

CURRICULUM VITAE

Version March 2013

Name: Salem Mohamed Salem.
Family name: Elghmati.
Date of birth: 19 September 1958.
Nationality: Libyan
Marital status: Married.

I. Qualifications:

A- Academic degrees:

- 1- **July 1982**, Bachelor of Pharmaceutical Sciences, Faculty of pharmacy, Al-fateh University, Tripoli/Libya.
- 2- **July 1988**, Master (MSc) of Pharmaceutical Sciences (In Microbiology), Institute of Pharmaceutical Sciences and Faculty of medicine in 1988, Katholieke University of Leuven (KUL), Belgium,.
- 3- **March 1993**, Doctor (PhD) in Pharmaceutical Sciences (In Immunology), Institute of Pharmaceutical Sciences and in Faculty of medicine, Katholieke University of Leuven (KUL), Belgium.
- 4- **April 2010**, Diploma in **Hospital Governance**, The center for Healthcare Management Studies and Research (Ce.Ri.S.Ma.S.), University of Cattolica del Sacro Cuore, Italy.
- 5- **May 2012**, Diploma in **Neuro Linguistic Programming (NLP)**, The Canadian Training center of human development (Montréal, Canada).
- 6- **May 2012**, Diploma in **Neuro Linguistic Programming, NLP Diploma Trainer**, The Canadian Training center of human development (Montréal, Canada).
- 7- **May 2012**, Diploma **Certified Master Trainer (CMT)**, Racer American center for Neuro Conitioning Programming, Vital Energy, & Metaphysics, (USA).
- 8- **June 2012**, **Certified Trainer for Training 101 course**, Canada Global Center for consulting and Training, Vancouver, Canada.
- 9-**September, 2012**, **Power Human Energy Diploma**, American center for Neuro Conitioning Programming, Vital Energy, & Metaphysics, (USA).
- 10- **October 2012**, Diploma in **CORT for teach thinking**, De Bono Center for Teaching Thiniking, Amman, Jourdan.
- 11- **December 2012**, **Certificate of Achievement of Train Of Trainers (TOT)**, Arabian Global Academy for training and development, (USA).
- 12- **Decmber 2012**, **Certificate of Trainer in Personal Strategic Planning**, International Academy of Personal training and leadership development, (USA).
- 13- **April, 2013**, **Certificate of Trainer in the Techniuques of Accelerated Learning**, Cambridge Training and Consultancies Center, UK.

B- Human development and Quality certificates:

- 1- **June 2005**, Certificate Training program for **Iso 9001/2000**. Berou for Pharmaceutical research and technical consultation, Faculty of pharmacy, University of Al-fateh, Tripoli/Libya.
- 2- **April 2010**, Diploma in **Hospital Governance**, The center for Healthcare Management Studies and Research (Ce.Ri.S.Ma.S.), University of Cattolica del Sacro Cuore, Italy.
- 3- **October 2010**, Certificate Training program for **Patient Safety**. Consul for Quality Medical Services and Patient Safety, Ministry of Health, Essbiba hospital/Libya.
- 4- **February 2012**, Certificate Training program for **Team Work**. Libyan Castle Club for Human Development. Tripoli/Libya.
- 5- **March 5th 2012**, Certificate Training program for **Strategic Planning**. Libyan Castle Club for Human Development. Tripoli/Libya.
- 6- **March 20th 2012**, Certificate Training program for **Mind Maps**. Libyan Castle Club for Human Development. Tripoli/Libya.
- 7- **April 9th 2012**, Certificate Training program for **Principle of Human Rights and Detection of its violation**. United Nations Support Mission in Libya (UNSMIL). Tripoli/Libya.
- 8- **May 2012**, Assistant Practitioner in **Neuro Linguistic Programming (NLP)**, The Canadian Training center of human development (Montréal, Canada).
- 9- **June 2012**, Practitioner in **Neuro Linguistic Programming (NLP)**, The Canadian Training center of human development (Montréal, Canada).
- 10- **July 2012**, Certificate for **Professional Marketing**, Libyan Castle Club for Human Development. Tripoli/Libya.
- 11- **July 2012**, Certificate for **Professional Marketing**, American center for Neuro Conditioning Programming, Vital Energy, & Metaphysics, (USA).
- 12- **September, 2012**, Certificate for Online **Professional Marketing Level 1**, American center for Neuro Conditioning Programming, Vital Energy, & Metaphysics, (USA).
- 13- **September, 2012**, Certificate for Online **Professional Marketing Level 1**, American center for Neuro Conditioning Programming, Vital Energy, & Metaphysics, (USA).
- 14- **December 2012**, Certificate of participation for **Law of Attraction**, Arabian Global Academy for training and development, (USA).

C- Human resources training courses organized:

- 1- **Diploma in Neuro Linguistic Programming, NLP Diploma, five training courses.**
- 2- **Personal Strategic Planning, seven training courses.**
- 3- **One TOT training courses**
- 4- **Speed reading, two training courses.**
- 5- **The secret of class rooms, three five training courses.**
- 6- **The energy of human power, three training courses.**

- 7- Immune therapy, five training courses.
- 8- More than 35 TV recording hours and broad casting in Libyan TV about Immunology, Immune therapy, molecular microbiology and infertility.
- 9- Two TV interviews about education and Human development.
- 10- One Radio Interview ((West Tripoli Radio)).
- 11- Two City Square Work shop, first in Jansour City (June 2013) and The other in Zewara City July 2013).

II. Occupations:

A- Main Job:

- 1- **Sep. 1982- May 1984**, Clinical biologist in the Central Reference Laboratories and blood bank of Ministry of health, Tripoli/Libya.
- 2- **June 1984- June 1986**, Assistant researcher (demonstrator) in the Department of Industrial pharmacy and microbiology, Faculty of pharmacy, University of Al-Fateh, Tripoli/Libya.
- 3- **July 1986- July 1988**, Postgraduate student for MSc degree, Faculty of Medicine, laboratory of microbiology, Sint-Rafael University hospital of KUL, Leuven, Belgium.
- 4- **Sep. 1988- June 1993**, Postgraduate student for PhD degree, Faculty of Medicine, laboratory of immunology, Sint-Rafael University hospital of KUL, Leuven, Belgium.
- 5- **January 1995- May 2003**, Consultant in the National Center for Medical and Drug research.
- 6- **July 1993- May 1996**, Lecturer, Department of microbiology and immunology, Faculty of Pharmacy, Great Al-Fateh University for Medical sciences, Tripoli/Libya.
- 7- **January 1996- May 2001**, Consultant in the National Center for Control of Tuberculosis and chest diseases.
- 8- **October 1997- September 1998**, Postdoctoral fellowship, Faculty of Medicine, laboratory of immunology, Sint-Rafael University hospital of KUL, Leuven, Belgium.
- 9- **June 1996- May 2000**, Assistant Professor, Department of microbiology and immunology, Faculty of Pharmacy, Great Al-Fateh University for Medical sciences, Tripoli/Libya.
- 10- **Sep 1999- Feb 2001**, Assistant security for scientific affairs, Faculty of Pharmacy, Al-fetah University.
- 11- **June 2000- May 2004**, Associated Professor, Department of microbiology and immunology, Faculty of Pharmacy, Al-Fateh University, Tripoli/Libya.
- 12- **June 2003-May 2005**, Head of the registration and inspection departments in the National Center for Food and Drug Control.
- 13- **June 2004 till present**, Professor, Department of microbiology and immunology, Faculty of Pharmacy, Al-Fateh University, Tripoli/Libya.
- 14- **November 2007 – till present**, Coordinator for postgraduate studies, department of microbiology and immunology, Faculty of pharmacy, Tripoli University, Tripoli/ Libya.

B- Consultation & Part time Jobs

- 1- **Nov. 1982- May 1986**, Clinical biologist (part time) in the central laboratory of Al-fateh Hospital (Endir hospital).

- 2- **January 1996- May 2001**, Consultant in the National Center for Control of Tuberculosis and chest diseases.
- 3- **June 2005- Dec. 2007**, Consultant in the National Center for Food and Drug Control.
- 4- **March 2012- till present**, Director of Aletkan International Center for Human Development & Quality.

C-Inspection mission to Pharmaceutical Companies

- 1- **21-24 May 2002**, national inspection mission to Green crosses Pharmaceutical Company, Republic of South Korea.
- 2- **February 2004**, national inspection mission to Sidall Pharmaceutical Company, Algeria.
- 3- **4-6 March 2004**, national inspection mission to Alkan Pharmaceutical Company, Cairo, Egypt.
- 4- **7-9 March 2004**, national inspection mission to Sedico Pharmaceutical Company, Cairo, Egypt.
- 5- **27-30 May 2004**, national inspection mission to Boehringer Ingelheim Pharmaceutical Company, Germany.
- 6- **18-22 December 2004**, national inspection mission to Bilim Pharmaceutical Company, Turkey.
- 7- **6-12 August 2007**, national inspection mission to Ranbaxy Pharmaceutical Company, India.

III. National practical achievements

- 1- **May 1984**, the first Libyan demonstrator in Microbiology in the Faculty of pharmacy, Tripoli University.
- 2- **October 1984**, One of the founders of Libyan Society for Pharmaceutical Sciences.
- 3- **October 1993**, One of Founders of department of Microbiology & Immunology, Faculty of Pharmacy, Al-fateh University.
- 4- **1994 -1995** work project resulted in Implementation of HCV screening test for blood donation in all parts of Libya.
- 5- **1996-2000**, Implementing and supervision of immunotherapy of allergic asthmatic patient in respiratory department of Tripoli Medical Center with cooperation of allergy department of University hospital KUL, Leuven, Belgium.
- 6- **December 2007**, Founder of Post graduated Study (MSc program), department of Microbiology & Immunology, Faculty of Pharmacy. Al-fateh University.
- 7- **2007**, Submission of a Proposal for the establishment of an administration department in Ministry of higher education for the distinguished student to improve their abilities in an advanced step for the progress of the Libyan communities.
- 8- **2009**, **Discovery of a new probiotics** for the treatment for Acne vulgaris and other skin disease.

- 9- **June 2010**, Submission of a Proposal for teaching of molecular biology for Post Graduated MSc students in the Faculty of Pharmacy, Tripoli University, Tripoli/Libya. This program has been implanted in April 2012.
- 10- **2012**, Founder of Libyan Society for Therapeutic and Pharmaceutical Care.
- 11- **March 2012**, Founder of Aletkan International Center for Human development & Quality.
- 12- **March 2012**, **Lecturer in human development and Quality in cooperation with Libyan well fare Societies** to build Libya as a free and civilized country.
- 13- **April 2012**, Submission of a Proposal for development of a department for Post Graduated Professional degree for Pharmaceutical Sciences in The Academy of Graduate Studies, Tripoli/Libya.

IV. Teaching responsibilities

- 1-Fundamental and principles of immunology for 2nd year pharmacy student, 12 hours, 1993-2007.
- 2-Introduction on antibiotics, their mechanism of action and the bacterial resistance to them, for 2nd year pharmacy, 12 hours, 1993-2007.
- 3-Clinical immunology including bed site teaching, for 3rd year pharmacy student, 20 hours, 1993-2011.
- 4-Practical laboratory teaching for 2nd year pharmacy students, including methods of culturing of bacteria, their identification and their antibiotic sensitivity testing, identification of immune cells and principle of immunological testing, 15 hours, 1993-2011.
- 5-Practical laboratory teaching for 3rd year pharmacy students, including different methods for evaluating both cellular and humeral immune responses, 6 hours, 1993-2011.
- 6-Lecturing on molecular analysis by electrophoresis technique for postgraduate MSc student, 12 hours, 2008, 2009, 2010 & 2011.
- 7- Lecturing on molecular microbiology for postgraduate MSc student, 24 hours, 2008, 2009 & 2010.
- 8- Lecturing on Advanced immunology for postgraduate MSc student, 28 hours, 2008, 2009 & 2010.

V. Direction of Bachelor thesis

The following list includes the names of bachelor student and their correspondent thesis titles:

- 1- Tamer N. and Tellisi F.: Prevalence of intestinal parasites in Tripoli region, 1994.
- 2- Sokni N.: Antibiotic resistance pattern in gram negative bacteria, 1994
- 3- Abdulhalim K. and Fateh R.: Antibiotic resistance pattern in gram positive bacteria, 1995.
- 4- Hussam M. and Bargoti L.: An attempt to elucidate the mechanism of action of antibiotic resistance in gram negative and gram positive bacteria, 1995.
- 5- Saud M. and Algaafari M.: Prevalence of hepatitis B infection in Tripoli region, 1996.
- 6- Ebrish R. and Najha M.: The use of quick Look Identification system for the identification of gram negative bacilli, 1997.
- 7- Eshwish H., Ebrik A. and Shaba N.: Prevalence of hepatitis C infection in Tripoli region, 1997.

- 8- Salwa Ali Ya'acoub and Sana Melad Essa: Isolation and identification of pathogenic microorganisms responsible for nose, ear and throat infection among Libyan patients, 2005.
- 9- Somia M. Oun and Alzaira Kalifa Rhoma: Antimicrobial activity of some antibiotic available and marketed in Libyan market, 2005.
- 10- Aml O. El-gargani, Yosra A. Ettir and Zahra A. Algerbi. A study to discover and to determine the role of clinical pharmacist in the management of dermatological diseases, December, 2007.
- 11- Waleed Salem Bo-daia, Mahmoud Mohamed Abdeen and Ahmed Kedkad: Hepatitis E infection in normal individuals, immune compromised patients and in pregnant woman, December, 2009.
- 12- Fatma Ali Ragss: The use of a new home prepared probiotic as a treatment for Acne vulgaris, October 2010.
- 13- Nibal Adnan Abdelkarim & Zina Gamal Naji: The detection of Beta-lactamase enzymes among virulent and non-virulent *E. coli* strains isolated in Tripoli Medical Center, October, 2010.
- 14- Fatma Tako, Rabab Ali & Soaad Mohamed: The Comparison of *Beta-lactamase enzymes production among Virulent and non-virulent Uropathogenic strains of E. coli isolated in Tripoli Medical Center & Tajura Hospital*. October, 2011.

VI. Direction of postgraduate study

- 1- Founder of both MSc program, 2007-2008, in the department of microbiology and immunology, Faculty of Pharmacy, Al-fateh University of Medical sciences.
- 2- Project program submitted for a diploma in clinical pharmacy, 2010, Faculty of pharmacy, Alfateh University, Tripoli-Libya
- 3- Currently supervising:
 - a- MSc project for Mrs. Asma Bashir Almkatef entitled: Molecular and phenotypic characterization of Uropathogenic strains of *Escherichia coli* isolated At different hospitals in Tripoli region, Libya. Department of Microbiology and Immunology, Faculty of Pharmacy, Al-Fateh University, Tripoli- Libya.

VII. Scientific publications

A- Reasrach papers

I-Published

- 1- General colorimetric method for the determination of barbiturates in Pharmaceutical preparation, F.I.P meetings in 43rd International congresses of pharmaceutical sciences, Mortrex, September 5-9, 1983.
- 2- Thesis submitted for the degree of Master of Pharmaceutical Sciences entitled `Determination of enzymes responsible for amino glycosides resistance in Gram negative bacilli, July 1988.
- 3- Thesis submitted for the degree of Doctor in Pharmaceutical Sciences entitled Identification and function of human haptoglobin receptor, March 1993.

- 4- Importance of inoculums standardization on antibiotic sensitivity assays, 3rd Jamahiriya medical conference, 31/5-3/6/1996. Tripoli/Libya.
- 5- The prevalence of intestinal parasites among children and adults in Tripoli region, 3rd Jamahiriya medical conference, 31/5-3/6/1996. Tripoli/Libya.
- 6- Cataloguing of bacterial strains according to its ant biotype, 3rd Jamahiriya medical conference, and 31/5-3/6/1996. Tripoli/Libya.
- 7- Identification of haptoglobin as an alternative ligand for CD11b/Cd18. J. Immunol. 1996, 156: 2542.
- 8- Activity of ciprofloxacin against multi-drug resistance *E.coli* and *Pseudomonas aeruginosa* strains. Conference of association of faculties of pharmacy in the Arabic countries. Amman/Jordan, 14 October 1997.
- 9- Prevalence of hepatitis B infection of Alfateh for the sciences of medical laboratory. 27-29 November 1999, Tripoli/ Libya.
- 10- Application of Quick look identification system (QLIS) for the identification of gram negative bacteria. The 5th Jamahiriya medical conference, 9-12 October, 2001, Zawia/Libya.
- 11- Anti-D is an exclusion factor for hepatitis C (HCV) infection transmission. The 5th Jamahiriya medical conference, 9-12 October, 2001, Zawia/Libya.
- 12- Different effects of inoculum standardization on different antibiotics in antibiotic sensitivity assays. The Fifth Conference of association of faculties of pharmacy in the Arabic countries. Amman/Jordan, 16-18 October 2001.
- 13- Antibiotic resistance patterns of gram negative bacilli isolated from out-patient individuals in Tripoli/Libya. The Fifth Conference of association of faculties of pharmacy in the Arabic countries. Amman/Jordan, 16-18 October 2001.
- 14- Importance of pharmaceutical care practice in therapy and management of cancer patients. The 2nd International conference of oncology in Africa, 7-10 February, 2002, Tripoli, Libya.
- 15- Antibiotic Prescription bases in Tripoli Medical Center (TMC) with reference to oncology departments. The 2nd International conference of oncology in Africa, 7-10 February, 2002, Tripoli, Libya.
- 16-Haptoglobin directly interacts with human mast cell line (HMC-1) and inhibits its spontaneous proliferation. Arab Journal of pharmaceutical sciences, Volume 2, No. 2, March 2002.
- 17- Spectrum of Beta-lactam antibiotic resistance in strains of *E.coli* and *Klebsilla* species isolated from clinical specimens in Tripoli hospitals in Libya. The 6th Scientific congress of the association of the pharmacy colleges in the Arab World, July 30, 2002, Ajman, U.A.E.
- 18- Dermatophagoides Pteronyssinus is the common cause of allergic asthma in Libyan asthmatic patients. The national Journal of basic and applied sciences, February, 2002.
- 19- Prevalence of hepatitis C infection among Libyan in Tripoli region. The national Journal of basic and applied sciences, February, 2002.
- 20- Ketotifen is a succesful prophylactic medication for asthmatic children aged 0-4 years. The 6th national conference for pharmaceutical sciences, 2-4April, 2006, Musrata, Libya.
- 21-Isolation of Vancomycin-Intermediate *Staphylococcus aureus* (VISA) from different hospitals in Libya. The 3rd conference of Tunisian Society of Microbiology, 7-9 November, 2007.

22- Aminoglycoside resistance patterns among clinically isolated bacterial strains of *E. Coli* and *Klebsiella* species. The 4th conference of Tunisian Society of Microbiology, 7-9 November, 2008.

23- The importance of teaching molecular biology as an essential and basic topic among pharmaceutical sciences. The Second Meeting of Syrian Pharmacy Colleges (2nd MSPC), the Arab International University, Ghabageb, Syria, April 29 – 30, 2009.

24- The requirements for improving the quality of medical service in Libya. The 7th Libyan conference about Quality, 10-11 May, 2010.

25- Lecture entitled: Procalcitonin as an early for bacterial infection both for diagnosis and management. 19 July 2010, Libyan Medical board, Tripoli- Libya.

26- Antimicrobial combination approach, its definition, importance and its methods of research. The 5th conference of Tunisian Society of Microbiology, 30 October-1st November, 2009.

27- The emergence of Azteronam resistance among clinical isolates of haemolysin producing *E. coli*. 6th conference of Tunisian Society of Microbiology, 22-24 October, 2010.

28- Population Structure of *Pseudomonas aeruginosa* from Five Mediterranean Countries: Evidence for Frequent Recombination and Epidemic Occurrence of CC235

Makaoui Maatallah, Jihane Cheriaa, Amina Backhroufl, Aina Iverse, Hajo Grundmann, Thuy Do5, Philippe Lanotte6, Maha Mastouri7, **Mohamed Salem Elghmati**, Fernando Rojo9, Snoussi Mejd, Christian G. Giske. PLoS ONE | www.plosone.org 1 October 2011 | Volume 6 | Issue 10 | e25617

29- The Comparison of *Beta-lactamase enzymes production among Virulent and non-virulent Uropathogenic strains of E. coli isolated in Tripoli Medical Center & Tajura Hospital.*

7th conference of Tunisian Society of Microbiology, 25-27 November, 2011, Hammat, Tunisia.

VIII. Ongoing research project

1- Correlation between biofilm production and multiple drug resistance among Libyan clinical isolates of *Pseudomonas aeruginosa*.

2- Multilocus Sequence Genotyping of Libyan and Tunisian strains of *Pseudomonas aeruginosa*.

3- Prevalence, phenotype and genotype characterization of uropathogenic Libyan strains of *E.coli*. and *Klebsiella* species.

4- A project entitled: Characterization of resistance mechanisms among *Pseudomonas aeruginosa* strains isolated from clinical samples in Tripoli region, Libya.

5- A project entitled: Prevalence and detection of Extended-Spectrum Beta-Lactamase (ESBL) and Metallo-Beta-Lactamase (MBL) enzymes among Clinical Isolates of *Klebsiella species* In Tripoli region, Libya.

6- A project entitled: Correlation of Antimicrobial Resistance with β -Lactamases, the OmpA-Like Porin, and Efflux Pumps in Clinical Isolates of *Acinetobacter baumannii* In Tripoli region, Libya.

- 7- Isolation and Genotype characterization of Libyan Meticillin Resistance Staphylococcus aureus strains (MRSA) and their correlation with biofilm production.
- 8- Isolation and characterization of multi-drug resistant strains of enterococci and testing their susceptibility to antibiotic combination.
- 9- The use of propolis and colored grained class for treatment of different degrees of burned injuries that were succuefully used in animal models.

IX. Books:

The following books titles are in draft form and in process to be provided to a Libyan press for finalization, they include:

1- Molecular analysis by different electrophoresis techniques. An intensive short course to provide Msc student with essential information about the different types of electrophoresis techniques. The course will help the Msc student to be able to choose and to use the suitable electrophoresis technique for further research planes.

2- Principle of Molecular Microbiology. A detailed course provides the postgraduate student with the basic information, techniques and application of molecular microbiology. The course will help the MSc student to be able to select the proper molecular technique for further practical research.

3-Immunology course for MSc Postgraduate. This is an advanced immunological course designed for Msc student to understand more about molecular structure of the immune system. Both humeral and cellular immune defense are explained in more details.

4-Innate immune system and Humeral Immunity course for second year pharmacy students. This represent an essential introduction to innate immune system and it relation to humeral immunity.

5- Immunologically mediated diseases course for third year pharmacy student. This course designed to provide third pharmacy student with the definitions of the three main clinical forms of immunological diseases (immune deficiency diseases, allergic diseases and autoimmune diseases). The course consists of brief summarized lectures, at the end of which the student will be able to differentiate between these diseases and he will have any idea about the treatment and management of these diseases.

6- Quality assurances in Higher education. In preparation.

X. Attendance of Conferences and Workshops:

- 1- The first National Conferences for Libyan Pharmacist, April 1982, University of Al-fateh, Tripoli/Libya.
- 2- The conference of the Union Arab Pharmacists, October 1985, Damascus/Syria.
- 3- The third Jamahiriya medical conference, 31/5-3/6/1996. Tripoli/Libya.
- 4- Conference of association of faculties of pharmacy in the Arabic countries. Amman/Jordan, 14 October 1997.
- 5- Magriban Work shop about control of Tuberculosis infection, Algeria April 2000.

- 6- Work shop for Directors of Reference Tuberculosis Laboratories in the Middle East region. Organized by WHO in cooperation with Japanese International Cooperation Agency (JICA), 12-24 August 2000, Sana'a/Yemen.
- 7- The 5th Jamahiriya medical conference, 9-12 October, 2001, Zawia/Libya.
- 8- The Fifth Conference of association of faculties of pharmacy in the Arabic countries. Amman/Jordan, 16-18 October 2001.
- 9- The 2nd International conference of oncology in Africa, 7-10 February, 2002, Tripoli, Libya.
- 10- The Forth National Conferences for Pharmaceutical Sciences, May 2003, Tripoli/Libya.
- 11- The 6th national conference for pharmaceutical sciences, 2-4 April, 2006, Musrata, Libya.
- 12- Seminar about Pharmaceutical Continuous Education I Organized by Libyan Society for Pharmaceutical Sciences (LSPS), May 2007, Nalout city/Libya.
- 13- Seminar about Pharmaceutical Continuous Education II Organized by Libyan Society for Pharmaceutical Sciences (LSPS), June 2007, Aljamil city/Libya.
- 14- The eleventh scientific conference of Arab Association for Faculties of Pharmacy, December 2007.
- 15- The 3rd conference of Tunisian Society of Microbiology, 7-9 November, 2007.
- 16- Sixth Seminar about Pharmaceutical Continuous Education Organized by Libyan Society for Pharmaceutical Sciences (LSPS), February 2008, Darna city/Libya.
- 17- The 4th conference of Tunisian Society of Microbiology, 7-9 November, 2008.
- 18- The Second Meeting of Syrian Pharmacy Colleges (2nd MSPC), the Arab International University, Ghabageb, Syria, April 29 – 30, 2009.
- 19- The 5th conference of Tunisian Society of Microbiology, 30 October-1st November, 2009.
- 20- The 7th Libyan conference about Quality, 10-11 May, 2010.
- 21- Seminar about Ethics of Pharmacy Job Organized by Libyan Society for Pharmaceutical Sciences (LSPS), 28 June 2010, Alkadra hospital, Tripoli/Libya.
- 22- Lecture entitled: Procalcitonin as an early for bacterial infection both for diagnosis and management. 19 July 2010, Libyan Medical board, Tripoli- Libya.
- 23- Seminar about of the use of drugs and drug counterfeiting Organized by Libyan Society for Pharmaceutical Sciences (LSPS), 14 October 2010, Alwedan Hotel, Tripoli/Libya.
- 24- 6th conference of Tunisian Society of Microbiology, 22-24 October, 2010.
- 25- 7th conference of Tunisian Society of Microbiology, 25-27 November, 2011, Hammat, Tunisia.
- 26- Seminar about The art of Leadership, organized by The Libyan Club for human development, 2nd of February 2012, Tripoli/Libya.
- 27- Work shop about the Proper management of the time , organized by Libyan Castle Club for Human Development 4-5 April 2012 at University of Tripoli, Tripoli/Libya.
- 28- Work shop on Management & Organizing the Pharmacies 2-3 April 2012 Organized by Libyan Society for Pharmaceutical Sciences (LSPS), Dat alemad, Tripoli/Libya.

XI. Association membership

- 1-Libyan Association of Pharmacist, since 1982.
- 2-Libyan society for pharmaceutical sciences (one of the founders) since 1984.

- 3- Belgian Pharmaceutical Society, since 1993.
- 4- Belgian Immunological Society, since 1993.
- 5- Tunisian Society of Microbiology, since 2006.
- 6- Libyan society for Rheumatology, since 2007.
- 7- European society of clinical pharmacy (ESCP), since 2007.
- 8- European Society of Clinical Microbiology and Infectious Diseases (ESCMID), since 2007.
- 9- Egyptian society for Immunology, since 2007.
- 10- Egyptian society for dermatology, since 2007.
- 11- Tunisian Society of Immunology, since 2009.
- 12- Libyan society for Microbiology, since 2009, (One of the founders of the society).
- 13- **2012**, Founder of Libyan Society for Therapeutic and Pharmaceutical Care.
- 14- January 2012, Libyan Club for human development, Tripoli/Libya.
- 15- February 2012, Libyan Libyan Castle Club for Human Development, Tripoli/Libya.
- 16- March 2012, Founder of Aletkan International Center for Human development & Quality.

V. Skills

Laboratory and practical scientific Skills which includes:

- 1- Medical diagnostic microbiological cultures include; bacteriology, virology, immunology and parasitology
- 2- Performing of medical biochemical and hematological analysis.
- 3- Protein isolation by affinity chromatography and its characterization by qualitative and quantitative electrophoresis techniques.
- 4- Labeling of proteins by radioisotopes and fluorescent chemical dyes such FITC.
- 5- Performing analysis with flow cytometry technique.
- 6- Performing molecular analysis by PCR techniques.
- 6- Good computer skills.
- 7- Fluent in both Arabic and English languages and little French.
- 8- Good communication and interpersonal skill.

References

- 1- Prof. J. Hoogmartens, Institute of Pharmaceutical Sciences, KUL, E. Van Evenstraat 4, 3000 KUL, Leuven Belgium. Tel. +32 16 323440.
- 2- Prof. L. Verbist, clinical bacteriology lab, Faculty of Medicine, KUL, Kapucijnenvoer 33, 3000, Leuven, Belgium. Tel. +32 16 332150.
- 3- Ayman El-Kari, PhD, Associate Professor, Faculty of Pharmacy and Pharmaceutical Sciences, 3126 Dentistry/Pharmacy Centre University of Alberta, Edmonton, Alberta, Canada

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