

السيرة الذاتية  
احمد محمد محمد التواتي  
استاذ علم ادوية



معلومات شخصية:-  
العنوان:  
قسم علم الادوية  
كلية الصيدلة جامعة طرابلس  
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### Academic Degrees

**PhD** (Neurochemical Physiology and Pharmacology), Southampton University, UK, 1994.

**Thesis title:** Neurochemical studies on the role of glycine as a neurotransmitter in rat brain

**Bachelor of Science** (Pharmacy), Tripoli, Libya, 1987/88.

### **Research Interests**

1. Neurochemical Pharmacology and neurodegenerative disease.
2. Behavioral Pharmacology.
3. Pharmacy education.

### **Leadership Experience**

1. Curriculum development committee, Faculty of Pharmacy, Tripoli University.
2. Member of Study and Examinations Committee Faculty of Pharmacy, Tripoli University.
3. Member of the postgraduate committee at Department of Pharmacology, Tripoli University, Libya (2005 to 2007)
4. Member of college of pharmacy, Ajman University, accreditation committee (2003-2005)

### **University Teaching Experience:**

1. Professor in Dept. of Pharmacology and Clinical Pharmacy, Faculty of Pharmacy, Tripoli University, Tripoli Libya. (August 2019 – up to date)
2. Associate Professor in Dept. of Pharmacology and Clinical Pharmacy, Faculty of Pharmacy, Tripoli University, Tripoli Libya. (Sep. 2006 – August 2018)
3. Assistant Professor in Dept. of Pharmacology and Clinical Pharmacy, Faculty of Pharmacy, Tripoli University, Tripoli Libya. (Sep. 2005 – Aug. 2006).
4. Assistant Professor in Dept. of Pharmacology, Faculty of Pharmacy & health Sciences, Ajman University of Science & Technology. Ajman - UAE. (Sep. 2003 – Aug 2005).
5. Assistant Professor in Dept. of Pharmacology, and Clinical Pharmacy, Faculty of Pharmacy, Tripoli University, Tripoli Libya. (Sep. 1997 – 2003)
6. Assistant Professor in Dept. of Pharmacology, and oral biology, Faculty of Dentistry, Tripoli University, Tripoli Libya. (Sep. 1994 – Aug 1997)
7. Pharmacology demonstrator for MSc. students at Southampton University 1990-1994.

**Courses Taught:****Graduate Courses:**

- 1- Therapeutics and Clinical Pharmacology: Drugs acting on kidney, blood, cardiovascular central nervous system, chemotherapy, endocrinology, and respiratory systems. Phases of clinical trials.
- 2- General Pharmacology: Pharmacokinetic & pharmacodynamic, autonomic nervous system and Physiology of some systems.
- 3- General Toxicology: Toxicokinetics & Toxicodynamic, factors affecting toxicology, chemical carcinogens, teratogens, and genetic toxicology.
- 4- Systemic Toxicology: Toxic responses of several systems (e.g., eye, liver, kidney, skin, heart, blood and respiratory).
- 5- Anatomy and Physiology for Pharmacy Students.
- 6- Biological Assay (screening methods in pharmacology): Principles of biological assay, assay of drugs and screening of compounds for ANS, CVS, CNS, respiratory, etc
- 7- Different pharmacology laboratories techniques for Pharmacy and dental students
- 8- Pathophysiology for Pharmacy Students.
- 9- Biostatistics for Pharmacy Students.

**Postgraduate Courses:**

1. Pathophysiology and Pharmacotherapy (Clinical Cases)
2. Pathophysiology and Pharmacotherapy I. [Master Program Course]

**ACADEMIC INTERESTS**

Studies so far have concentrated on the allosteric regulation of the NMDA receptor by glycine in crude synaptic plasma membranes, post-synaptic density membranes, solubilized NMDA receptors and the elucidation of their anatomical pathways using a variety of lesioning techniques (striatal quinolinic acid lesion and frontal cortical lesion) looking for changes in [<sup>3</sup>H]Glycine uptake. Striatal glycine and glutamate release studies (exogenous & endogenous). And also interested in the study of Alzheimer's, Huntington's, and Parkinson's diseases. Recently, I started looking at the effects of Obesity in children in the Arab countries. Furthermore, studying and evaluating the knowledge among students at Health Sciences faculties and the graduated Pharmacists to serve the community in a better way.

## Projects:

I have successfully supervised more than 40 undergraduate student's research projects for the award of BPharm during the last 24 years of my academic carrier. Some of them were published in international journals.

## Published Articles:

1. **Ahmed M. Tawati**, Faeza Al-Teni, Abduekmula R. bduekmula. A prevalence study of any hypotensive effect of dapagliflozin (Farxiga®) among diabetic patients in Tripoli Central Hospital. (In Preparation)
2. Abduekmula AR, Hamrouni MM , Alhmadi MM , **Tawati AM.** Osteoporosis Related Knowledge and Attitudes: The Scenario in Tripoli, Libya. J Med Biomed App Sci **2019** 7 (7), 272–281.  
[https://www.researchgate.net/publication/335176272\\_Osteoporosis\\_Related\\_Knowledge\\_and\\_Attitudes\\_The\\_Scenario\\_in\\_Tripoli\\_Libya](https://www.researchgate.net/publication/335176272_Osteoporosis_Related_Knowledge_and_Attitudes_The_Scenario_in_Tripoli_Libya)
3. Abduekmula R. Abduekmula, Samarkand M. Fizga, **Ahmed M. Tawati**, Fathi M. Sherif, An assessment of Quality of Life in Libyan Patients Undergoing Hemodialysis. European Journal of Pharmaceutical and Medical Research, **2017**; 4(6): 70-75.  
[https://www.researchgate.net/publication/317286056\\_An\\_assessment\\_of\\_quality\\_of\\_life\\_in\\_Libyan\\_patients\\_undergoing\\_hemodialysis](https://www.researchgate.net/publication/317286056_An_assessment_of_quality_of_life_in_Libyan_patients_undergoing_hemodialysis)
4. Y. A. Taher , H. M. ben Emhemed and **A. M. Tawati** Menopausal age, related factors and climacteric symptoms in Libyan women. CLIMACTERIC **2013** ;16:179–184.  
[https://www.researchgate.net/publication/228323519\\_Menopausal\\_age\\_related\\_factors\\_and\\_climacteric\\_symptoms\\_in\\_Libyan\\_women](https://www.researchgate.net/publication/228323519_Menopausal_age_related_factors_and_climacteric_symptoms_in_Libyan_women)
5. Yousef A. Taher, Hajir M. Ben Emhemed and Ahmed M. Tawati The Menopausal Experience of Libyan Women JMJ, **2009** Vol.9, No.3, 184-190
6. Abduekmula R Abduekmula, Hawa El-Shareif, **Ahmed M Tawati**. Strategies other than medications to protect health of our nation from the obesity-driven epidemic of type 2 diabetes. The International Journal of Excellence in Healthcare **2008**; 2(1):ISSN: 1993-8640.
7. **Ahmed Tawati**; Fathi M. Sherif. An evaluation of the prescribing pattern of medicines in healthcare centers in Libya. FIPS **2007**, Beijing, China.
8. Y.M.S. Kattaya, M.M. Al-Shakarchi, H.M. Abdulal, R.M. Pacha, A.R. Abdulkarem &

**A.M. Tawati** Is it Time To Tackle Childhood Obesity in UAE? **2006** p. 214 1<sup>st</sup>  
Conference on Recent Advances in the Prevention and Treatment of Childhood and  
Adolescent Obesity. Vancouver, BC. Canada

9. . M. Aburawi; R. A. Altubuly; G. A. Mansour; S. H. Frieg; F.M. Sherif; & A. M. Tawati  
Diazepam-induced sleep and drug interaction. **2003** p. 29. The 4<sup>th</sup> Libyan National

Conference on Pharmaceutical Sciences.

10. S. M. Aburawi; M.E. Mansour; **A. M. Tawati**; & F.M. Sherif Diazepam effect on acetylcholine-induced ileum contraction and drug interaction. **2003** p. 17. The 4<sup>th</sup> Libyan National Conference on Pharmaceutical Sciences.
11. Fathi M. Sherif; **Ahmed M. Tawati**; Hanan S. Abushwereb; & Suher M. Aburawi Influence of Vigabatrin on behaviour in rats upon diazepam withdrawal. Neuroscience **1999**, Vol. 4 (4):278-283.
12. Fathi M. Sherif; **Ahmed M. Tawati**; Saleem S. Ahmed & Suleiman I. Sherif. Basic aspects of GABA-transmission in alcoholism, with particular reference to GABA-transaminase. E.Neuropsychopharmacology **1997**, 7, 1-7.
13. Rim .Elkikly; **Ahmed Tawati** & Fathi.Sherif. Dose and time-response curve of Vigabatrin and Pentobarbitone. **1995**, p. 148. 3<sup>rd</sup> Jamahiriya Medical Sciences conference.
14. ) Sherif,F.M; Abushwereb,H; **Tawati. A.** and Orelan. Effects of diazepam withdrawal and Vigabatrin on exploratory behaviour of rats. European Winter Conference on Brain Research, 15<sup>th</sup> meeting EWCBR, abstract, **1995** March 11-18, L'Alpe D'Huez, France.
15. **A.M.Tawati** and P.J.Roberts, Is glycine a co-transmitter at glutamate-operated synapses in the rat striatum? Neurochemistry International **1992**, vol.21,sup. B14.

### **Congress and Workshop Supervision:**

1. Libyan Society for Pharmaceutical Sciences, Libyan Board for Medical Specialization (LBMS) and Faculty of Pharmacy, Tripoli University of Medical Sciences. Organized clinical pharmacy workshop days 05, 07, 09, August 2007 Tripoli, Libya entitled: Towards better start of clinical pharmacy in Libya.

### **Conference:**

1. 3<sup>RD</sup> Libyan Conference on Medical and Pharmaceutical Sciences, University of Tripoli, Alahlia. April 2019.
2. 2<sup>nd</sup> Libyan Conference on Medical and Pharmaceutical Sciences. University of Tripoli, Alahlia. April 2018.
3. 1<sup>st</sup> Libyan Medical Research Conference, Faculty of Medicine, University of Tripoli, September 20-22, 2015 Tripoli-Libya.
4. The 1<sup>st</sup> Scientific Day for the Libyan Graduate Pharmacists. Tripoli, University, Tripoli, Libya 16-21 April, 2014.
5. Title: Pharmacist as a member of primary health care team: Are we ready to take the challenge
6. Union Des Pharmaciens Arabes. 28<sup>th</sup> Congres Scienfiques. 08-09 February 2013. Alfrane, Maroc.
7. Title: Prescribing pattern of selected agents at general medicine department, Tripoli Central Hospital, Libya.
8. Conducting research in medical practice: professional use of SPSS in medical based research. Libyan Board for Medical Specialization (LBMS), Tripoli Central Hospital, August 2009.
9. The 14th DUPHAT, Dubai, UAE, 2009.
10. Side effects and misuse of antihypertension drugs among elderly in Tripoli. The 6<sup>th</sup> national pharmaceutical sciences conference Misurata-Libya 2-4 April 2007.
11. Our Children-Our Life-Their health-Our concern. The 2nd Approach Student Scientific Conference. Ajman-UAE, May 2006.

### **Invited as lecturer for universities and hospitals**

1. Tripoli Diabetic Centre. Clinical Pharmacology Continuous Education Program. 02/01/2013, Tripoli, Libya.
2. Tripoli Central Hospital. Clinical Pharmacology Continuous Education Program. 01/01/2013, Tripoli, Libya.
3. Tripoli Paediatric Hospital. Clinical Pharmacology Continuous Education Program. 26 and 31/12/2012, Tripoli, Libya.
4. Pathophysiology and pharmacotherapy for Cardiovascular disease, Parkinson diseases, and Epilepsy. 4th Medical Students. Sebha Medical University. Sebha, Libya (21-26/1/2009).
5. Drug prescribing in elderly, paediatrics, and pregnancy. 4th Medical Students. Sebha Medical University. Sebha, Libya (21-24/3/2008).
6. Teaching of Toxicology Course 5th Year Pharmacy Students. Faculty of Pharmacy, Tripoli University. Tripoli, Libya (January 2008).
7. Teaching of Clinical Pharmacy Course: Pharmaceutical care of CNS disorders: The case of epilepsy. 4th Year Pharmacy Students. Faculty of Pharmacy, Benghazi University. Tripoli, Libya (December 2007).
8. How to maintain normal blood glucose level and how to manage hypoglycemia in diabetic patients? Al-Nekat Alkhams Medical University. Alkhams, Libya (June 28, 2007).
9. SSRI role in depression, Course for MSc students at Faculty of Pharmacy, Al-Arab Medical University. Benghazi, Libya (July 7, 2007).

### **Invited Examiner:**

1. B.Pharm degree final Examinations at faculties of pharmacy in different regions of Libya (Zawiya, Benghazi, Alkhomos and Sabha).
2. MSc Examiner at Libyan Academy in Janzur, Libya.

### **Consultation:**

- \* SOH Pharmacotherapy consultant.
- \* ASIA Drug import and distribution.
- \* Gamma Company for Inspection and Consultancy Ltd.



**Training Courses attendant:**

- Methods of writing Examinations
- International Pharmacist Graduation Program.

**References:**

- **Prof. Fathi Mohamed Sherif**

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