

# CURRICULUM VITAE



## **PERSONAL INFORMATION**

**Name:** Rabia Omar Alghazeer  
**Nationality:** Libyan  
**Current post:** Professor, University of Tripoli  
**Current position** Academic staff  
**Contact Address** Department of Chemistry  
**Faculty of sciences**  
**University of Tripoli**  
P.O. Box 13203  
**Tripoli- Libya**  
Mobile No: 00218-926494158  
Email address: [R. Alghazeer @uot.edu.ly](mailto:R. Alghazeer@uot.edu.ly)

## **WORK EXPERIENCE**

|                           |                                                                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Jun 2018- to date</b>  | <b>Full professor of biochemistry</b><br>Faculty of Science<br>Chemistry Department                                                            |
| <b>Jun 2014- Jun 2018</b> | <b>Associate professor</b><br>Teaching for undergraduates and postgraduates<br>Research work and manuscripts publications<br>Thesis supervisor |
| <b>Jun 2010- Jun 2014</b> | <b>Assistant professor</b><br>Teaching for undergraduates and postgraduates<br>Research work and manuscripts publications<br>Thesis supervisor |
| <b>Jun 2007- Jun 2010</b> | <b>Lecturer</b><br>Teaching for undergraduates<br>Research work and manuscripts publications                                                   |
| <b>Sept 1998-2002</b>     | <b>Demonstrator</b>                                                                                                                            |

## **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**

- ✓ Coordinator of MSc program, biochemistry, chemistry department, Faculty Science, University of Tripoli. 2010-2022
- ✓ Biomedical Engineering department (member of Steering Committee, 2021-to date). Medical Engineering department-Engineering Faculty, University of Tripoli.
- ✓ Vice dean for scientific affairs, Faculty of Science, University of Tripoli (2021-2022)
- ✓ Academic advisor, department of chemistry, Faculty Science, University of Tripoli. 2015-2021
- ✓ Vice President of the Reference Laboratory, University of Tripoli. 2014-2016
- ✓ Scientific research Ethics committee (member), University of Tripoli. 2020-2022
- ✓ Scientific research Ethics committee (Head), University of Tripoli. 2020-2022

## **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 (CH300and 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**

- Coordinator of MSc in Biochemistry program since 2008
- Member of the Study and Examination Office Committee from 2007 to 2020
- Advisor for undergraduate students from 2007 to 2021

**(c) Research Students Supervised/Trained**

- Master Students (20)
- Undergraduate Students ( 10)

**(d) Participation in Thesis and Oral Examination Committees**

- Master Students (5)

**CURRENT RESEARCH:**

- ✓ Synergistic Antioxidant Effects of Clove Bud and Banana Extracts in alleviating Hydrogen Peroxide-Induced Oxidative Stress in Semen: An *in Vitro* Investigation
- ✓ Assessment of Protein Carbonylation Level as a Major Hallmark of Oxidative in Infertile Men
- ✓ Evaluation of anticancer properties of Caulerpa prolifer and Dictyota dichotoma alcoholic extracts against breast and skin cancer agents
- ✓ Oxidative Stress Biomarkers in Patients with Rheumatoid Arthritis
- ✓ Investigate the Effects of Oxidative Stress on Allergy Development and Severity in the Libyan Population

**(b) Publications/Citations Data**

- Articles in International Refereed (75)
- Journals (66)
- Conference Papers (17)

| Citation Source  | Number of Citations |
|------------------|---------------------|
| • Research gate  | (832) h-index 14    |
| • Google scholar | (961), h-index 13   |

## 6. SERVICE

- *Libyan Chemical Society, Member, 1998*
- *Organization of Libyan Academics and Experts, Member, 2017*
- *Libyan society for food and Nutrition, , Member, 2019*
- *Scientific research ethics committee, University of Tripoli, Member, 2019-2022*
- *Scientific research ethics committee, University of Tripoli, Head, 2023-up 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.*
- *Editor in chief in International Libyan of Science 2022-2024*
- *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 majdooop, Eysa AlMazoghi.

(2009). Assessment of antioxidant activity and phenolic content of marine algae from the north coast of Tripoli (Libya). *Ain Shams Science 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 CCl<sub>4</sub> 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 Omar Alghazeer**; Karima Massud Abuamer ; Asma Yousef Alnajjar; Mohamed Khalifa Albahi (2019). Biodegradation/ decolorization of synthetic dyes by bacterial isolates. *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 Almukthar, 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*. (2019). *Journal of Green and Herbal Chemistry*. Vol.8, No.4. 399-410 .
- 28.** Ervia Yudiati, Rustadi, Fanny Iriany Ginzal, 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 Yudiati<sup>1</sup>, Nuril Azhar, **Rabia Alghazeer**. (2020). Sensitivity of *Vibrio parahaemolyticus*, *V. vulnificus* and *V. harveyi* Against Chloroxylenol (4-Chloro-3,5-dimethylphenol, C<sub>8</sub>H<sub>9</sub>ClO) 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 AlTarrach, Wafa S. Alansari, Mohamed Elhensheri, Abdul Hakim Elnfati. (2020). Investigation of the potential anti-fertility activity of *Arbutus pavarii* in male 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 A<sub>2A</sub> 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* l grown in Libya. *The Journal of Animal and Plant Sciences*, 31(5).

**35.** Ervia Yudiati<sup>1</sup>, Ali Djunaedi, Dea Shinta Kharisma Adziana<sup>1</sup>, Ayunda Ainun Nisa<sup>1</sup>, **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 Prebiotics 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, Moammar 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. Taher Shaibi, Hanan N. Balug, **Rabia O. Alghazeer**, Mohamed E. Ben-Othman, Ahmeda E. Benjama, Mohamed Elhensheri, Bashir A. Lwaleed and Mohamed A. Al-Griw. (2022). 4- Exposure to low-dose bisphenol A induces spleen damage in a murine model: potentially through oxidative stress?. *Open Veterinary Journal*, 12(1): 23-32.

42. Sakina S. Saadawi, Rokaya O. Amara, Hanin N. Mughrbi, Bushra M. Dakhil, Riham M. El-Moslemany, Khadija O. Turkman, Masarra A. Daraweel, Khairi A. Alennabi, **Rabia O Alghazeer**. (2022). Green Synthesis and Characterization of Libyan Propolis Nanoparticles and its Biological Activity. *South Asian Res J Pharm Sci*. 4(2): 28-35.

43. 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, 20: 1-15.
44. Ervia Yudiati, Ali Djunaedi, Nuril Azhar, Rabia O Alghazeer. Alginate from Sargassum sp. Improve the Hematology Performance and Oxygen Tolerance Exposure of *Lates calcarifer* (2022). Journal Kelautan Tropis. Vol. 25(3):439-447.
45. Mohamed Al-Griw, Suliman Shalab, **Rabia Alghazeer**, Abdul Hakim Elnfat, Soad Treesh, Ahmeda Benjama, Ghalia Shamlan, Mahmmoud Habibullah, Areej Eskandrani, Afnan Alnajeebi, Nouf Babteen, and Wafa Alansari , Nigella sativa oil alleviates mouse testis and sperm abnormalities induced by BPA: potentially through redox homeostasis?, (2022). Combinatorial Chemistry & High Throughput Screening 2022; 25.
46. Mohamed A. Al-Griw, Zaynab Osama Alshibani, **Rabia O. Alghazeer**, Sana Algahmasi (2022). HDAC inhibitor valproic acid attenuates liver pathology induced by bisphenol A via oxidative stress in mouse model. Scientific Reports 12(1):10258.
47. Ervia Yudiati, Alifia Nabilla Putri, Akbar Harahap, Nuril Azhar, Danang Ambar Prabowo, **Rabia Alghazeer**. (2022). Light Intensity on Nannochloropsis sp. Culture Promote Pigment Contents, Biomass Production, Total Lipid and Specific Fatty Acid Profile. ILMU KELAUTAN Indonesian Journal of Marine Sciences 27(2):101-110.
48. **Rabia Alghazeer** , Hesham El Fatah , Salah Azwai , Sana Elghmasi , Maammar Sidati , Ali El Fituri , Ezdehar Althaluti , Ftaim Gammoudi , Ervia Yudiati , Nadia Talouz , Ghalia Shamlan , Ammar AL-Farga , Wafa S. Alansari , Areej A. Eskandrani. (2022). Nutritional and Non-nutritional Content of Underexploited Edible Seaweeds. Aquaculture Nutrition. 2022(2)
49. Fathi M Sherif, Hana A Bazine, Mohammed A Shlaka, JamalS Mezogi, **Rabia O Alghazeer**, Fathi MSherif. Phytochemical and pharmacological studies of *Lycium schweinfurthii* methanolic leaves extract (Solanaceae) in mice. (2022). *Pharmacy & Pharmacology International Journal*. 10(6):201–206.

50. Janib Achmad<sup>1</sup>, Ervia Yudiati, Nuril Azhar<sup>2</sup>, **Rabia Alghazeer**. Chloroform Fraction from Methanol Extract of Starfish *Acanthaster planci* Stimulates Catfish (*Clarias* sp.) Macrophage Immunomodulatory Activity. (2023). Jurnal Kelautan Tropis Maret, Vol. 26(1):95-104

51. Badriyah Aljazzaf , **Rabia Alghazeer** , Abubaker I. Swehli , Mabruk Erhuma, Entisar Elgmati , Masud S. Muammer , Taher Torban , Ammar AL-Farga, Wafa S. Alansari , Areej A. Eskandrani , Ghalia Shamlan and Mohamed A. Al-Griw. Association between Vitamin D Status and Health Status of Adults in Western Libya. (2023). Processes 2023, 11, 930.

52. Mohamed A. Al-Griw, Hanan N. Balog, Taher Shaibi<sup>ID</sup>, Mohamed Fouzi Elmoaket, Iman Said Ali AbuGamja , Ahlam Bashir AlBadawi, Ghalia Shamlan , Ammar Alfarga , Areej A. Eskandrani , Afnan M. Alnajeebi, Nouf A. Babteen, Wafa S. Alansari , **Rabia Alghazeer**. Therapeutic potential of vitamin D against bisphenol A-induced spleen injury in Swiss albino mice. (2023). PLOS ONE | 9:1-18, 2023.

53. Badriyah Aljazzaf, Sassia Regeai, Sana Elghmasi, Nadia Alghazir, Amal Balgasim, Ismail M. Hdud Ismail, Areej A. Eskandrani, 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. Oxidative Medicine and Cellular Longevity. (2023). Oxidative Medicine and Cellular Longevity, 2023(31):1-21.

54. Mohamed A. Al-Griw, **Rabia Alghazeer**, Haithm W Ratemi, Mohamed E. Ben-Othman, Blockade of L-type  $\text{Ca}^{++}$  channel activity alleviates oligodendrocyte pathology following brain injury in neonatal rats. (2023). Current Issues in Molecular Biology 45(5).

55. Ichoun Brawici Dhewang, Ervia Yudiati, Subagiyo, **Rabia Alghazeer**. Supplementation of Carrageenan (*Kappaphycus alvarezii*) for Shrimp Diet to Improve Immune Response and Gene Expression of White Shrimp (*Litopenaeus vannamei*). (2023). ILMU KELAUTAN: Indonesian Journal of Marine Sciences, Vol 28(2):161-172.

56. Ichoun Brawici Dhewang, Ervia Yudiati<sup>1</sup>, Subagiyo<sup>1</sup>, **Rabia Alghazeer**. Carrageenan Extraction of *Kappaphycus alvarezii* Seaweed from Nus Lembongan Waters Using Different Alkaline Treatments. (2023). Jurnal Kelautan Tropis Juni. Vol. 26(2):238-244.

57. Bushra Dakhil, Ahmed Eshwika, Basma Doro<sup>1</sup>, **Rabia Alghazeer**, Ibrahim Eldaghayes, Keven Kavanagh. Antifungal susceptibility testing of *Malva parviflora* yield extracts, against *C. albicans* and *A. fumigatus*. (2023). Academic Journal of Science and Technology, JAN, 2023, vol.1, No.1, p. 101-108.
58. E. Yudiati, Z. Arifin, A. Santoso, J. R. Hidayati, **Rabia Alghazeer**, and N. Azhar, "Artemia with Synbiotics Enrichment Improves Resistance Against *Vibrio parahaemolyticus* AHPND of *Litopenaeus vannamei* Larvae. (2023). Buletin Oseanografi Marina, vol. 12, no. 3, pp. 357-364.
59. **Rabia. 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. Garbajand Ibrahim M. Eldaghayes. Antibacterial activity of flavonoid extracts from *Enteromorpha intestinalis* and *Caulerpa prolifera* against multidrug resistant foodborne bacterial isolates. (2024). Open Veterinary Journal 14(3):769-778.
60. Nuril Azhar, Ervia Yudiati, Ambariyanto, **Rabia Alghazeer**, and Agus Trianto. immunostimulatory effects of ulvan on trypsin-mediated protein digestion in the gut of pacific whiteleg shrimp (*Litopenaeus vannamei*). (2024). Jurnal Riset Akuakultur, 19 (1), 45-56..
61. Chrisna Adhi Suryono, Adi Santoso, Ervia Yudiati, Bambang Yulianto<sup>1</sup>, Sunaryo Sunaryo, Nuril Azhar and **Rabia Alghazeer**. The Impact of Varying Alginate Co-activation with Probiotics on the Artemia Bioencapsulation to Enhance Immunity Against *Vibrio* spp. LMU KELAUTAN: *Indonesian Journal of Marine Sciences*. Vol 29(3):372-384. 2024
61. **Rabia Alghazeer**, Salah Azwai, Musa Alksaik, Sana Elghmasi, Maammar Sidati, Ali El Fituri, Ibrahim Eldaghayes, Ezdehar Althaluti <sup>f</sup>, Entesar Ali Abomies, Areej A. Eskandrani, Ghalia Shamlan, Ammar Alfarga, Wafa S. Alansari. Bioactive compounds potentiation and antibacterial activities of a *petalonia fascia* extract on methicillin-resistant *staphylococcus aureus* strains. (2024). *J Microbiol Biotech Food Sci*. e11493.
62. **Rabia Alghazeer**; Sana Elghmasi; Mihayl Varbanov, Stéphanie Philippot; Samia Tayeb Hawisa<sup>4</sup>; Maammar Sidati; Bashir A. Lwaleed. Cytotoxic, Anti-coronavirus and Antioxidant Activity of *Hypericum triquetrifolium*: Potential Therapeutic Options. (2024). Scientific report. (accepted)

63. 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). (2024). **(submitted)**

64. Marwa Yuossef Elhaderi, Abdul Hakim Elnafti, Wafa S. Alansari, Ammar Al-Fargah, Areej A. Eskandrani, Badriyah Aljazzaf and **Rabia Alghazeer**. (2024). Association of lipid peroxidation and AMH Levels in Seminal Plasma within Libyan Infertile men. **(submitted)**.

65. **Rabia Alghazeer**, Ezdehar Althaluti, Sana Elghmasi, Maamar Sidati, Hesham M. Abd El Fatah, Abdul M. Gbaj, Ammar AL-Farga, Wafa S. Alansari, Ghalia Shamlan ,Areej A. Eskandrani. Lipid Characterization and bioactivity evaluation of Total Lipid Extracts from *D. dichotoma*, *P. capillacea* and *C. prolifera*. (2024). **(submitted)**.

## CONFERENCES

### Oral Presentations

- Antibacterial and Antibiotic Potentiation Activities of a *Petalonia Fascia* Extract on Methicillin-resistant *Staphylococcus Aureus* Strains, Basic Sciences and Their Applications Conference, Asmarya university, zletin, Libya, 2024
- Biodegradation/ decolorization of synthetic dyes by bacterial isolates. First International Libyan Water Conference. Tripoli. April 2018.
- Screening of phytochemicals and antimicrobial activity of some seaweeds from the east coast of Tripoli\ Libya. The second conference of environmental sciences, Misurata, Libya, December 2015
- 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.
- Antioxidant and Antimicrobial activities of *Euphorbia calyptrate* (*Euphorbiaceae*) from Southern Libya. Fifth National Biotechnology Conference. The African Cancer Institute. Sebrata, 21-23 March 2009.
- Aldehyde formation and protein denaturation in frozen fish, University of Leeds. July 2006.
- Food Biochemistry group meeting, Cytotoxicity of oxidized lipids in cultured colonal human intestinal cancer cells (caco-2 cells). University of Surrey, UK. February 2007.

## Posters

- Manar Hadod and **Rabia Alghazeer**. Assessment of protein carbonylation as a key indicator of oxidative damage in infertile men. 3rd Tripoli Conference on Medical Technologies. Dec.2024. Tripoli, Libya
- Maha Oda and **Rabia Alghazeer**. Anticancer potential of *Caulerpa prolifera*, *Dictyota dichotoma* alcoholic extracts against breast cancer cells. 3rd Tripoli Conference on Medical Technologies. Dec.2024. Tripoli, Libya
- Sabrea imbark a and **Rabia Alghazeer** . Synergistic Antioxidant Effects of Clove Bud and Banana Extracts in alleviating Hydrogen Peroxide-Induced Oxidative Stress in Semen: An in Vitro Investigation. 3rd Tripoli Conference on Medical Technologies. Dec.2024, Tripoli, Libya.
- Maamar Sidati, Ali El Fituri, Sana Elgahmasi, Ezdehar Althaluthi, **Rabia Alghazeer**. *In Vitro* Antibacterial Activity of Crude Extracts of some Selected Libyan Algae against Gram positive and Gram negative selected bacterial isolates. Basic Sciences and Their Applications Conference, Asmarya university, zletin, Libya, 2024.
- Ezdehar A. Althallouthi; Moammar A. Sidati; Abdul-Fattah Gabaj; **Rabia Alghazeer**. Computational Analysis of Anticancer and Antiviral Properties of Libyan Algal Lipids. The Seventh Biotechnology Conference, Tripoli, Libya, 2024.
- Maamar Sidati, Ezdehar Althaluthi, Abdul-Fattah Gabaj, **Rabia Alghazeer**. Lipid Characterization and bioactivity evaluation of Total Lipid Extracts from *Caulerpa prolifera*, *Dictyota dichotoma* and *Pterocladia capillacea* . The Seventh Biotechnology Conference, Tripoli, Libya, 2024.
- **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.
- Alghazeer 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**

Professor Nazlin Howell, Faculty of Health and Medical Sciences,  
University of Surrey, Guildford, Surrey, GU2 7XH UK.

[n.howell@surrey.ac.uk](mailto:n.howell@surrey.ac.uk)

Professor Hussin El Sultani, Chemistry Department, University of  
Tripoli, Tripoli, Libya,

[Hussein.Elsultani@gmail.com](mailto:Hussein.Elsultani@gmail.com)