

CURRICULUM VITAE



PERSONAL INFORMATION

Name: Rabia Omar Alghazeer
Nationality: Libyan
Current post: Professor, University of Tripoli
Current position Vice dean for academic affairs/Faculty of Science
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WORK EXPERIENCE

Jun 2018- to date **Full professor**
Teaching for undergraduates and postgraduates
Research work and manuscripts publications
Thesis supervisor

Jun 2014- Jun 2018 **Associate professor**
Teaching for undergraduates and postgraduates
Research work and manuscripts publications
Thesis supervisor

Jun 2010- Jun 2014 **Assistant professor**
Teaching for undergraduates and postgraduates
Research work and manuscripts publications
Thesis supervisor

Jun 2007- Jun 2010 **Lecturer**
Teaching for undergraduates
Research work and manuscripts publications

Sept 1998-2002 **Demonstrator**

ACADEMIC/PROFESSIONAL PARTICULARS

- (a) **Field of Specialization:** Chemistry, Biochemistry
- (b) **Academic Qualifications** PhD, Biochemistry, 2007, Faculty of Health and Medical Sciences, Surrey University, UK.
- (d) **Language Proficiency** Arabic, English
- (e) **Administrative Positions Held**
- ✓ Vice dean for scientific affairs, Faculty of Science, University of Tripoli (2021-to date)
 - ✓ Biomedical Engineering department (member of Steering Committee, 2021-to date). Engineering Faculty, University of Tripoli.
 - ✓ Vice President of the Reference Laboratory, University of Tripoli. 2014-2016

TEACHING

(a) Summary of Courses Taught

- 2010 to date. Teaching postgraduate students/ Biochemistry division, Chemistry Department, Tripoli University. Tripoli, Libya, Advanced biochemistry (CH670), General metabolism (CH667), Biomolecules I and II (CH665), Experimental Biochemistry (CH070), Biological Fluids (CH675), Conjugated Proteins & Immunochemistry (CH668), Endocrinology & Hormones (CH669) 2009 to 2012. Teaching Organic Chemistry to undergraduate students (CH110), Tripoli University of Medicinal Science, Tripoli, Libya.
- 2008 to date. Teaching undergraduate students General Biochemistry (CH300 and CH451), Tripoli University of Medicinal Science, Tripoli, Libya.
- 2007 to date. Teaching theoretical and practical Biochemistry (CH300P and CH451P) to undergraduate students, Faculty of Science, Tripoli University. Tripoli, Libya.
- 2006-2007. Demonstrator, Department of Nutrition and Food Chemistry. School of Biomedical and Molecular Sciences, University of Surrey, Guildford, Surrey GU2 7XH, UK.
- 1998-2003. Demonstrator, Department of Chemistry Faculty of Science, Tripoli University, Tripoli, Libya.

(b) Participation in Academic Accreditation

- MSc in Biochemistry, Coordinator, 2008-to date

- Study and Examination Office (member of Committee, 2007-2020)
- Undergraduate Adviser (2007-2021)

(c) Research Students Supervised/Trained

- Master Students (15)
- Undergraduate Students (9)

(d) Participation in Thesis and Oral Examination Committees

- Master Students (4)

CURRENT RESEARCH:

- ✓ Studies on the synergistic antioxidant and antidiabetic activities of *Moringa Oleifera leaves and seeds extracts*
- ✓ Study the role of oxidative damage on the progression of colorectal cancer in Libyan patients
- ✓ A Study on the effect of two algal extracts on modulating the antibiotic activity to resist Methcillin-resistant *Staphylococcus aureus* strains
- ✓ Evaluation of antioxidant activity, antibacterial activity, and mode of action of different extracts from two Libyan brown algae
- ✓ Evaluation of antioxidant status in Diabetic and cardiac Libyan patients

(b) Publications/Citations Data

- Articles in International Refereed (53)
- Journals (44)
- Conference Papers (9)

Citation Source Number of Citations

- Research gate (442)
- Google scholar (537)

6. SERVICE

- *Libyan Chemical Society, Member, 1998 to date*
- *Organization of Libyan Academics and Experts, Member, 2017 to date*
- *Libyan society for food and Nutrition, Member, 2019 to date*
- *Libyan Academics & Experts assembly, Member, 2017 to date*
- *Scientific research ethics committee, University of Tripoli, Member, 2019-to date*

- *Member of Editor board in American journal of Chemistry, 2021-to date*
- *Member of Editor board in American Journal of Biomedical Science & Research, 2022.*
- *Reviewer for many Libyan and International Journals*

7. List of Publications

REFEREED RESEARCH PAPERS

1. **Rabia Alghazeer**, and Nazlin K Howell (2007). Formation of 4-hydroxynonenal (4-HNE) in frozen mackerel (*Scomber scombrus*) in the presence and absence of green tea. *J Sci Food Agric* **88**: 1128-1134.
2. **Rabia Alghazeer**, and Nazlin K Howell (2008). Aldehyde formation in frozen mackerel (*Scomber scombrus*) in the presence and absence of instant green tea. *Food Chemistry* : **108**: 801-810
3. **Rabia Alghazeer**, Hongliang Gao and Nazlin K. Howell. (2008), Cytotoxicity of oxidised lipids in cultured colonal human intestinal cancer cells (Caco-2 cells). *Toxicology Letters*; 180, 202-211.
4. **Rabia Alghazeer**, Mahboba B. El-Naili, Asma Najjar, Hana Elmajdub, Aysha Mezoughi , Nazlin Howell (2008). Antioxidant and Antimicrobial activities of *euphorbia calyptrate* (*euphorbiaceae*) from south of Libya. *J.Egypt.Acad.Soc.Environ.Develop.* **10(2)**:129-137.
5. **Rabia Alghazeer**, Fauzi Whida, Hana majdoop, Eysha AlMazoghi. (2009). Assessment of antioxidant activity and phenolic content of marine algae from the north coast of Tripoli (Libya). *Ain Shams Scince Bulletin.* **46**: 77- 85.
6. Mahboba B. Naili, **Rabia O. Alghazeer**, Nabil A. Saleh, Asma Y. Al-Najjar. (2010). Evaluation of antibacterial and antioxidant activities of *Artemisia campestris* (*Astraceae*)and *Ziziphus lotus* (*Rhamnaceae*). *Arabian Journal of Chemistry.* **3**: 79–84.
7. **Rabia Alghazeer**, Hussein El-Saltani, Nabil A. Saleh, Asma Al-Najjar, Mahboba B. Naili, Fatma Hebail and Howida El-Deeb. (2012). Antioxidant and Antimicrobial Activities of *Cynara scolymus* L Rhizomes. *Modern Applied Science.* **6**: 54-63.

8. **Rabia Alghazeer**, Hussein El-Saltani, Nabil A. Saleh, Asma Al-Najjar, and Fatma Hebail. (2012). Antioxidant and antimicrobial properties of five medicinal Libyan plants extracts. *Natural Science*. **4(5)**: 324-335.
9. **Rabia Alghazeer**, Asma Al- Najjar, Hussein El-Saltania, and Nasser Ergeae. (2013). the lipolytic effect of the extracts of hammadia scoparia and green tea (camellia sinensis) on the lipid profiles of white new zealand rabbits. *Journal of Phytotherapy and Pharmacology*. **2(1)**: 01-13
10. **Rabia Alghazeer**, Fauzi Whidab, Fatiem Gammoudi, Salah Azwai, Entesar Abduelrhman. (2013). Screening of antibacterial activity in marine green, Red and brown macroalgae from the western coast of Libya. *Natural Science*. **5(1)**: 7-14.
11. **Rabia Alghazeer**, Fauzi Whidab, Fatiem Gammoudi, Mahbouba Nailia, Entesar Abduelrhman. (2013). In vitro antibacterial activity of alkaloid extracts from green, red and brown macroalgae from western coast of Libya. *African Journal of Biotechnology*. **12(51)**: 7086-7091
12. Mahbouba Nailia , **Rabia Alghazeer**, Asma Al-Najjar, Fahima Al-Massoudia, and Asma Errais. (2013). Antioxidant and Antibacterial Activities of leaf and fruit extracts of *Capparis spinosa L.* from Libya. *The Libyan Journal of Agriculture*. 18:1-6.
13. **Rabia Alghazeer**, Asma Al-Najjar, Nadia Alghazir, Soad Bosseri and Basem Swesi. (2015). Lipid Profile, Lipid Per-oxidation and Trace Elements Status in Libyan Males with Type II Diabetes Mellitus. *Journal of Advances in Biology & Biotechnology*. 3(3): 90-100.
14. **Rabia Alghazeer**, Taher Abourghiba, Ahmed Ibrahim, Esra Zreba. (2016). Bioactive Properties of some selected Libyan plants. *Journal of Medicinal Plants Research*. 10(6): 67-76.
15. Massaud Maamar, Mohamed Al-Griw, **Rabia Alghazeer**, Seham Al Azreg, Naser Salama, Emad Bennour (2016). Oxidative Stress Mediated Cytotoxicity of Trichloroethane in a Model of Murine Splenic Injury. *American Journal of BioScience*. 4(1): 1-8.
16. **Rabia Alghazeer**, Ahmed Ibrahim, Arwa Abdulaziz, Karima Abouamer. *In-vitro* Antioxidant Activity of Five Selected Species of Libyan Algae. (2016). *International Journal of Medicine and Pharmaceutical Research*. 4(1): 01-09.

17. Mohamed Al-Griw, **Rabia Alghazeer**, Seham Al Azreg, Emad Bennour. (2016). Cellular and molecular etiology of hepatocyte injury in a murine model of environmentally induced liver abnormality. *Open Veterinary Journal*, Vol. 6(3): 150-157

18. **Rabia Alghazeer**, Abdalla Elmansori, Moammar Sidati, Ftaim Gammoudi, Salah Azwai, Hesham Naas, Aboubaker Garbaj, Ibrahim Eldaghayes. *In Vitro* Antibacterial Activity of Flavonoid Extracts of Two Selected Libyan Algae against Multi-Drug Resistant Bacteria Isolated from Food Products. (2017). *Journal of Biosciences and Medicines*. 5, 26-48.

19. Mohamed A. Al-Griw, Soad A. Treesh, **Rabia O. Alghazeer**, Sassia O. Regeai. (2017). Environmentally induced Intragenerational Transmission of Liver Abnormalities in Mice. *Open Veterinary Journal*. Vol. 7(3): 244-253.

20. **Rabia Alghazeer**, Hussein El-Saltani, Sana Elghmasi, Nuri Awayn, Khadiga Ben Mussa, Fahima Massoudi. (2017). *In Vitro* Elucidation Free Radical Scavenging Activity of Flavonoids Extracted From Leaves and Flowers of *Arbutus Pavarii* (*Ericaceae*). *Academic Journal of Chemistry*. Vol. 2, No. 6, pp: 42-55.

21. S. K. Shaks hooki, N. Greesh, **R. Alghazeer**, F. Hebail, A. Elhamadi, A. Elouzi, W. Elharari, A. Shebani. . (2017). Synthesis of Novel Fibrous Cerium Phosphate-Silver-Polyethylene Nanocomposites for Antibacterial Applications. *Academic Journal of Chemistry*. Vol. 2, No. 7, pp: 65-73.

22. **Rabia Alghazeer**, Sana Elgahmasi, Abdul Hakim Elnfati, Mohamed Elhensheri, Mohamed A. Al-Griw, Nuri Awayn, Mariuma El-Nami. (2018). Antioxidant activity and hepatoprotective potential of flavonoids from *Arbutus pavarii* against CCl₄ induced Hepatic Damage. *Biotechnology Journal International*. 21(1): 1-12.

23. **Rabia Alghazeer**, Nazlin K. Howell, Mahboba Naili and **Nuri Awayn**. Anticancer and Antioxidant Activities of Some Algae from Western Libyan Coast *Natural Science*. Vol. 10, (No. 7), pp: 232-246. (2018). .

23. **Rabia Alghazeer**; Karima Massud Abuamer ; Asma Yousef Alnajjar; Mohamed Khalifa Albahi (2019). Biodegradation/ decolorization of synthetic dyes by bacterial isolates. *International*

International Journal of Agriculture, Environment and Bioresearch.
(2019). Vol. 4, No. 05; 193-200.

24. 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. (2019). *Ibnosina Journal of Medicine and Biomedical Sciences.* 10:6; 198-204

25. Hamza M.M. Aldgini, Amal Abdullah Al-Abbadi, Eyad S.M. Abu-Nameh, **Rabia Alghazeer**. (2019). Determination of Metals as bio indicators in some Selected Bee Pollen Samples from Jordan. *Saudi Journal of Biological Sciences.* 26(7)

26. Rabia Alghazeer, Rabia Alghazeer, Eenas Aboulmeedah, Sana Elgahmasi, Nadia Alghazir,Zohra Almkthar, Maryouma Enaami, Abdurrahman Rhuma. (2019). Comparative Evaluation of Antioxidant Enzymes and Serum Selenium Levels in Libyan Atherosclerotic Patients. *Journal of Biosciences and Medicines.* 7, 51-69

27. Rabia Alghazeer, Salah Azwai, Amr Amr, Sana Elgahmasi, Moammar Sidati, Karima Abouamer , Ftaim Gammoudi, , Khayriya Rahouma. (2019). *Investigation of Antioxidant Capacity of Alkaloids Extracted from Two Brown Algae - An In vitro Study.* *Journal of Green and Herbal Chemistry.* Vol.8, No.4. 399-410 .

28. Ervia Yudiati, Rustadi, Fanny Iriany Ginzel, Jelita Rahma Hidayati, Mila Safitri Rizfa,NurilAzhar, Muhammad Salauddin Ramadhan Djarod,Eny Heriyati, **Rabia Alghazeer**. (2020). Oral Administration of Alginate Oligosaccharide from *Padina* sp. Enhances Tolerance of Oxygen Exposure Stress in Zebrafish (*Danio rerio*). *Indonesian Journal of Marine Sciences.* Vol 25(1):7-14.

29. Rabia Alghazeer , Abdullah A. Burwaiss , Nazlin K. Howell , Wafa S. Alansari , Ghalia Shamlan and Areej A. Eskandrani. (2020). Determining the Cytotoxicity of Oxidized Lipids in Cultured Caco-2 Cells Using Bioimaging Techniques. *Molecules*, 25, 1693.

30. Subagiyo, Ervia Yudiati1, Nuril Azhar, **Rabia Alghazeer**. (2020). Sensitivity of *Vibrio parahaemolyticus*, *V. vulnificus* and *V. harveyi* Against Chloroxylenol (4-Chloro-3,5-dimethylphenol, C₈H₉ClO) Antiseptic and Pine Oil Disinfectant. *Jurnal Kelautan Tropis* , 23(3):381-387.

- 31. Rabia Alghazeer**, Sana Elgahmasi, Badriyah Aljazzaf, Mohamed Al-Griw, Maamar Sidati, Dana AlTarrah, Wafa S. Alansari, Mohamed Elhensheri, Abdul Hakim Elnfati. (2020). Evaluation of Potential Antifertility activity of flavonoids extracted from *Arbutus pavarii* on male albino mice. *Acta Poloniae Pharmaceutica - Drug Research*, 77(5), 725-735.
- 32.** Mohamed A. Al-Griw, **Rabia O. Alghazeer**, Nuri Awayn, Ghalia Shamlan, Areej A. Eskandrani, Wafa S. Alansari. (2021). Selective Adenosine A2A receptor inhibitor SCH58261 reduces oligodendrocyte loss upon brain injury in young rats. *Saudi Journal of Biological Sciences*. 28: 310–316.
- 33.** Mohamed A. Al-Griw, **Rabia O. Alghazeer**, Naser M. Salama, Bashir A. Lwaleed, Areej A. Eskandrani, Wafa S. Alansari, Afnan M. Alnajeebi, Nouf A. Babteen, Abdul Hakim Elnfati. (2021). Paternal bisphenol A (BPA) exposure induces testis and sperm pathologies in mice offspring: Possibly due to oxidative stress?. *Saudi Journal of Biological Sciences*. 28: 948–955
- 34. Rabia Alghazeer**, Sana Elgahmasi, Eslam Abdullah, Obiyda Ahtiweh, Ezdehar Althaluti, Ghalia Shamlan, Areej A. Eskandrani, Wafa S. Alansari. (2021). Elucidation of nutritional, phytochemical and pharmacological activities of *Teucrium Polium* 1 grown in Libya. *The Journal of Animal and Plant Sciences*, 31(5).
- 35.** Ervia Yudiati¹, Ali Djunaedi, Dea Shinta Kharisma Adziana¹, Ayunda Ainun Nisa¹, **Rabia Alghazeer**. (2021). Improving Production, Chlorophyll a and Carotenoids Contents of *Gracilaria* sp. with Liquid Organic Fertilizer from Alginate Waste. *ILMU KELAUTAN: Indonesian Journal of Marine Sciences*, 26(1):1-6.
- 36.** Ervia Yudiati, Sri Sedjati, Adha Susanto, Nuril Azhar, **Rabia Alghazeer**. (2021). Potency of Chitosan and Chitooligochitosan (COS) from Marine Shrimp Shells as Probiotics for *Streptococcus thermophilus* and *Lactobacillus bulgaricus* Probiotics. *Jurnal Kelautan Tropis Maret*. 24(1):25-33.
- 37. Rabia Alghazeer**, Nazlin K. Howell, Ghalia Shamlan, Areej A. Eskandrani, Wafa S. Alansari. (2021). An investigation of green tea's effect on mackerel (*Scomber Scombrus*)'s protein structure during frozen storage by FT-Raman spectroscopy. *Kuwait Journal of Science*. 48(3):1-12.

- 38. Rabia Alghazeer**, Salah Azwai, Aboubaker Garbaj, Amr Amr, Moammam Sidati. (2021). Alkaloids extracted from brown algae with a potential inhibitory effect on multidrug-resistant bacteria by distinctive mode of action (2021). *Arabian Journal for Science and Engineering*. (<https://doi.org/10.1007/s13369-021-05592-w>).
- 39.** Abdullah Burwaiss, Manal Ammar, **Rabia Alghazeer**, Ashour Eljamil , Dalal Alarbie , Sana Elghmasi, Mohamed Al-Griw. (2021). Tissue levels of oxidative stress markers and antioxidants in colorectal cancer Libyan patients. *Main Chemistry group, Vol.1 (20)*, pp(1-9)
- 40.** Ervia Yudiati, Sri Sedjati, Adha Susanto, Nuril Azhar, **Rabia Alghazeer**. (2021). Producing Active Secondary Metabolite Against Pathogenic *Vibrio* spp. by Actinobacteria-Sodium Alginate Co-Culture. *ILMU KELAUTAN Indonesian Journal of Marine Sciences*. 26(4):254-264.
- 41.** Ervia Yudiati, Nuril Azhar, Muhammad Janib Achmad, **Rabia Alghazeer** . (2022). Alginate Poly and Oligosaccharide (AOS) from *Sargassum* sp. as Immunostimulant in Gnotobiotic *Artemia* Challenge Tests and Antibacterial Diffusion Disc Assay Against Pathogenic *Vibrio parahaemolyticus*, *V. vulnificus* and *V. harveyi*, *Main Chemistry group, (In press)*.
- 42.** Mohamed A. Al-Griw, Zaynab Osama Alshibani, **Rabia O. Alghazeer**, Sana Alghmasi (2022). HDAC inhibitor valproic acid attenuates liver pathology induced by bisphenol A via oxidative stress in mouse model. Scientific report, (**Accepted**)
- 43.** Mohamed A. Al-Griw, **Rabia Alghazeer**, Haithm W Ratemi, Mohamed E. Ben-Othman, Blockade of L-type Ca^{++} channel activity alleviates oligodendrocyte pathology following brain injury in neonatal rats. (2022). *Clinical Laboratory (submitted)*
- 44.** Abdullah Burwaiss, Manal Ammar, **Rabia Alghazeer**, Ashour Eljamil , Dalal Alarbie , Sana Elghmasi, Mohamed Al-Griw Antioxidant enzymes and lipid peroxidation in Libyan patients with inflammatory bowel disease (IBD). (2022) (**submitted**)
- 45. Rabia Alghazeer**; Sana Elghmasi; Mihayl Varbanov, Stéphanie Philippot; Samia Tayeb Hawisa⁴; Maammam Sidati; Bashir A. Lwaleed. Cytotoxic, Anti-coronavirus and Antioxidant Activity of *Hypericum triquetrifolium*: Potential Therapeutic Options?. (2022) (**submitted**)

CONFERENCES

Oral Presentations

- Alghazeer R. RCS Postgraduate research students conference, Aldehyde formation and protein denaturation in frozen fish, University of Leeds. July 2006.
- Alghazeer R. Food Biochemistry group meeting, Cytotoxicity of oxidized lipids in cultured colonal human intestinal cancer cells (caco-2 cells). University of Surrey, UK. February 2007.
- Society of Libyan Chemists, Elucidation of cytotoxic effects of oxidized lipids on cultured caco-2 cells using bioimaging techniques. Alfateh University, Tripoli, Libya. May, 2009.
- Rabia O. Alghazeer, Mahbouba B. El-Naili, Asma Y. Al-Najjar, Hana T. Elmajdub, Aysha B. Mezoughi, Nazlin Howell. Antioxidant and Antimicrobial activities of *Euphorbia calyptrate* (*Euphorbiaceae*) from Southern Libya. Fifth National Biotechnology Conference. The African Cancer Institute. Sebrata, 21-23 March 2009.
- Screening of phytochemicals and antimicrobial activity of some seaweeds from the east coast of Tripoli\ Libya. المؤتمر الثاني لعلوم البيئة, Misurata, Libya, December 2015
- . Biodegradation/ decolorization of synthetic dyes by bacterial isolates. First International Libyan Conference. Tripoli. April 2018.

Posters

- Alghazeer R and Howell N. Effect of aldehyde formation on frozen food texture. International Symposium on Food Rheology and Structure. ETH, Zurich, Switzerland. February 2006.
- Alghazeer R and Howell N. Aldehyde formation and protein denaturation in frozen fish. World Congress of Food Science and Technology,. Nantes, France. September 2006.
- Alghazeer R and Howell N. Aldehyde formation and protein denaturation in frozen fish. School of Biomedical and Molecular Sciences, Postgraduate Students Conference, University of surrey, Guildford. July 2005.

- Alhazeer R and Howell N. Effect of aldehyde formation on frozen food, School of Biomedical and Molecular Sciences, Festival of Science, University of Surrey, Guildford. July 2006.

REFEREES

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