

## **Dr. Ruwida M. K. Omar Elsnini**

### **Permanent Home Address**

Ard lamlom-benghazi

Libya

**Gender:** female

**Nationality:** Libyan

**Email:** [dr.ruwidasnini@gmail.com](mailto:dr.ruwidasnini@gmail.com)

Ruwida.snini@uob.gov.ly

**Mob(Libya):**00218922246319

### **Personal statement**

Doctor of pharmaceutical analysis with considerable experience working as community pharmacist and researcher. Strategic thinker, organizer and planner.

### **Key skills and achievements**

- Highly experienced pharmacist and researcher
- Good communication skills, high ability to work in team.
- Scientific research skills in pharmaceutical analysis, analysis of natural products, instrumental analysis, method development and metabolomics.
- I have learned to seek and accept criticism, using this in a positive manner to further build on my skills.
  - Strong organizational and planning skills.

### **Key publication**

1. Zhang, Tong, **Ruwida M. K. Omar**, Weam Siheri, Sultan Al Mutairi, Carol Clements, James Fearnley, RuAngelie Edrada-Ebel, and David Watson.

- "Chromatographic analysis with different detectors in the chemical characterisation and dereplication of African propolis." *Talanta*, 120 (2014): 181-190.
2. **Ruwida M. K. Omar**, John Igoli, Alexander I. Gray, Godwin Unekwuajo Ebiloma, Carol Clements, James Fearnley, Ru Angeli Edrada Ebel, Tong Zhang, Harry P. De Koning and David G. Watson. "Chemical characterisation of Nigerian red propolis and its biological activity against *Trypanosoma Brucei*." *Phytochemical Analysis*, 27(2016): 107-115.
  3. **Ruwida Omar**, John O Igoli, Tong Zhang, Alexander I Gray, Godwin U Ebiloma, Carol J Clements, James Fearnley, RuAngeli Edrada Ebel, Tim Paget, Harry P De Koning, David G Watson "The chemical characterization of Nigerian propolis samples and their activity against *Trypanosoma brucei* " *Scientific reports*, 1(2017): 923.
  4. Nwakaego E Nweze, Henry O Okoro, Majed Al Robaian, **Ruwida MK Omar**, Terrumun A Tor-Anyiin, David G Watson, John O Igoli " Effects of Nigerian red propolis in rats infected with *Trypanosoma brucei brucei*" *Comparative Clinical Pathology* , 5(2017):1129-1133.
  5. Algeryani SA, Shwihdy NF Al, **Ruwida M K Omar**, El-shinitri N, Alnajjar RA. Review of Biological Properties , Composition and Toxicity of *Annona Muricata*. 2020;(October):5–10.
  6. Najar AM, **Ruwida M.K. Omar**, Bobtaina E. Computational, Pharmacological Evaluation and Comparative Similarity against Chloroquine for Some New Designed Hybridized Molecules and their Potential Use as Antiviral against COVID-19 and Malaria. 2020;(August):0–7.
  7. **Ruwida M K Omar**, Najar AM, Bobtaina E, Elsheikh AF. Pryazolyipyridine and Triazolyipyridine derivative of hydroxychloroquine as Potential Therapeutic against COVID-19: Theoretical Evaluation. *J Drug Deliv Ther*.

**Work experience**

**31/8/2018-up to now:** head of pharmaceutical chemistry dept. in faculty of pharmacy (Benghazi university).

**31/10/2017- up to now:** works as a lecturer at pharmaceutical chemistry department in faculty of pharmacy/ Benghazi university

**1/1/2018-up to now:** member of consultancy committee in Benghazi centre for gifted and talented students.

**31/1/2010- up to now:** works as teaching staff in chemistry department for analytical and organic chemistry to undergraduate students. Then as a vice dean in faculty of pharmacy at **Libyan International Medical University** Benghazi/Libya, and member of curriculum development committee, and as program manger for postgraduate studies in faculty of pharmacy.

**31/5/2013-30/9/2015:** work as demonstrator at university of Strathclyde teaching labs. for undergraduate and Master student.

**30/12/2002-1/07/2008** works as demonstrator in Arab medical university in Benghazi/Libya, teaching the following practical lab courses for under graduate pharmacy students.

1. Analytical chemistry for first, second and the third year Students,
2. Organic chemistry for the first and the second year students.
3. Medicinal chemistry for the third year students.

**4/10/2002-1/7/2007** works as licenced community pharmacist at Ibn-Sina Red crescent polyclinic pharmacy for oil companies in Libya.

## **Qualifications and educational history**

**10/01/2017** PhD from Strathclyde university in pharmaceutical analysis in metabolomics study of activity of African propolis against trypanosoma brucie and mycobacterium tuberculosis continuation of my research in Msc.

**30/9/2008-30/09/2010** finished MSc in pharmaceutical analysis at Strathclyde institute for pharmacy and biomedical sciences with distinction, I was the top student among 35 students included in the same course, in this course I have covered 7 months of theoretical part with lab , and five months doing a research in metabolomics profiling of trypanosomes after treatment with some experimental drugs, during this research I have learnt many analytical techniques like HPLC, MPLC, LC-MS, NMR, GC-MS, IR, UV, data processing and analysis using X-Calibur.

**1/07/2008-30/09/2008:** pre-sessional English course at Strathclyde university graduated with degree equivalent to 7 ILETS

**31/01/2008** : passed the TOEFL exam in language with grade 950.

**30/07/1997-30/07/2002** finished my Bachelor degree with honour degree in pharmaceutical sciences at faculty of pharmacy Arab medical university in Libya, the graduation project was about the antihypertensive effect of *citrullus colocynthis*. I was the top student with excellence grade.

## **Practical and additional skills**

During my undergraduate study, I have learnt a lot of basics about many analytical techniques. Additionally, during MSc and PhD I continued the useful learning in application of these useful techniques in analysis of drugs, and natural products. I

have gained a good experience in development, optimization and validation of analytical techniques such as high performance liquid chromatograph, medium pressure liquid chromatography, nuclear magnetic resonance, UV, IR , and mass spectrometry . highly skilled in MS and MS<sup>n</sup> processing using software such as Mz-mine2.10, and Mz-match.

Good experience in computer skills using Microsoft Packages, Chemdraw, Minitab, Mnova8, SPSS , Mendeley and Endnote.

### **Awarded Certificate**

**1-4 July 2013**, 9th Annual Conference of the Metabolomics Society. Glasgow, UK.

**1-2 November 2015**, 2th Inaugural Scottish metabolomics meeting. Edinburgh, UK.

### **Poster and oral presentation**

A metabolomics approach to linking anti-trypanosomal activity to the composition of Nigerian propolis. Authors: **Ruwida M.K. Omar**, Tong Zhang, John Igoli, Alexander I. Gray, Godwin Unekwuajo Ebiloma, Carol Clements, James Fearnley, RuAngeli Edrada Ebel, Harry P. De Koning and David G. Watson.

Chemical profiling of African propolis by LC-UV-ELSD, high resolution MS and MS/MS and correlation to biological activity. Authors: **Ruwida Omar**, Weam Siheri, Sultan Al Mutairi, Carol Clements, James Fearnley, RuAngelie Edrada-Ebel, David Watson and Tong Zhang.

### **Activities**

- Member of Metabolomics society since 2013 up to date.
- Member of Libyan autism association.

- Member of Libyan pharmacists council in Libya.

### **Hobbies**

Travelling, reading, learning about different cultures, and their history and customs.

### **References**

- **Dr. Dave G. Watson** reader, Office number HW308, Strathclyde Institute of Pharmacy and Biomedical Sciences, 161 Cathedral Street, Glasgow, G4 0ER, Tel: +44 (0)141 548 2506, Email: [D.G.Watson@strath.ac.uk](mailto:D.G.Watson@strath.ac.uk).
- **Dr Darren Edwards** teaching Fellow, Office number HW308, Strathclyde Institute of Pharmacy and Biomedical Sciences, 161 Cathedral Street, Glasgow, G4 0ER, Tel: +44 (0)141 548 3628. Email: [Darren.Edwards@strath.ac.uk](mailto:Darren.Edwards@strath.ac.uk).
- **Dr Edrada-Ebel** heads the Natural Products Metabolomics Group (NPMG). Office number HW308, Strathclyde Institute of Pharmacy and Biomedical Sciences, 161 Cathedral Street, Glasgow, G4 0ER, Tel: +44 (0)141 548 3628. Email: Biomedical Sciences, 161 Cathedral Street, Glasgow, G4 0ER, Tel: +44 (0)141 548 5968. Email: [ruangelie.edrada-ebel@strath.ac.uk](mailto:ruangelie.edrada-ebel@strath.ac.uk).

