


Curriculum Vitae (CV)

الاسم: نادية سالم محمد الرويق

Full Name	Nadia Salem Mohamed Alrawaiq	
Phone Number	+218910206505	
E-mail (University Email)	Na.Alrawaiq@sebhau.edu.ly	
Department	Pharmacology	
Research Area Key words (5 at least)	Antioxidants, Detoxification Enzymes, Nuclear factor E2-related factor 2 (Nrf2), Gene Expression, Protein Expression, Dietary Phytochemicals, Liver.	
Award & Fellowships		
Education	PhD in Pharmacology	
Publications		
<ol style="list-style-type: none"> 1. Azman Abdullah, Nadia Salem Alrawaiq, Ahmed Atia. (2019). The effect of Administration of an Equal Dose of Different Classes of Phytochemicals on Heme Oxygenase-1 Gene and Protein Expression in Mice Liver. <i>Asian J Pharm Clin Res</i>, 12 (3): 256-260. 2. Azman Abdullah, Nadia Salem Alrawaiq, Ahmed Elbadri. (2019). The Effect of Administration of an Equal Dose of Different Classes of Dietary Chemicals On Heme Oxygenase-1 Gene Expression in Mice Liver. <i>International Conference On Drug Discovery and Translational Medicine 2018 (ICDDTM '18)</i>. 3. Ahmed Atia, Nadia Salem Alrawaiq, Azman Abdullah. (2018). The Effect of Tocotrienol-Rich Fraction On the Expression of Glutathione S-Transferase Isoenzymes in Mice Liver. <i>Sains Malaysiana</i>, 47(11): 2799–2809. 4. Azman Abdullah, Nadia S. Alrawaiq, Ahmed Elbadri. (2018). The Effect of Administration of an Equal Dose of Different Classes of Dietary Chemicals On Heme Oxygenase-1 Gene Expression in Mice Liver. <i>International Conference On Drug Discovery and Translational Medicine 2018 (ICDDTM '18)</i>. 5. Azman Abdullah, Nadia Alrawaiq, Ahmed Atia. (2018). Potency of Several Dietary Chemicals in Inducing Heme Oxygenase-1 Expression in Mice Liver. <i>Regional Conference On Non-Communicable Diseases 2018 (RCNCD 2018)</i>. 6. Azman Abdullah, Nadia Salem Alrawaiq, Ahmed Elbadri. (2018). The Effects of Equal Doses of Sulforaphane, Curcumin and Quercetin On Heme Oxygenase 1 Gene and Protein Expression in Mice Liver. <i>Journal of Engineering and Applied Sciences</i>, 13 (11): 8885-8889. 7. Azman Abdullah, Nadia Salem Alrawaiq, Ahmed Atia. (2018). Heme Oxygenase 1 Gene Expression in Mice Liver Is Differently Affected by Equal Doses of Phytochemicals. <i>Pharmacophore</i>, 9(5): 13-17. 8. Azman Abdullah, Ahmed Elbadri, Nadia Alrawaiq. (2017). The Effect of Palm Oil-Derived Tocotrienol Rich Fraction On Heme Oxygenase-1 Protein Expression in Mice Liver. <i>The Medical Journal of Malaysia</i>, 72(Supplement 2 August): 18. 		

9. **Nadia Salem Alrawaiq**, Ahmed Atia, Azman Abdullah. (2017). The Effect of Administration of an Equal Dose of Different Classes of Dietary Chemicals On NQO1 Expressional Level in Mice Liver. *Pharmacophore*, 8(5): 1-9.
10. Azman Abdullah, Ahmed Elbadri, **Nadia Alrawaiq**. (2017). Increased Expression of Liver Glutathione S-Transferase Isoenzymes Through Supplementation of Palm Oil Tocotrienol Rich Fraction (TRF) In Mice. *Cancer Research Conference 2017*.
11. Azman Abdullah, Ahmed Elbadri, **Nadia Salem Alrawaiq**. (2017). Liver Heme Oxygenase-1 Expression Is Positively Induced by Palm Oil-Derived Tocotrienol Rich Fraction (TRF) Supplementation in Mice. *International Proteomics Conference 2017*.
12. Azman Abdullah, Ahmed Atia, **Nadia Alrawaiq**. (2017). The Effect of Palm Oil-Derived Tocotrienol Rich Fraction on Heme Oxygenase-1 Protein Expression in Mice Liver. *Open Conference Systems, THE i-SIHAT 2017 SYMPOSIUM*.
13. Azman Abdullah, Ahmed Atia, **Nadia Salem Alrawaiq**. (2017). Liver Heme Oxygenase 1 Expression Is Positively Induced by Palm Oil-Derived Tocotrienol-Rich Fraction (TRF) Supplementation in Mice. *Current Topics in Pharmacology*, (17): 55-62.
14. Ahmed Atia, **Nadia Alrawaiq**, Azman Abdullah. (2016). Food Consumption and Body Weight in Mice Treated with Palm Oil Derived Tocotrienol Rich Fraction (TRF). *International Journal of PharmTech Research*, 9(3): 262-266.
15. Azman Abdullah, **Nadia Alrawaiq**, Ahmed Elbadri. (2016). The Effects of Equal Doses of Sulforaphane, Curcumin and Quercetin On Heme Oxygenase 1 Gene and Protein Expression in Mice Liver. *International Conference On Herbal Science, Technology & Medicine (HerbSTeM) 2016*.
16. Azman Abdullah, Ahmed Atia, **Nadia Alrawaiq**. (2016). The Effect of Tocotrienol Rich Fraction (TRF) Derived from Palm Oil On Glutathione S Transferases Protein Expression in Mice Liver. *FRIM Proceedings No.8: Healing Power from Nature: Current Trends and Perspectives. Proceedings of The 14th Seminar On Medicinal & Aromatic Plants, FRIM, Kepong, Selangor, Malaysia*. 218-223.
17. Azman Abdullah, **Nadia Alrawaiq**, Ahmed Elbadri. (2016). The Potency of Sulforaphane, Curcumin and Quercetin in Inducing Heme Oxygenase 1 Gene Expression in Mice Liver. *Pharma Bio Asia 2016*.
18. Ahmed Atia, **Nadia Alrawaiq**, Azman Abdullah. (2016). Tocotrienol-Rich Palm Oil Extract Induces NAD(P)H:quinone Oxidoreductase 1 (NQO1) Expression In Mice Liver. *Journal of Applied Pharmaceutical Science*, 127-134.
19. Azman Abdullah, **Nadia Alrawaiq**, Ahmed Atia. (2016). The Effects of Equal Doses of Sulforaphane, Curcumin, Quercetin, Butylated Hydroxyanisole and Indole 3 Carbinol On Glutamate Cysteine Ligase Catalytic Subunit (GCLC) Gene and Protein Expression in Mice. *International Journal of Pharmacy and Pharmaceutical Sciences*, 106.
20. Azman Abdullah, **Nadia Salem Alrawaiq**, Ahmed Atia. (2015). The Effects of Equal Doses of Sulforaphane, Curcumin, Quercetin, Butylated, Hydroxyanisole and Indole-3-Carbinolon Gultamate-Cysteineligase Catalytic subunit (GCLC) Gene and Protein Expression in Mice. *4th International Conference On the Pharmaceutical, Nutraceutical and Cosmetics Sciences (IPNaCS)*.

21. Azman Abdullah, **Nadia Salem Alrawaiq**, Ahmed Atia Elbadri. (2015). The Effects of Equal Doses of Sulforaphane, Curcumin and Quercetin On Heme Oxygenase 1 Gene Expression in Mice Liver. FRIM Proceedings No. 7: Prosiding Persidangan Industri Herba 2015, Putrajaya, 218.
22. Azman Abdullah, **Nadia Salem Alrawaiq**, Ahmed Atia. (2015). The Effects of Equal Doses of Sulforaphane, Curcumin and Quercetin On Heme Oxygenase 1 Gene Expression in Mice Liver. Persidangan Inductri Herba 2015.
23. Abdullah A, Elbadri A, **Alrawaiq N**. (2015). The Effects of Equal Doses of Sulforaphane, Curcumin and Quercetin On Heme Oxygenase 1 Gene Expression in Mice Liver. International Conference On Antioxidants and Degenerative Diseases (ICADD) 2015.
24. A Abdullah, **N Alrawaiq**, A Elbadri. (2015). The Effect of Palm Oil Derived Tocotrienol Rich Fraction On Glutathione S-Transferases Expression in Mice Liver. Public Health Genomics, 31.
25. Ahmed Atia, **Nadia Alrawaiq**, Azman Abdullah. (2014). A Review of NAD(P)H:Quinone Oxidoreductase 1 (NQO1); A Multifunctional Antioxidant Enzyme. Journal of Applied Pharmaceutical Science, 4 (12): 118-122.
26. **Nadia Salem Alrawaiq**, Qodriyah Hj Mohd Saad, Kamisah Yusof, Zakiah Jubri, Azman Abdullah. (2014). The Effects of Equal Doses of Sulforaphane, Curcumin and Quercetin On NADPH-Quinone Oxidoreductase (NQO1) Gene Expression in Mice Livers. 3rd International Postgraduate Conference On Pharmaceutical Sciences.
27. Atia A., Abdullah A., **Alrawaiq N**. (2014). Overview of The Role of β 2-Adrenergic Receptor Variants in Human Hypertension. International Journal of PharmTech Research, 6(5):1611-1615.
28. **Nadia Salem Alrawaiq**, Azman Abdullah. (2014). A Review of Flavonoid Quercetin: Metabolism, Bioactivity and Antioxidant Properties. International Journal of PharmTech Research, 6(3):933-941.
29. **Nadia Salem Alrawaiq**, Azman Abdullah. (2014). Dietary Phytochemicals Activate the Redox-Sensitive Transcription Factor Nrf2. International Journal of Pharmacy and Pharmaceutical Sciences, 6(5):11-16.
30. **Nadia Salem Alrawaiq**, Azman Abdullah. (2014). An Evaluation of Sulforaphane as A Potential Agent for Disease Prevention. Research Journal of Pharmaceutical, Biological and Chemical Sciences, 5(3):1335-1349.
31. **Nadia Salem Alrawaiq**, Azman Abdullah. (2014). A Review of Antioxidant Polyphenol Curcumin and Its Role in Detoxification. International Journal of PharmTech Research. 6(1):280-289.
32. **Nadia Salem** & Azman Abdullah. (2013). Sulforaphane and Its Function in Cancer Chemoprevention. Journal of Pharmaceutical and Biomedical Sciences, 35(35):1788-1795.

Publications (books)

Working Experience

1995 – 2010: Department of pharmacy and medical supply, Ministry of Health, Sebha, Libya.

Teaching Activities

I have extensive teaching experience in lecturing several pharmacy courses. For example, I have given several courses for undergraduate students, such as pharmaceutical chemistry and hospital pharmacy, at Sebha Higher Institute of Health, Libya from 2004 to 2006. Also, I have had another chance to teach courses of hospital pharmacy, pharmacology, therapeutics and pharmaceutics for Pharmacy students, at Ubari Higher Institute of Health, Libya from 2007 to 2010. Moreover, I had been recognized to supervise many students on doing their projects, at Ubari Higher Institute of Health, Libya. As a teaching assistant, I have had the opportunity to teach biochemistry laboratory for first year students at faculty of Nursing, Sebha University, Libya, from October 2007 to July 2008 and pharmacology for second year student from 2016 to 2018. Also I have taught physical pharmacy for pharmacy students at faculty of Pharmacy, Sebha University, Libya, from November 2017 to February 2018. Currently I am teaching therapeutics for pharmacy students, Faculty of Pharmacy, Sebha University, Libya.

Lab Work Experience

- Isolation of RNA from tissues
- Agarose Gel electrophoresis
- Isolation of mouse organs
- Nuclear and cytoplasmic protein extraction
- Quantitative Real time PCR (qPCR) for measurement of mRNA expression
- Western blot electrophoresis for determination of protein expression
- Measurement of different protein activities
- High Liquid Performance Chromatography (HLPC) technique
- Gas Chromatography (GC) technique
- Animal handling technique
- Microbial techniques: Isolation and identification of bacteria, staining, sample processing, culturing, plating, antibiotic susceptibility test

SKILLS

Word, Excel and Power Point
Image J software
EndNote
Statistical Package for the Social Sciences (SPSS)

Departmental Duties & Activities

Professional Memberships/Activities

Libyan Pharmacists Syndicate (LPS)

Date 4/3/2019

Nadia Salem Mohamed Alrawaiq