

Dr. Salma A. Bukhatwa

Name: Salma Abdelkerim Bukhatwa

Email: salma.bukhatwa@limu.edu.ly, sbukhatwa@icloud.com

Cellular: 00218917240179 / 00218928453790

Country of Residency: Libya

First Language: Arabic

Second Language: English

Academic Background:

- ✓ Bachelor of Pharmaceutical Sciences, Faculty of Pharmacy, Tripoli University, Tripoli, Libya, 1989
- ✓ MSc in Pharmacology, Faculty of Medicine, University of Benghazi, Benghazi, Libya, 1998
- ✓ PhD in Pharmacology, King's College London, London, UK, 2008

Current position:

Dean, Faculty of Pharmacy, Libyan International Medical University, Benghazi, Libya

Experience:

Job Nature	Employer Name	From	To
Editor	Libyan International Medical University Journal	2016	date
Dean, Faculty of Pharmacy	Libyan International Medical University	2015	date
Academic Visitor to Neurodegenerative Diseases Research Group	Institute of Pharmaceutical Science, King's College London, London, UK	March 2014	July 2014
Head of Pharmacology Department	Faculty of Pharmacy, Libyan International Medical University (LIMU), Benghazi, Libya	2012	2014
Head of Pharmacology and Toxicology Department	Faculty of Pharmacy, University of Benghazi, Benghazi, Libya	2012	2013
Head of Studying and Examination Office	Faculty of Pharmacy, University of Benghazi, Benghazi, Libya	2012	2013
Editor	The Libyan Journal of Pharmacy and Clinical Pharmacology	2012	2013
Reviewer	Journal of Pharmacy and Pharmacology	2012	2014
Assistant Professor	Faculty of Pharmacy, University of Benghazi, Benghazi, Libya	2012	Date
Lecturer	Faculty of Pharmacy, University of Benghazi, Benghazi, Libya	2009	2012
GMP in Pharmaceutical Industry : Inspector	Libyan Ministry of Health, Tripoli, Libya	2010	2010
External Inspector and Auditor for Libyan Educational Institution	National Quality Assurance and Accreditation Center, Tripoli, Libya	2010	Date
Technical Affairs Position	National Company of Drugs and Medical Supplies, Benghazi, Libya	2003	2004

Assistant Lecturer	Faculty of Pharmacy, University of Benghazi, Benghazi, Libya	2000	2004
Head of Pharmacy Department	Al-Jalaa Hospital, Benghazi, Libya	1990	1997

Publications:

Year	Publications in Peer Reviewed Journals
2017	<u>Khalifa AA, Bukhatwa SA, Elfakhri MM.</u> Antibiotics Consumption in the Eastern Region of Libya 2012-2013. <i>LIMUJ.</i> 2017; 1:55-63
2016	<u>Elfakhri MM, Bukhatwa SA.</u> Higher education in Libya: Challenges and future plans (in Arabic language). <i>LIMUJ.</i> 2016; 1:27-34
2010	<u>Bukhatwa S,</u> Zeng BY, Rose S and Jenner P. The effects of dose and route of administration of PSI on behavioural and biochemical indices of neuronal degeneration in the rat brain. <i>Brain Res.</i> 2010; 1354:236-42
2010	<u>Bukhatwa S,</u> Zeng BY, Rose S and Jenner P. A comparison of changes in proteasomal subunit expression in the substantia nigra in Parkinson's disease, multiple system atrophy and progressive supranuclear palsy. <i>Brain Res.</i> 2010; 1326:174-83
2009	<u>Bukhatwa S,</u> Iravani MM, Zeng BY, Cooper J, Rose S and Jenner P. An immunohistochemical and stereological analysis of PSI-induced nigral neuronal degeneration in the rat. <i>J Neurochem.</i> 2009; 109(1):52-9
2006	Zeng BY, <u>Bukhatwa S,</u> Hikima A, Rose S and Jenner P. Reproducible nigral cell loss after systemic proteasomal inhibitor administration to rats. <i>Ann Neurol</i> 2006; 60:248-252

Date & Place	Scientific Conferences
Conference of Scientific Research & Sustainable Development 25 th - 27 th December 2017, Benghazi, Libya	<u>Salma A Bukhatwa,</u> Iman Elmahdi, Elzahra Buzariba, Ruwida Sinini, Maryam Saleh, Hanin Newisry, Amna Bugrain, Samah Eltyb and Mustafa M Elfakhri (2017): Establishment of Libyan Competency Frameworks for Health Care Education and Services
First International Conference of Al- Kitab University College in cooperation with Lund University, Sweden: In the conference held in Baghdad / Iraq at 14/12/2017 under the slogan: "By science we raise the society"	<u>Salma A Bukhatwa</u> (2017): Moving Towards Inlegrated Pharm D Curriculum: LIMU Experience.

<p>First Libyan conference on Pharmacy Practice 29-30 July 2017, Benghazi, Libya</p>	<p>Salma A Bukhatwa, Iman Elmahdi, Elzahra Buzariba, Hwuida Maghoud, Nairouz Alathram, Asma Buanz, Hana A Habib Saad, Maryam Saleh, Amna Bugrain, Najwa Mohamed, Ruwida Sinini, Esra El Naili, Nazik M Ali Hamad, Abdalla M Omran Elmugassabi, Tamer M Elfaidy, Samah Eltyb Elnoor, Mohamed Baraka, Mohamed Moustafa, 5Ibrahim Labouta, Mohamed S Ambarak, Adel I Al-Tawaty, Mustafa M Elfakhri (2017): INTEGRATING PHARMACY PRACTICE INTO FIRST YEAR PHARMD CURRICULUM</p>
<p>Annual Scientific Conference of the Arab Association of pharmacist progress: PHARMACY VISION 2030 "Education, Profession and Pharmaco-Regulations" Intercontinental City Stars, March 30th to April 1st 2017</p>	<p>Mustafa M Elfakhri and Salma A Bukhatwa (2017): Competency-Based Pharmacy Education.</p>
<p>The 19th Annual Congress of the Scientific Association of Colleges of Pharmacy in the Arab World, 18th – 20th October, 2016, Beirut – Lebanon</p>	<p>Makpula A Tarhuni, Aisha A. Derbash, Salma A Bukhatwa (2016): Depigmentation therapy for vitiligo amongst Libyan patients.</p>
<p>The 17th Annual Congress of the Scientific Association of Colleges of Pharmacy in the Arab World, 14th – 16th October, 2014, Cairo – Egypt</p>	<p>Afia A Khalifa, Salma A Bukhatwa, and Mustafa Elfakhri (2014): Antibiotics consumption trend in Libya 2012-2013</p>
<p>The FIP World Congress 2014: Access to medicines and pharmacists today, better outcomes tomorrow, 31 August – 4 September, 2014, Bangkok, Thailand</p>	<p>Salma Bukhatwa, Sara Trabelsi, Afia Abduelmula and Mustafa Elfakhri (2014): Antibiotics misuse in Libya: Observational study.</p>
<p>The National Conference for Higher Education: Current situation and Challenges, 13th - 14th April, 2014, Tripoli – Libya</p>	<p>Mustafa Elfakhri, Salma A Bukhatwa, Omar Sabri, Rehan Monir and Yasser Kandil (2014): A proposal for National Academic Reference Standards (NARS) for pharmacy education programs in Libya.</p>
<p>The 16th Annual Congress of the Scientific Association of Colleges of Pharmacy in the Arab World, 4th – 7th November, 2013, Benghazi – Libya</p>	<p>Mustafa Elfakhri, Abdalla Elhuwegi and Salma A Bukhatwa (2013): Towards development of Pharmacy education in Libya: A future perspective.</p>

<p>The 16th Annual Congress of the Scientific Association of Colleges of Pharmacy in the Arab World, 4th – 7th November, 2013, Benghazi – Libya</p>	<p>Marwa BenNaser and <u>Salma A Bukhatwa (2013)</u>: Prevalence of psychostimulant drug abuse among Libyan students.</p>
<p>The 16th Annual Congress of the Scientific Association of Colleges of Pharmacy in the Arab World, 4th – 7th November, 2013, Benghazi – Libya</p>	<p>Sara Eltrapolsi and <u>Salma A Bukhatwa (2013)</u>: Evaluation of rational use of antibiotics in Benghazi-Libya 2013.</p>
<p>The 16th Annual Congress of the Scientific Association of Colleges of Pharmacy in the Arab World, 4th – 7th November, 2013, Benghazi – Libya</p>	<p>Hussain Abdulsalam Kablan, Abdulsalam Bofraaj Al-mabrouk, Issa Muftah Mohamed, Mohamed Muftah Emghaib and <u>Salma A Bukhatwa (2013)</u>: New advances in treatment of diabetic ulcer.</p>
<p>The 2nd International Summit on Toxicology, 7th -9th October, 2013, Las Vegas - USA</p>	<p><u>Salma A Bukhatwa</u>, Bai-Yun Zeng, Sarah Rose and Peter Jenner <u>(2013)</u>: Factors affecting reproducibility of proteasomal inhibition following PSI systemic administration to experimental animals.</p>
<p>The 4th International Scientific Conference of Faculty of Pharmacy Cairo University, 24th -25th April, 2013, Cairo - Egypt</p>	<p>Mustafa M. Elfakhri and <u>Salma A Bukhatwa (2013)</u>: A proposal for a versatile pharmaceutical education program.</p>
<p>The 2nd International Conference of Benghazi Medical Center, 29th - 31st March, 2013, Benghazi - Libya</p>	<p><u>Salma A Bukhatwa</u>, Samar A. Bukhatwa and Mustafa M. Elfakhri <u>(2013)</u>: A novel strategy for delivering problem based education to pharmacy students.</p>
<p>The 3rd Scientific conference of Faculty of Pharmacy in Zagazig University, 7th, March, 2013, Zagazig – Egypt</p>	<p><u>Salma A Bukhatwa (2013)</u>: Understanding the potential role of phenolic compounds in dopaminergic neuroprotection in Parkinson’s disease.</p>
<p>The 15th Annual Congress of the Scientific Association of Colleges of Pharmacy in the Arab World and the 3rd International Conference of the Faculty of Pharmacy/University of Jordan, 9th – 11th October, 2012, Amman – Jordan</p>	<p><u>Salma A Bukhatwa (2012)</u>: Drug prescribing trends in Libya (1991-2012): A vision for the future.</p>

<p>The 14th Annual Congress of the Scientific Association of Colleges of Pharmacy in the Arab World and the 2nd International Conference of the College of Pharmacy and Health Sciences, 7th – 9th February, 2012, Ajman University of Science & Technology (AUST), Ajman – UAE</p>	<p><u>Salma A Bukhatwa</u>, Tarek Y. Alzwy and Mansour A. Alfarjany (2012): Market purchasing trends for drugs at private pharmacies in Benghazi–Libya (2009/2010)</p>
<p>The 3rd International Conference of the Arab Society for Medical Research, 12th – 14th October, National Medical Research Centre, Al-Zawia – Libya</p>	<p><u>Salma A Bukhatwa</u>, Bu-Bakr ElSheikhy, Nour-Eldeen Mohamed and Mohamed Khamis (2010): Drug prescribing trends in three polyclinics in Benghazi–Libya</p>
<p>First International Congress of Medical Science, 23rd – 25th April, Omar Al-Mukhtar University, Al-Baida, Libya</p>	<p><u>Bukhatwa S</u> (2010): Proteasomal system dysfunction: Implication for understanding of Parkinson’s disease.</p>
<p>Muscat Pharmaceutical Conference, 22nd - 23rd April, Oman Medical College, Muscat, Oman</p>	<p><u>Bukhatwa S</u>, Rose S, Jenner P (2009): Proteasomal system dysfunction and Parkinson’s disease.</p>
<p>The 6th FENS forum of European Neuroscience, 12th - 16th July, Geneva, Switzerland</p>	<p><u>Bukhatwa S</u>, Zeng BY, Rose S, Jenner P (2008): The proteasomal inhibitor I reduces spontaneous locomotor activity and induces nigral neuronal degeneration in the C57BL/6J mice.</p>
<p>The 11th Scientific Congress of the Association of the Colleges of Pharmacy in the Arab World, Tripoli, Libya</p>	<p><u>Bukhatwa S</u>, Rose S, Jenner P (2007): Does the proteasomal inhibition model of Parkinson’s disease mimic the human disease?</p>
<p>Parkinson’s disease Centers of Excellence, London, UK</p>	<p>Stockwell K, <u>Bukhatwa S</u> (2007): The molecular basis of Parkinson’s disease.</p>
<p>Society for Neuroscience, Atlanta, Georgia, USA</p>	<p><u>Bukhatwa S</u>, Zeng BY, Rose S, Jenner P (2006): Systemic administration of the proteasome inhibitor PSI does cause a decrease in the number of nigral dopaminergic neurones.</p>
<p>The Postgraduate Research Symposium 2005, King’s College London, London, UK</p>	<p><u>Bukhatwa SA</u>, Zeng BY, Rose S, Jenner P (2005): A novel proteasome inhibitor model of Parkinson’s disease.</p>
<p>The IXXX Conference of Pharmaceutical Sciences, Cairo, Egypt</p>	<p>Manfi MR, Moustafa MA, <u>Bukhatwa SA</u> (2004): Effects of cimetidine, furazolidone, atropine and Jupiner extract on gastrointestinal motility in mice.</p>

The 7th Scientific Conference of Drug's Quality Control, Cairo, Egypt	Bukhatwa SA (2004): Effect of angiotensin converting enzyme inhibitors on erythropoietin plasma concentration in healthy young volunteers.
The 7th Pan Arab Conference on Diabetes, Cairo, Egypt	Bukhatwa SA, Sherif SI (2003): Influence of diabetes and castration on sensitivity of seminal vesicle to adrenergic drugs.
The 4th National Conference for Pharmaceutical Sciences, Tripoli, Libya	Bukhatwa SA, Bashir A (2003): Drug prescribing trends in three polyclinics in Benghazi-Libya.
The 4th National Conference for Pharmaceutical Sciences, Tripoli, Libya	Elsheafy EA, Abdelrazeq HA, Zughaid HH, Bukhatwa SA (2003): The quality of public and private Pharmacy practices in Benghazi.
The 6th Scientific Congress of the Association of the Colleges of Pharmacy in the Arab World and the 1st International Conference of the Faculty of Pharmacy and Health sciences, Ajman University of Science and Technology, Ajman, UAE	Bukhatwa S (2002): Adverse effects of low dose aspirin in healthy young volunteers.
The 11th Congress of the Union of Arab Pharmacists, Tripoli, Libya	El-Kadi A, Bukhatwa S , Sherif S (1991): Drug prescribing trends in polyclinics in Benghazi.

Institutional Memberships:

1. Curriculum-development committee, Libyan International Medical University, Benghazi, Libya
2. Libyan pharmacists syndicate (Benghazi branch), Benghazi, Libya
3. Libyan Association of Pharmaceutical Sciences, Tripoli, Libya

Research Interests:

1. Neurodegenerative diseases.
2. Prescribing trends in Libya.
3. Medical Education.
4. Quality Assurance in Higher Education.
5. Pharmaceutical care

Awards and Prizes:

1. Best oral presentation - postgraduate students' conference, King's College London, London, UK 2007.
2. Best poster presentation – postgraduate students' conference, King's College London, London, UK 2005.

Training Courses

- Teaching strategies (Problem Based Learning) – Benghazi, 2016
- Curriculum design & development – London, 2014
- Training for personnel working under the Animal (Scientific Procedures) Act (1986) – Society of Biology – London, 2014

- Training program for the rehabilitation of the external auditors of an academic program – Tripoli, 19-23/01/2014
- Test construction and analysis – Benghazi, 2013
- How to write an MCQ question – Benghazi, 2012
- Quality assurance in educational institutions in Libya – Tripoli, 2010
- How to write a scientific paper – London, 2008
- Presentation skills – London, 2007
- Teaching in small groups – London, 2007
- Writing research proposal – London, 2007
- Dealing with laboratory animals (New World Primates) – Cambridge, 2006
- Dealing with different types of microscopes – London, 2006
- Use of radioactive chemicals – London, 2005
- Laboratory safety – London, 2005

Laboratory Research Techniques:

- Stereotaxic surgery in rodents.
- Behavioural experiments and scoring.
- Intranasal administration of liquid preparation in rodents.
- Brain tissues dissection.
- Brain tissues cutting using either microtome or cryostat.
- Immunohistochemistry using both human and animal brain tissues.
- Western blotting.

Computer Skills:

- MS office for PC and MAC
- Bibliographic software; Reference Manager and EndNote
- Statistical software; Prism 6 and SPSS
- Adobe Photoshop
- Podcasts and basic audio editing

Teaching Experience:

- Teaching (**traditional dictating lectures**) “**Clinical Pharmacokinetics**” course to Pharmacy students / University of Benghazi, Benghazi, Libya - 2000 – 2004
- Teaching (**traditional dictating lectures, life laboratory experiments and tutorials**) “**Pharmacology**” to Pharmacy, Dentistry and Medical students at University of Benghazi, Benghazi, Libya - since 2003
- Teaching (**traditional dictating lectures and computer-simulated laboratory experiments**) “**Pharmacology**” to Pharmacy students at Libyan International Medical University (LIMU), Benghazi, Libya - since 2010
- Teaching (**Integrated PBL-based curriculum**) “**Pharmacology**” to Basic Medical Sciences students at Libyan International Medical University (LIMU), Benghazi, Libya - since 2010

- Teaching (**traditional dictating lectures and computer-simulated and videorecorded laboratory experiments**) “**Bioassay**” to Pharmacy students at both University of Benghazi and LIMU, Benghazi, Libya – 2010 -2015
- Teaching (**traditional dictating lectures and video-recorded laboratory experiments**) “**Toxicology**” to Pharmacy students at both University of Benghazi and LIMU, Benghazi, Libya – 2010-2015
- Supervising more than 50 “**Final Year Pharmacy Students Graduation Projects**” at University of Benghazi, LIMU, and King’s College London, 2000-2018

References:

- **Prof. Mustafa Elfakhri**

Professor of Biochemistry, University of Benghazi, Benghazi, Libya

E-mail: mmelfakhri@yahoo.com

Tel: 00218913822237

- **Prof. Abdulla El-Hwuegi**

Professor of Pharmacology, Tripoli University, Tripoli, Libya

E-mail: hwuegi@hotmail.com

Tel: 00218926286913

- **Dr. Mohamed Saad Ambarek**

President, Libyan International Medical University, Benghazi, Libya

E-mail: president@limu.edu.ly

Tel: 00218913760511

- **Prof. Abubakr Bashir**

Professor (Retired) of Pharmacology, University of Benghazi, Benghazi, Libya

E-mail: bashir_abubaker@yahoo.com

- **Prof. Peter Jenner**

Professor of Pharmacology, King's College London, London, UK

E-mail: peter.jenner@kcl.ac.uk

Tel: 00442078486011

- **Dr. Sarah Salvage**

Reader in Pharmacology, King's College London, London, UK

E-mail: sarah.salvage@kcl.ac.uk

Tel: 00442078486018