

CURRICULUM VITAE

Sana Mohammed Elgahmasi

PERSONAL INFORMATION

First name / Surname: Sana Elgahmasi

Nationality: Libyan

Languages: Arabic, English

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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 pavarii*.
 - **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 (IC³). **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.**

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 CCl₄ 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, Obyda Ahtiweh, 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 Elghmasi**, Maammar Sidati, Ervia Yudiati, 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. Rabia Alghazeer, Hesham El Fatah, Salah Azwai, **Sana Elgahmasi**, Maammar Sidati, Ali El Fituri, Ezdehar Althaluti, Ftaim Gammoudi, Ervia Yudiati, 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.
 11. Badriyah Aljazzaf, Sassia Regeai, **Sana Elgahmasi**, Nadia Alghazir, Amal Balgasim, Ismail Hdud, Areej Eskandrani, Shamlan, Ghalia Shamlan, Wafa S. Alansari, Ammar Al-Farga, and Rabia Alghazeer. **Evaluation of Antidiabetic Effect of Combined Leaf and Seed Extracts of *Moringa oleifera* (Moringaceae) on Alloxan-Induced Diabetes in Mice: A Biochemical and Histological Study.** *Oxid Med Cell Longev.* (2023). Volume 2023, Article ID 9136217, 21 pages.
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12. Fatma Hebail, Khayriya Rahouma, Amal Muftah, Aisha Aldroujee, and **Sana Elghmasi**. **Estimating Antioxidant and Free Radical Scavenging Activity of *Arbutus Pavarii* Extracts**. *Alq J Med App Sci*. (2024), 7(1):65-73.
 13. Rabia O. Alghazeer, Salah M. Azwai, Abdalla A. Elmansori, Khalid M. Alzintani, **Sana Elghmasi**, Asma Y. Alnajjar, Ftaim T. Gammoudi, Maamar Sidati, Samia T. Hawisa, Aboubaker M. Garbaj, and Ibrahim M. Eldaghayes. (2024). **Antibacterial activity of flavonoid extracts from *Enteromorpha intestinalis* and *Caulerpa prolifera* against multidrug-resistant foodborne bacterial isolates**. *Open Veterinary Journal*, 14(3), 769.
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