

# CURRICULUM VITAE

## Sana Mohammed Elgahmasi

### PERSONAL INFORMATION

**First name / Surname:** Sana Elgahmasi

**Nationality:** Libyan

**Languages:** Arabic, English

**Address:** Soug al Juma'aa, Tripoli, Libya.

**Cell:** +218-927699176.

**Email:** [S.elgahmasi@uot.edu.ly](mailto:S.elgahmasi@uot.edu.ly); [sanamelghmasi@gmail.com](mailto:sanamelghmasi@gmail.com)

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### EDUCATION

- **MSc Biochemistry:** 2017  
University of Tripoli, Libya.  
**Master Thesis:** *In vitro* and *in vivo* antioxidant activity of flavonoids rich extracts from leaves and flowers of *Arbutus pavarrii*.
  
  - **BSc Chemistry:** 1997  
University of Tripoli, Libya.
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### WORK EXPERIENCE

**Job Title:**

**Industry:**

- Aman Company, Tripoli, Libya. 1999-2002.

**Education:**

- Teacher (Bachelor's Degree): Mediterranean Education 2002-Continuing.  
Tripoli, Libya.
  - Collaborator (Master's Degree): 2017  
University of Tripoli, Faculty of Education Kasr Ben Ghashier, Department of Chemistry.
  - Collaborator (Master's Degree): 2018  
University of Tripoli, Faculty of Engineering, Department of Chemistry.
  - Assistant Lecturer (Master's Degree): 2020  
University of Tripoli, Faculty of Medicine, Department of Biochemistry.
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## **WORKSHOPS & COURSES**

- Certification in Computer Technique; Internet and Computing Core (IC<sup>3</sup>). **April, 2009.**
- Workshop on Bio-risk Management, Faculty of Science, University of Tripoli, **15-19 November, 2015.**
- First Science Day of Chemistry. Faculty of Science, University of Tripoli, **April, 2015.**
- The second scientific day of the Department of Chemistry, University of Tripoli. **Poster "elgahmasi, S., Alghazeer, R. and El- Saltani, H. (2017). Protective role of flavonoids rich extract from *Arbutus Pavarii* against carbon tetrachloride-induced hepatotoxicity in mice". Department of Chemistry, Faculty of Science, University of Tripoli, April, 2017.**
- First International Water Conference in Libya-Corinthia Hotel, Tripoli, **April, 2018.**
- Workshop on academic writing and some of programs such as PBIDesktop, mendeley-desktop. Department of Chemistry, University of Tripoli. **March, 2019.**
- Training in DNA extraction, electrophoresis and PCR Applications. Department of Chemistry, University of Tripoli, **2017- Continuing.**

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## **RESEARCH PUBLICATIONS**

1. Rabia Alghazeer, Hussein El-Saltani, **Sana Elgahmasi**, Nuri Awayn, Khadiga Ben Mussa, Fahima Massoudi. **In Vitro Elucidation Free Radical Scavenging Activity of Flavonoids Extracted from Leaves and Flowers of *Arbutus Pavarii* (Ericaceae).** *Academic Journal of Chemistry.* (2017). 2(6): 42-55.
2. Rabia Alghazeer, **Sana Elgahmasi**, Abdul Hakim Elnfati, Mohamed Elhensheri, Mohamed A. Al-Griw, Nuri Awayn, Mariuma El-Nami. **Antioxidant activity and hepatoprotective potential of flavonoids from *Arbutus pavarii* against CCl<sub>4</sub> induced Hepatic Damage.** *Biotechnology Journal International.* (2018). 21(1):1-12.
3. Rabia Alghazeer, Nadia Alghazir, Nuri Awayn, ubeeda Naili, **Sana Elgahmasi**. **Biomarkers of oxidative stress and antioxidant defense in Libyan patients with type 1 diabetes mellitus.** *Ibnosina Journal of Medicine and Biomedical Sciences.* (2019). 10(6): 198-204.
4. Rabia Alghazeer, Eenas Aboulmeedah, **Sana Elgahmasi**, Nadia Alghazir, Zohra Almukthar, Maryouma Enaami, Abdurrahman Rhuma. **Comparative evaluation of antioxidant enzymes and serum selenium levels in Libyan atherosclerotic patients.** *Journal of Biosciences and Medicines.* (2019). 7: 51-69

5. Rabia Alghazeer, Salah Azwai, Amr Amr, **Sana Elgahmasi**, Moammar Sidati, Karima Abouamer, Ftaim Gammoudi, Khayriya Rahouma. **Investigation of antioxidant capacity of alkaloids extracted from two brown algae- an *in vitro* study.** *Journal of Green and Herbal Chemistry*. (2019). 8(4): 399-410.
6. Rabia Alghazeer, **Sana Elgahmasi**, Badriyah Aljazzaf, Mohamed Al-Griw, Maamar Sidati, Dana AlTarrah, Wafa S. Alansari, Mohamed Elhensheri, Abdul Hakim Elnfati. **Evaluation of potential antifertility activity of flavonoids extracted from *Arbutus pavarii* on male albino mice.** *Acta Poloniae Pharmaceutica - Drug Research*, (2020). 77(5): 725-735.
7. Rabia Alghazeer, **Sana Elgahmasi**, Eslam Abdullah, Obiyda Ahtiresh, Ezdehar Althaluti, Ghalia Shamlan, Areej A. Eskandrani, Wafa S. Alansari. **Elucidation of nutritional, phytochemical and pharmacological activities of *Teucrium Polium L* grown in Libya.** *The Journal of Animal and Plant Sciences*, (2021). 31(5).
8. Rabia Alghazeer, Salah Azwai, Aboubaker M. Garbaj, Amr Amr, **Sana Elgahmasi**, Maammar Sidati, Ervia Yudiaty, Mahasn G. Kubbat, Areej A. Eskandrani, Ghalia Shamlan, and Wafa S. Alansari. **Alkaloids rich extracts from brown algae against multi-drug resistant bacteria by distinctive mode of action.** *Arabian Journal for Science and Engineering, Springer*, (2021). 1-11.
9. Abdullah Burwaiss, Manal Ammar, Rabia Alghazeer, Ashour Eljamil, Dalal Alarbie, **Sana Elgahmasi**, Mohamed Al-Griw. **Tissue levels of oxidative stress markers and antioxidants in colorectal cancer Libyan patients.** *Cancer Biology*, (2021). 1(20): (1-9).
10. Abdullah Burwaiss, Manal Ammar, Rabia Alghazeer, Ashour Eljamil, Dalal Alarbie, **Sana Elgahmasi**, Mohamed Al-Griw. **Antioxidant enzymes and lipid peroxidation in Libyan patients with inflammatory bowel disease (IBD).** (2022).
11. Rabia Alghazeer, Hesham El Fatah, Salah Azwai, **Sana Elgahmasi**, Maammar Sidati, Ali El Fituri, Ezdehar Althaluti, Ftaim Gammoudi, Ervia Yudiaty, Nadia Talouz, Ghalia Shamlan, Ammar AL-Farga, Wafa S. Alansari, and Areej A. Eskandrani. **Nutritional and non-nutritional content of underexploited edible seaweeds.** *Hindawi Aquaculture Nutrition*. (2022), Article ID 8422414, 8 pages.
12. Rabia Alghazeer; **Sana Elgahmasi**; Mihayl Varbanov, Stéphanie Philippot; Samia Tayeb Hawisa; Maammar Sidati; Bashir A. Lwaleed. **Cytotoxic, anti-coronavirus and antioxidant activity of *Hypericum triquetrifolium*: Potential Therapeutic Options?.** (2022) (submitted).