

## Curriculum Vitae

**Faten Hameed Abdullah Thamer, PhD (Chemistry)**

Teacher assistance at  
Pharmacy

Department – Al-Razi  
University

Email :

[faten.thamer77@gmail.com](mailto:faten.thamer77@gmail.com)

[f.thamer@su.edu.ye](mailto:f.thamer@su.edu.ye)

[faten.thamer@yahoo.com](mailto:faten.thamer@yahoo.com)

### • Academic Qualification

• **PhD.in analytical Chemistry**, [2014-2019], Department of Chemistry, Faculty of Science, Sana'a University, Republic of Yemen. Title of the thesis: "**Determination the Total Antioxidant's Activity by Using New Spectrophotometric Method Based on Oxidation and Coupling Reaction**".

• **M. Sc. in analytical Chemistry**, [2011-2013], Department of Chemistry, Faculty of Science, Sana'a University, Republic of Yemen. Title of the thesis: "**Spectrophotometric Determination of some catecholamine**".

• **M. Preliminary in Inorganic Chemistry**, [2009-2010], Department of Chemistry, Faculty of Science, Sana'a University, Republic of Yemen.

• **B. Sc.** [Chemistry 2002-2006], Department of Chemistry, Faculty of Science, Sana'a University, Republic of Yemen.

### • Research Interest

- Modification of spectrophotometric methods and developed a new method to determination antioxidants in all different kind of herbs.
- Study the pharmaceutical effect of the medicine herbs on human body.
- Natural product and extraction of the essential oil from different plants and use it as medicine.

- Comparison between the extraction procedures of medical plants.
- **Researcher Experience (13 years)**
- Research Assistance in analytical chemistry laboratory 2011- 2020.
- During the master degree, my research involved developing new spectrophotometric method for determination of catecholamine in blood and pharmaceutical samples.
- Later developed my research on design and develop of new methods for determination of antioxidants in herbs.
- **Relative Skills**
- Develop a new spectrophotometric method for determination of some compounds in pharmaceutical and optical application.
- Isolation, purification and characterization of reaction products by spectroscopic (IR, NMR, UV-Visible and Mass spectrometry) techniques.
- Problem solving skills in spectrophotometric methods and analytical analysis.

### **1. Professor assistance (2018- to now)**

- **Al-Razi University** (College of medical sciences Department of pharmacy) (2018-to now):

List of theoretical course Taught:

- Analytical chemistry 1
- Pharmaceutical Instrumental Analysis I (electro and thermal analysis)
- Pharmaceutical Instrumental Analysis II (spectroscopy)
- Pharmaceutical Instrumental Analysis III (chromatography)

### **Equipment Handled**

- Gas Chromatograph coupled with Mass Spectrometer (GC-MS2010).
- Fourier Transform- Infrared Spectrophotometer (FT-IR -8400s SHIMADZU)
- UV-Visible Spectrophotometer (Analytic gena).

- High Performance Liquid Chromatography (Shimadzu).
- **Soft Skills**
- Good in English (writing, listening and speaking).
- Fluent in Arabic (writing, listening and speaking).
- Windows and linux literate.
- Very good handling with computer with word, excel and power point field and Internet literate.
- Origin 8.0, ChemDraw Ultra 9.0, ChemSketch 11 and Adobe Photoshop.
- Good communicator.
- Graphpad for analysis of data
- References program as Mendeley and end note.
- Ability to work both with team and independently.
- **Workshops:**
  - MASTERY Training Workshop Towards Better Performance of Teacher Assistances and Technicians at the Chemistry Laboratories (2008) Training and Trainer, Sana'a University, Sana'a , Yemen.
  - Training workshop on teaching and evaluation strategies and building exams for academic programs (2021) from Academic Development Center and Quality Assurance, Sana'a University, Sana'a, Yemen.
  - Description of curricula and courses for chemistry undergraduate students workshop(2021) from Academic Development Center and Quality Assurance, Sana'a University, Sana'a, Yemen.
  - Description of curricula and chemistry courses for Applied Medicinal science undergraduate students workshop(2021) from Academic Development Center and Quality Assurance, Sana'a University, Sana'a, Yemen.
  - Description of curricula and analytical and instrumental analysis courses for pharmacy undergraduate students workshop(2022) Ai-Razi University, Sana'a, Yemen.

• **PUBLICATIONS:**

- [1] E. M. A. Dauqan, **Faten. H. Thamer**, K. M. Naji, and Y. Alshaibi, “Different extraction methods and antioxidant properties of thyme ( *Thymus vulgaris* L .) herb,” *International Journal of Chemical Science*, vol. 1, no. 2, pp. 110–116, 2017.
- [2] **Faten H Thamer**, Eqbal MA Dauqan, Khalid M Naji, “The effect of drying temperature on the antioxidant activity of thyme extracts .,” *food-technology-and-preservation*, vol. 2, no. 3, pp. 2–7, 2018.
- [3] K. Mohammed, **Faten. Hameed Thamer**, A. Ahmed, E. Mohammed, Y. Mohammed, and M. Roslen, “ Ferric-bipyridine assay : A novel spectrophotometric method for measurement of antioxidant capacity,” *Heliyon*, vol. 6, no. December 2019, p. e03162, 2020.
- [4] **Faten Hameed Thamer**, N. Thamer, A. Alhamzi, N. Al-ansi, S. Al-sadi, and A. Alshibeh, “Antioxidant Capacity , Total Phenol Contents and Phytochemical Screening of *Citrullus colocynthis* Crust , Pulp and Seeds Extracts,” *Am. J. Biochem. Biotechnol.*, vol. 19, no. 1, pp. 12–19, 2023, doi: 10.3844/ajbbbsp.2023.12.19.
- [5] **Faten Hameed Thamer**, Mustafa Ali Alquhwi, “Antioxidant activity , total phenol contents, and antimicrobial activity of two Yemeni medicinal plants belongs to Euphorbiaceae family ( *Jatropha curcas* and *Euphorbia Cactus Ehrenb*,” *Sana’a Univ. J. Appl. Sci. Technol. I*, vol. 1, no. 1, pp. 13–18, 2023.
- [6] **Faten. H. Thamer** and N. Thamer, “Gas chromatography – Mass spectrometry ( GCMS) profiling reveals newly described bioactive compounds in *Citrullus colocynthis* ( L .) seeds oil extracts,” *Heliyon*, vol. 9, no. 6, p. e16861, 2023, doi: 10.1016/j.heliyon.2023.e16861.