investigator in:

Two research projects, funded by King Saud University,Riyadh,Saudi Arabia (!00,000 SR each)in the area of oxidative stress of drugs and chemicals in animal models. In addition, three projects funded by Taibah University,Al-Madina ,Saudi Arabia (180,000 SR each approx) in the area of clinical applications of antioxidants to alleviate oxidative stress in bone surgery, coronary artery disease and type -2 diabetic patients.

Teaching Experience:

-Undergraduate courses of Biochemistry and Clinical Biochemistry and Genetics for students of Pharmacy, Medicine and Dentistry (Al-Azhar Univ., King Saud Univ. & Taibah Univ.)

6. Personal Skills

Computer Skills	Self Assessment		
	Excellent	Good	Fair
Microsoft Office	✓		
Language Skills	Excellent	Good	Fair
Arabic	✓		
English	✓		

7. Scientific Activities

Publication: (selected articles)

1. GA Sayed, HA Al-Sawaf, AH Al-Sawaf, M Saeid, A Maged, IH Ibrahim Mitochondrial DNA in Fresh versus Frozen Embryo Culture Media of Polycystic Ovarian Syndrome Patients Undergoing Invitro Fertilization: A Possible Predictive Marker of a Successful Pregnancy, *Pharmgenomics Pers Med.* 2021; 14: 27–38.
2. M Fakhry, A Ramadan, D Abo-El-Mattyorcid, N Mesbahorcid, H Sawaf, A possible novel co-relation of locus 7q11 rs1761667 polymorphism with the severity of preeclampsia in Egyptian pregnant women Meta Gene
Volume 24, June 2020, 100650
3. HusseinAl-Sawaf, ZeinabHassan, Sameh Hossam An investigative study of antitumor properties of a novel thiazolo[4,5- d]pyrimidine small molecule revealing superior antitumor activity with CDK1 selectivity and potent pro-apoptotic properties, *Bioorganic & Medicinal Chemistry* Volume 28, Issue 17, 1 September 2020, 115633, 2020.
4. Heba Taha, Sameh H. Mohamed, Hussein Al-Sawaf, Zeinab Hassan Evaluation of roscovitine anticancer agent as a reference compound for cancer and apoptosis studies, *Journal of Innovations in Pharmaceutical and Biological Sciences (JIPBS)* 2019. Vol. 6 (4), 53-56
5. Sandukji , A., H.A.AL-Sawaf , Mohamadin A. , Alrashidi ,Y. & Sheweita , SA. Oxidative stress and bone markers in plasma of patients with long- bone fixative surgery: role of antioxidants. *Human & Experimental Toxicology (France)* ,30(6)435-442 (2011).
6. Salah A. Sheweita, Abdulkarim M. Telmisany and H. A. Al-Sawaf. Mechanisms of Male Infertility: Role of antioxidants. *Current Drug Metabolism, (USA)* 6;495-501, (2005)
7. Mansour, M.A., Ginawi, O.T., Al-Hadiyah, T.H., Al-Khatib, A.S., Al-Shabanah, O.A. and H.A.. Al-Sawaf, Effects of volatile oil constituents of *Nigella sativa* on carbon tetrachloride-induced hepatotoxicity in mice; evidence for antioxidant effects of thymoquinone. *J. Res. Commun. Mol. Pathol. Pharmacol.,(USA)*, 110.(2001).
8. Nagi M.N., Alam K., Badary O.A, Al-Shabanna, O.A.,H.A. Al-Sawaf and Al-Bekairi, A.M. Thymoquinone protects against carbon tetrachloride hepatotoxicity in mice via an antioxidant mechanism. *Biochem. Mol. Biol. Internat., (Australia)*, 47 (1), 153-159, (1999).
9. Othman A. Al-Shabanah, Osama A. Badary, Najji, M. Al-Gharably and H. A. Al-Sawaf. Effects of L-Histidinol on the antitumour activity and acute cardiotoxicity of doxorubicin in mice. *Pharmacological Res., (Italy)*, 55 (2), 220-225, (1998).

10. Amal, A. Abd El-Fattah, Hanan, M. Al-Yousef, Abdullah, M. Al-Bekairi and H. A. Al-Sawaf. Vitamin E protects the brain against oxidative injury stimulated by excessive aluminum intake. *Biochem. Mol. Biol. Internat.*, (Australia), 46 (6), 1175-1180, (1998).
11. Osama A. Badary, Mahmoud N. Nagi, H.A. Al-Sawaf, Mohammed Al-Harbi and Abdullah M. Al-Bakairi. Effect of L-Histidonol of Cisplatin Nephrotoxicity in the rat. *Nephron* (Switzerland) (77), 435-439, (1997).
12. Osama A. Badary, Mahmoud N. Nagi, Othman A. Al-Shabanah, H. A. Al-Sawaf, Mohammed O. Al-Sohaibani and Abdullah M. Al-Bekairi. Thymoquinone ameliorates the nephrotoxicity induced by cisplatin in rodents and potentiates its antitumour activity. *Canadian J. Physiol. Pharmacol.* (Canada), (75), 12, 1356-1361, (1997).
13. M.M. Al-Harbi, H.A. Al-Sawaf, O.A. Al-Shabanah, N.M. Al-Gharably and M.W. Islam. Gentamycin and cyclosporine increase total soluble thiols in the plasma and lymphocytes of rats and perturb erythrocytes fragility. *Med. Sci. Res.* (England), 25, 155-157, (1997).
14. Nagi M. Al-Gharably, Osama A. Badary, Mahmoud N. Nagi, Othman A. Al-Shabanah, H. A. Al-Sawaf, Ammar C. Al-Rikabi and Abdullah M. Al-Bekairi. Protective effects of thymoquinone against carbon tetrachloride-induced hepatotoxicity in mice. *Res. Comm. Pharmacol. Toxicol.*, (USA), 2 (1&2), 41-50, (1997).
15. N.M.A. Al-Gharably, T.K. Ghoul, A.M. Al-Bekairi, A.F. Tawfik and H.A. Al-Sawaf. A possible role of lymphocyte glutathione in the immuno-stimulatory mechanisms of cisplatin in rats. *Res. Comm. Pharmacol. Toxicol.*, (USA), 2 (4), 251-260, (1997).
16. Al-Shabanah, M.A. Mansour, M.N. Nagi, H.A. Al-Sawaf and A.M. Al-Bekairi. Does captopril scavenge superoxide radical? *Med. Sci. Res.* (England), 25, 841-843, (1997).
17. Fatima S. Abulaban, Salam M. Saadeddin, H. A. Al-Sawaf and Abdullah M. Al-Bekairi. Effect of aging on the levels of selenium in the lymphoid tissues of rats. *Med. Sci. Res.* (England) 25, 303 – 305 (1997).
18. Al-Shabanah, Y.H. Mostafa, M.T. Hassan, A.A. Khairaldin and H.A. Al-Sawaf. Vitamin E protects against bacterial endotoxin-induced increase of plasma corticosterone and brain glutamate in the rat. *Res. Comm. Mol. Path. Pharmacol.* (USA), 92 (1), 95-105, (1996).
19. M.N. Nagi, A.M. Al-Bekairi and H.A. Al-Sawaf. Spectrophotometric assay for superoxide dismutase based on the nitroblue tetrazolium reduction of glucose-glucose oxidase. *Biochem. Mol. Biol. Internat.* (Australia), 36 (3), 633-638, (1995).
20. M. Al-Bekairi, M.N. Nagi, H.A. Shoeb and H.A. Al-Sawaf. Evidence for superoxide radical production by a simple flavoprotein : glucose oxidase. *Biochem. Mol. Biol. Internat.* (Australia), 34 (2) 233-238, (1994).

Conferences

- Presentation of more than twenty research papers in national and international scientific meetings (between 1977 and 2006).
- Organizing three workshops in the area of Diagnostic Biochemistry , King Saud University ,Riyadh, KSA , 1989 ,1992 and 1997.
- Organizing (General Secretary) of the third international conference of Pharmaceutical Sciences, Alazhar University ,Cairo, Egypt,2001.

Non- Curricular Activities:

- Founder and Supervisor of the Theater Club, Taibah University from 2003 to 2010
 - Writer and director of nine arabic theater plays, all have been conducted through special events at Taibah University Great ceremonies Hall , between 2003 and 2009. One of which entitled “ Tarek Ben Ziad Court “ has been presented through “The first Theater festival of the Gulf Universities, Kuwait , 2006”.
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