



Salmin K. Alshalmani

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EDUCATION HISTORY:-

2011 PhD in Pharmacy, School of Biomedical Sciences, Nottingham University - UK.

1999 - Master Degree in Pharmacy- Ankara University- Ankara- Turkey.

1990 Bachelor in Pharmacy- Alfateh University- Tripoli- Libya.

WORK EXPERIENCE:-

- Demonstrator in Pharmacognosy Department – Faculty of Pharmacy-Al Arab Medical University – 1990-1995.
- Community Pharmacist from 1992 to 1996 and 2000 to 2005.
- Assistant lecturer in Pharmacognosy Department -Faculty of Pharmacy- Alarab Medical University 2000-2003.
- Head of Pharmacognosy Department 2001-To date.
- Lecturer in Pharmacognosy Department - Faculty of Pharmacy-Benghazi University - 2004-2013.
- Assistant Professor in Pharmacognosy Department - Faculty of Pharmacy- Benghazi University - 2014- 2018.
- Associate Professor in Pharmacognosy Department- Faculty of Pharmacy Benghazi University January 2018- up to date
- Teaching the Postgraduate students (Advanced Courses) Pharamcognosy Department- Faculty of Pharmacy- Tripoli University.

- Supervision on Master degree " Antimicrobia and antioxidant activities of Ephedra alata grown in East of Libya"
- Supervision on Master degree " Phytochemical screening, Antimicrobial antioxidant and antidiabetics activities of *Catharanthus roseus* plant cultivated in Libya"
- An Editor in the Mediterranean Journal of Pharmacy and Pharmaceutical Science.
- An Editor in the Libyan Journal of Pharmacy and Clinical Pharmacology LJCP.
- An Editor in the Journal of Science and its applications. JSA
- A Reviewer in the journal of Pharmacy and Pharmaceutical Sciences.
- A Reviewer in The Journal of Pharmacognosy Research.
- A Reviewer in the Medical Scientific Journal of University of Benghazi

Teaching Experience:

- Pharmacognosy Topics to undergraduate students in Faculty of Pharmacy Arab Medical University, Benghazi- Libya 2001-2006.
- Phytochemistry Topics to undergraduate students in Faculty of Pharmacy Arab Medical University, Benghazi- Libya 2001-2006.
- Pharmaconosy , Phytochemistry and Applied Pharmacognosy courses to undergraduate students in Faculty of Pharmacy Benghazi University, Benghazi-Libya 2011-2021
- Pharmaconosy , Phytochemistry and Applied Pharmacognosy Lab courses to undergraduate students in Faculty of Pharmacy, Benghazi University, Benghazi- Libya 2011-2021.

Membership in Scientific Committees & Unions:

- Membership in Libyan Union of Pharmacist Since 1990
- Membership in Association of the Arab Faculties of Pharmacy Since 2000
- Membership in Continues Medical Education Committee, Garyounis University since 2001.

- Membership in the American Society of Pharmacognosy
- Membership in Phytochemical society of Europe
- Membership in Society for Medicinal Plants and Natural Products Research
- Membership in the British Pharmacological Society.
- Membership in the World Academy of Science, Engineering and Technology Organization.

Training Programs

- Spectral Absorption and Atomic Emission. 28th May-2nd June 1994. Garyounis University, Research center, Benghazi- Libya.
 - Applied Statistics for Postgraduates. October 1996-May 1997. University of Ankara, Turkey.
 - Extraction, Isolation and Identification of Bioactive constituents from Medicinal Plants. Faculty of Pharmacy- Ankara University-Turkey.
 - Separation and Identification of Active compounds Using several Chromatographic Techniques (PC, TLC, PTLC, GC-MS, HPLC) Faculty of Pharmacy-Ankara University-Turkey.

Computer Experience:

Operation, Windows, Power Point, Statistical Packages (EXCEL, SPSS, Kalighda graph), and Internet.

Publications:

Almsagri FM, Zletni MM, Meezogi JS, Ben Rewen A, **Al Shalmani, S K**, Abushhaiwia A. Use of complementary and alternative medicine and factors affecting their use among Libyan children with rheumatic diseases at Tripoli Children's Hospital 2019. *MOJ Orthop Rheumatol.* 2021;13(1):11–17. DOI: 10.15406/mojor.2021.13.00539

Salmin Alshalmani, Mudafara Bengleil and Fatma Elshibani (2020) Determination of Phenolic, Flavonoid, Antioxidant and Antibacterial activities of *Mesembryanthemum crystallinum* from Libyan Coast. *International journal of Engineering Applied Sciences and Technology IJEAST* October 2020: Volume 5, Issue 6, 122-127 ISSN 2455-2143.

Fatma Elshibani **Salmin Alshalmani**, and Hamdoon A. Mohammed (2020) *Pituranthus tortuosus* Essential Oil from Libya. Journal of Essential Oils Bearing Plants: Volume 23, Issue 5, 1095-1104 .

Mudafara Bengleil **Salmin Alshalmani**, Fatma Elshibani, Ghada Fallah (2020) Phytochemical, Pharmacological study on east Libyan originated *Globularia alypum*. Global Scientific Journal GSJ: Volume 8, Issue 8, August 2020 ISSN 2320-9186.

Fatma Elshibani, Abdullah Alamami, **Salmin Alshalmani**, Esra A El Naili, Hala A Gehawe, Mohamed Ali Sharkasi and Naema Elremali (2020). Estimation of phenolic content, flavonoid content, antioxidant properties and alpha-amylase inhibitory activities of *Capparis spinosa* L. Journal of Pharmacognosy and Phytochemistry 2020; 9(2): 24-28

Salmin Alshalmani, Mudafara Bengleil Fatma Elshibani, (2020) Antimicrobial, antioxidant and anticancer activity of *Ephedra alata* growing in East of Libya. Libyan Journal of Science & Technology 11:2 (2020) 87-90.

Salmin Alshalmani, Fatma Elshibani, Mudafara Bengleil Abdullah Alamami and Saad Messlaty (2019) **Investigation and Antibacterial Activity of Libyan Macroalgae *Ulva fasciata*** Libyan conference on Chemistry and Its Applications (LCCA-3) 1:1(2019) 48-51

Salmin Alshalmani, Fatma Elshibani, Mudafara Bengleil (2019) **Phytochemical Screening, Antimicrobial and Cytotoxic Investigation of *Cistus salvifolius* L. Growing in East of Libya.** In 3rd Libyan conference on Chemistry and Its Applications LCCA-3 held on 7-8 September Benghazi-Libya.

Salmin Alshalmani, & Mudafara Bengleil (2017) Phytochemical screening, antimicrobial and antioxidant Activity of East Libyan Originated *Mesembryanthemum crystallinum*. In 2nd Libyan conference on Chemistry and Its Applications LCCA-2 held on 9-11 May Benghazi-Libya.

Salmin Alshalmani, (2017) Phytochemical Investigation, Antimicrobial and Antioxidant Studies on *Capparis spinosa* growing in Northeast of Libya In 2nd Libyan conference on Chemistry and Its Applications LCCA-2 held on 9-11 May Benghazi-Libya.

Salmin Alshalmani, (2017) Phytochemical Investigation, Pharmacognostical and Phytochemical Investigation, Antimicrobial and Antioxidant Studies on *Ephedra alata* growing in East of Libya In 2nd Libyan conference on Chemistry and Its Applications LCCA-2 held on 9-11 May Benghazi- Libya.

Salmin Alshalmani, & Ayman Abdelgader (2017) Promising candidate as anticancer drug obtained from marine source A review. In 2nd Libyan conference on Chemistry and Its Applications LCCA-2 held on 9-11May Benghazi- Libya.

Omar M. M. Sabry , Abeer M. El Sayed and **Salmin K. Alshalmani**. (2016). GC/MS Analysis and Potential Cytotoxic Activity of *Haplophyllum tuberculatum* Essential Oils Against Lung and Liver Cancer Cells Pharmacognosy Journal, Vol 8, Issue 1, 66-70.

Alshalmani SK, Zobi NH and Bozakouk IH: Antibacterial Activity of Libyan Seaweed Extracts. Int J Pharm Sci Res 2014; 5(12): 5425-29.

Mohammed, H. A., **Elshalmany, S. K.**, Belkhaer, A., & Abdellatif, A. G. (2014). Phytochemical and Antioxidant Screening of *Suaeda vera* L. growing in Libya. International Journal for Pharmaceutical Research Scholars, 3(2), 891-896.

Awad G Abdellatif, Huda M Gargoum, Abdelkader A Debani, Mudafara Bengleil, **Salmin Alshalmani**, N El Zuki and Omran El Fitouri. Camel Thorn Has Hepatoprotective Activity against Carbon Tetrachloride or Acetaminophen Induced Hepatotoxicity, but Enhances the Cardiac Toxicity of Adriamycin in Rodents. International Journal of Medical, Pharmaceutical Science and Engineering 2014 Vol: 8 No: 2, 1-5.

Sami G. Alsabri, Mohamed AM. Ebsaim, Sofian S. Mohamed, Nawal HM. Omer, Nesrin S. Ghnan, Salem A. M Edawdi, **Salmin K. Al-Shalmani**, Jamal Mezogi Antiulcer property of Libyan *Helianthemum kahiricum* plant . *Journal of Pharmacognosy and Phytochemistry* 2014; 2 (5): 80-84

Huda M. Gargoum, Saleh Saeed Muftah, **Salmin Alshalmani**, AbdNaser Zoki, Abdelkader H. Debani, Farag Elshari, Hamdoon A. Mohammed, Awad Abdellatif. Phytochemical Screening of *Alhagi maurorum* extract and its effects on Carbon tetrachloride, Acetaminophene and Adriamycine toxicity in experimental animals. *Journal of Scientific and Innovative Research*. 2013, Vol2 issue 6.

Salmin Al-Shalmani, Abir Kholgi, Abdelkader H. Dehani ,Awad Abdellatif. Toxicological and Pharmacological studies on *Pituranthus turtusos* in rodents (December 2013) e Poster at International conference on Toxicology. Bangkok Thailand 24-25 Dec 2013.

Hamdoon A. Mohammed, **Salmin K. Alshalmani** and Awad Giumma Abdellatif, “Antioxidant and quantitative estimation of phenolic and flavonoids of three halophytic plants growing in Libya” *Journal of Pharmacognosy and Phytochemistry* **2013**, 2 (3): 89-94

Salmin Al-Shalmani, Sunita Suri, Moira Taylor, P Kroon, D Hughes, S Triboli, Vincent Wilson. Quercetin and Its principal metabolites, but not Myricetin, oppose LPS-induced hypo responsiveness of porcine isolated coronary artery. *Br J Pharmacol* **162(7)**, 1485-1497.

S Al-Shalmani, S Chinniah, R Mahajan and V. Wilson (2009). Pre-treatment with simvastatin prevents LPS-induced hyporesponsiveness of porcine isolated coronary artery. *Critical Care*; 13(Suppl 4):P46.

S Al-Shalmani, S Chinnah, R Mahajan, and V. Wilson (2009). Evidence that simvastatin prevents induction of nitric oxide synthase by LPS in the porcine isolated coronary artery. *Critical Care*; 13(Suppl 4): P45.

Salmin Al-Shalmani, Sunita Suri, Moira Taylor, P Kroon, D Hughes, S Triboli, Vincent Wilson (2006). Quercetin prevents LPS-induced hyporesponsiveness of vascular responses of the porcine isolated coronary artery. *British Society of Pharmacology Winter Meeting* December 16-18th 2008.

Alshalmani, S., Bensoud, A. and Jasem, A. (2005) ‘Effect of Green tea extract on lung cancer’. In: “*The Fifth National Pharmaceutical Science Conference*”. Held April 22-24 at Garyounis University. Benghazi: Garyounis University Press.

Salmin Al-Shalmani, Moira Taylor, P Kroon, D Hughes, and Vincent Wilson. (2012) Epicatechin inhibits Lipopolysaccharide induced hyporesponsiveness and Nitric oxide production in the porcine coronary artery. Poster at *The 14th Annual Congress of the scientific Association of Colleges of Pharmacy in the Arab World*, held at AUST. Ajman, UAE February 7th -9th 2012.

Sabry O. M. M., **Alshalmani, S. K.** and Hifnawy, M. S. Detection of counterfeiting Garlic Capsules Extracts With Atorvastatin Using UPLC/MS/MS and NMR Spectroscopy. A Case Report Submitted to *Advances in Life Sciences and Technology* ISSN 2224-7181 (Paper) ; ISSN 2225-062X (Online)

GC-MS Analysis of fennel and dill oils and their anti-bacterial activities. *In press*

Cytoprotective effect of curcuma extract against nitrofurantoin toxicity and urethane induced carcinogenicity in mice. *In press*.

Also in progress:

- Research on the hypoglycemic effects of *Ulva lectuca* originated from east of Libya
- Research on the hypoglycemic activities of *Lycium shawii* leaves originated from Libya.
- Study on the antimicrobial activities of clove oil.
- Review on promising candidates as anticancer drugs obtained from marine source.
- Phytochemical investigation on *Capris spinose* and its antioxidant and antimicrobial activities.
- A review of Natural health products treatment for vitiligo.
- A Review on Neuroprotective effects of Marine Algae
- Phytochemical screening, antimicrobial and antioxidant activities of *Artemisia herba-alba*.
- Phytochemical screening, antimicrobial and antioxidant activities of *Ruscus aculeatus*.
- Phytochemical investigation and Hypoglycemic activity of *Moringa oleofera*
- Phytochemical screening, antimicrobial and antioxidant activities of *Costus speciose*

Research Interests

- Isolation and Structure Elucidation of Secondary Metabolites From Natural Sources “Terrestrial Plants And Marine Organisms” With Important Biological Properties Such As Anticancer, Antimicrobial, Anti-inflammatory and Antiviral Activities Using Different Advanced Chromatographic and Spectroscopic Techniques.
- Running biological and pharmacological screening for chemical, natural and semi-synthetic compounds.

- Formulation of natural products as complementary and alternative medicine.
- Development of New Drugs from Marine Organisms originated from Eastern Libyan coast to Treat Lung, Colon and Breast Cancer.

Other Activities:-

- Present a TV programme in Libyan TV titled "Back to the Nature" concerning the Traditional use of herbs as Medicines.
- Supervision the graduation projects for Fourth Year Students- Faculty of Pharmacy-
 - Effect of *Ceratonia Siliqua* (Carob) as a hypoglycemic and hypo-cholesterol agent (2006)
 - Antihepatotoxicity Effects of *Alhagi Graecorum* (Camel Thorn). (2006)
 - Determination of the essential oil of *Ocimum Basilicum* by GC-MS (2006)
 - Antibacterial effects of *Ocimum basilicum* oil (2006).
 - Anti-hepatotoxicity effects of Aqueous extract of *Cynara* leaves. (2006)
 - Chemical composition and antimicrobial of the essential oils of *Salvia fruticosa*.
 - Hypoglycemic effects of *Ocimum basilicum* herb.
 - Review on Recent Advances in treatment of depression
 - Study and evaluation three types of Honey (Thymus, Ziziphus&Citrus).
 - GC-MS Analysis of thymus volatile oil.
 - Antibacterial activity of *Thymus vulgaris* originated from east of Libya.
 - A review on Libyan medicinal Plants has anticancer constituents.
 - Reasearch on histological structure, chemical composition and pharmacological activities of Aloe vera.

LANGUAGES:

- ARABIC
- ENGLISH
- TURKISH

REFERENCES:

Associate Prof. Vincent Wilson

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