

## Faculty of Pharmacy- Elmergib University, Alkhoms, Libya

### C.V: Dr. Mostafa Almdaaf



#### Present position and Address:

The Dean of Faculty of Pharmacy- Elmergib University, Alkhoms, Libya.

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#### Personal Information:

Sex : Male.

Date of Birth : April , 1971.

Home Address : Alzorgan Str., Suk ElKhamis, Alkhoms, Libya.

Citizenship : Libyan.

Social Status : Married

#### Education (Scientific Qualifications):

- **1994:** B.Sc. Pharmaceutical Sciences, Faculty of Pharmacy, Benghazi University (previously called Garyounis University), Benghazi, Libya.
- **2006:** M.Sc. Chemical Instrumentation (instrumental analysis), USM (Universiti Sains Malaysia) Malaysia.
- **2017:** PhD. Analytical Chemistry, Teesside University, UK

#### Occupational Background:

- **2002- 2004:** Demonstrator in Medicinal Chemistry department- Faculty of Pharmacy- Elmergib University.
- **2005-2006:** M.Sc student in School of Chemistry- USM (Universiti Sains Malaysia) – Pinang, Malaysia.
- **2007-2011:** Assisted Lecturer of Analytical Chemistry and Instrumental Analysis, Department of Medicinal Chemistry, Faculty of Pharmacy- Elmergib University.
- **2012-2017:** PhD student in Teesside University – Middlesbrough, UK.
- **2018-2021:** Lecturer of Pharmaceutical Analysis and Drug Quality Control and Instrumental Analysis, Department of Medicinal Chemistry, Faculty of Pharmacy- Elmergib University.
- **2022-2025 (Currently):** The Dean of Faculty of Pharmacy- Elmergib University, Alkhoms, Libya.
- **2024-2025:** Assisted Proff of Pharmaceutical Analysis and Drug Quality Control and Instrumental Analysis, Department of Medicinal Chemistry, Faculty of Pharmacy- Elmergib University.

#### Administrative and Teaching experiences

- **2007- 2011,** Head of Medicinal Chemistry Department, Faculty of Pharmacy- Elmergib University.

A member of the teaching staff of both Practical and theoretical courses of instrumental methods of analysis for undergraduate students (Second year), Faculty of Pharmacy, Elmergib University.

- **2007- 2011**, Acting Dean of faculty of Pharmacy, Elmergib University for several short terms
- **2008- 2009**, Collaborating faculty member - Higher Health Institute – AlKhoms, Libya.
- A member of the teaching staff of both Practical and theoretical courses of analytical chemistry for undergraduate students (second year), AlKhoms High School for Health Sciences.
- **2022- 2025**, The Dean of Faculty of Pharmacy- Elmergib University, Alkhoms, Libya.
- A member of the teaching staff of both Practical and theoretical courses of instrumental methods of analysis for undergraduate students (Second year), pharmaceutical analysis and drug quality control for undergraduate students (Fourth year), Faculty of Pharmacy, Elmergib University.

#### **Practical skills and Experience:**

- Proficiency in speaking and writing in English.
- Proficiency in dealing with computer systems, especially the common ones, such as the Excel system, as well as some software.
- Working on many instrumental (automatic) analysis devices and using them in various chemical and biological analyzes, such as:
  1. Spectroscopy devices such as: UV-Vis spectroscopy, IR spectroscopy.
  2. Flame photometry.
  3. Chromatographic separation devices such as: liquid chromatography (HPLC).
  4. Thermal analyzers e.g TGA.
  5. Electron microscope.
- Working on many instruments (apparatus) which are used in pharmaceutical analysis and drug quality control, such as:
  1. Friability tester.
  2. Hardness tester.
  3. Disintegration time tester.
  4. Dissolution rate tester.

#### **Research Interest:**

The ability to use of various instrumental analysis devices in:

1. Qualitative and quantitative analysis of pharmaceutical preparations.
2. Separation and analysis of different pharmaceutical compounds.
3. Conducting quality control checks and tests for medicines and foods.
4. Separation and study of the chemical composition and biological effect of medicinal plants and natural products.
5. Studying the biological effect of some chemical compounds such as antibiotics, antivirals, and others.
6. Finding appropriate solutions to solve the problems of chemical and biological analysis using traditional methods.

### **Published Papers:**

- Mostafa A. Almdaaf<sup>a</sup>, Mohammed S. Altriki<sup>b</sup> and Mohamed A. Elnekaib (2023). Post-marketing quality assessment of paracetamol brands in the Libyan market. *Mediterr J Pharm Pharm Sci.* 3 (4): 73-79.
- Naser Bazina, Tariq G. Ahmed, Mostafa Almdaaf, Shamsudeen Jibia and Mosh Sarker (2023). Power generation from wastewater using microbial fuel cells: A review. *Journal of Biotechnology* 374, 17–30.
- Naser Bazina<sup>a,b</sup>, Tariq G. Ahmed<sup>c</sup>, Mostafa Almdaaf<sup>d</sup>, Jibin Hea, Mosh Sarkere and Meez Islam (2025). BBCEAS-HLPC measurements for synthetic antioxidants (TBHQ, BHA, and BHT) in deep-UV region below 300 nm. *Food Chemistry* 465, 142150.