

Publications

Patent Filed:

1-Maznah Ismail and **Ghanya Al-Naqeep**. Cardioprotective Effects of Nutraceuticals Isolated from Nigella Sativa Seeds. PI 20084285.

<https://patents.google.com/patent/US20110244060A1/en>

2-Maznah Ismail and **Ghanya Al-Naqeep**, Extraction of fixed oil and thymoquinone rich fraction (TQRF). PI 20084925.

<https://patents.google.com/patent/US8501250B2/en>

Scientific Papers (Publications)

1. **Ghanya Al-Naqeep**, Cinzia Cafarell, Eugenio Aprea, Giovanna Ferrentino, Alessandra Gasparini, Chiara Buzzanca, Giuseppe Micalizzi, Paola Dugo, Luigi Mondello, Francesca Rigano. Supercritical fluid extraction of Cactus Opuntia ficus-indica L seeds oil: antioxidant activity, chemical characterization and comparison with conventional solvent extraction. Submitted to Food and Bioproducts Processing (under review).
2. **Al-Naqeep, G.**, Sidarovich, V., Scrinzi, D., Mazzeo, I., Robbiati, S., Pancher, M., Fiori, L., & Adami, V. (2022). Hydrochar and hydrochar co-compost from OFMSW digestate for soil application: 3. Toxicological evaluation. Journal of environmental management, 320, 115910. Advance online publication.
<https://doi.org/10.1016/j.jenvman.2022.115910>.
Impact factor 8.91.
3. Al-Naqeep, G.; Fiori, L.; Ciolli, M.; Aprea, E. Prickly Pear Seed Oil Extraction, Chemical Characterization and Potential Health Benefits. Molecules 2021, 26, 5018.
<https://doi.org/10.3390/molecules26165018>. **Impact factor 4.927.**
4. **Al-Naqeep, G. (2020)**. Antioxidants activity and cholesterol regulation effect of Caralluma flava N.E.Br extract in HepG2 cells. Arabian Journal of Medicinal and Aromatic Plants, 6(3), 57-75. doi:<https://doi.org/10.48347/IMIST.PRSM/ajmap-v6i3.23655>.
5. Kaokabah, N., A. Al-Qubati, and **G. Al-Naqeep**. "ANTI-OBESITY EFFECTS OF PULICARIA JAUBERTII E. GAMAL-ELDIN IN HIGH FAT DIET-INDUCED RATS". Universal Journal of Pharmaceutical Research, Vol. 5, no. 5, Nov. 2020, doi: <https://doi.org/10.22270/ujpr.v5i5.487>.
6. **Ghanya Al-Naqeep**, Harald L. Esch, Carolin Kleider, Matthew J. Picklo Sr, Leane Lehmann: Antiadipogenic properties, Chemical characterization and Genotoxicity Approaches of Pulicaria Jaubertii E. Gamal-Eldin leaves Extract Originated from Yemen. Hörsaalzentrum of the Technische Universität Dresden. 12th-14th June 2019.
Conference paper
7. **Ghanya Al-Naqeep**. Acute toxicity and anti-ulcerative potential of caralluma flava N.E.Br methanolic extract against ethanol-induced gastric ulcers in rats. Journal of Medicinal Plants Studies 2017; 5(6): 21-25.
8. **Ghanya Al-Naqeep**, Caralluma flava N.E.Br extract reduces plasma glucose level and improves plasma antioxidant enzymes in hyperglycemic rats. Journal of Medicinal Plants Studies. 5(6): 39-43. 2017.

9. **Ghanya Al-Naqeb**, Aziza Taj Al- Deen. The effect of *Rumex nervosus* Vahl leaves on high fat diet-induced hyperglycemia and hyperlipidemia in albino rats. International Journal of Chemical Science. Volume 1; Issue 2; November 2017; Page No. 80-83.
10. **Ghanya Al-Naqeb**, Jana Rousov, Alena Kubatov Matthew J. Picklo Sr. *Pulicaria jaubertii* E. Gamal-Eldin reduces triacylglyceride content and modifies cellular antioxidant pathways in 3T3-L1 adipocytes. Chemico-Biological Interactions 253 (2016) 48-59. <https://www.ars.usda.gov/research/publications/publication/?seqNo115=315513>. **Impact factor 5.168.**
11. Picklo M, Rousova J, Kubatova, **Al-Naqeb G**. *Pulicaria jaubertii* Extract Prevents Triglyceride Deposition in 3T3-L1 Adipocytes. FASEB J. 2015;29(1):924.19. **Conference paper**
12. **Ghanya Al-Naqeb**, Effect of prickly pear cactus seeds oil on the blood glucose level of streptozotocin-induced diabetic rats and its molecular mechanisms. International Journal of Herbal Medicine 2015; 3(4): 2934.
13. **Ghanya Al-Naqeb**, Antioxidant and Antibacterial Activities of Some Yemeni Medicinal Plants. International Journal of Herbal Medicine 2015; 3(3): 06-11.
14. Aziza Taj Al- Deen and **Ghanya Al-Naqeb**. Hypoglycemic effect and in vitro antioxidant activity of methanolic extract from Argel (*Solenostemma Argel*) Plant. International Journal of Herbal Medicine 2014; 2 (2): 126-129.
15. Mohd Alfazari Mohd Ghazali, **Ghanya Al-Naqeb**, Kesavanarayanan Krishnan Selvarajan, Mizaton Hazizul Hasan, and Aishah Adam. Apoptosis Induction by Polygonum Minus Is Related to Antioxidant Capacity, Alterations in Expression of Apoptotic-Related Genes and S-Phase Cell Cycle Arrest in Hepg2 Cell Line. BioMed Research International Volume 2014, Article ID 539607, 13 pages. **Impact factor 3.246.**
16. R K Wesam, **A N Ghanya**, H H Mizaton, M Ilham and A. L. Aishah. Assessment of Genotoxicity and Cytotoxicity of Standardized Aqueous Extract from Leaves of *Erythroxylum Cuneatum* in Human HepG2 and WRL68 Cells Line. Asian Pacific Journal of Tropical Medicine (2013)811-816. **Impact factor 1. 226.**
17. Aziza Taj Al- Deen, **Ghanya Al-Naqeb** and Qais Al-Maqtari. Potential antioxidants and antibacterial from *Dodonaea viscosa*, *Fragaria x ananassa* and *Vernonia amygdalina* leaves. University of Aden Journal of Natural and Applied Sciences, 17, 2013. Asian Pacific journal of tropical medicine.
18. Samara Kraidi , Aishah Adam , Wan Iryani and **Ghanya Al-Naqeb** 2013. Antiproliferative Effect of Antioxidant Rich Fraction Isolated from *Cassia Auriculata* and its Molecular Mechanisms. The Open Conference Proceedings Journal, 2013, Volume 4. 10.2174/2210289201304010228. **Conference paper**
19. Mohd Aidil Azahar, **Ghanya Al-Naqeb**, Mizaton Hasan, Aishah Adam. Hypoglycemic effect of *Octomelessumatrana* aqueous extract in streptozotocin-induced diabetic rats and its molecular mechanisms. Asian Pacific Journal of Tropical Medicine (2012)875-881. **Impact factor 1. 226.**
20. John CM, Ramasamy R, **Al Naqeb G**, Dhiab Al-Nuaimi AH, Adam A. Enhanced CD4+CD25+ regulatory T cells with splenic proliferation and protection against oxidative stress by nicotinamide in gestational diabetes. Current medicinal chemistry, 2012, 16. **Impact factor 4.184.**

21. C.M. John, R. Ramasamy, **G. Al Naqeeb**, A.H.D. Al-Nuaimi³ and A. Adam, Nicotinamide Supplementation Protects Gestational Diabetic Rats by Reducing Oxidative Stress and Enhancing Immune Responses. *Current Medicinal Chemistry*, 2012, 19, 5181-5186.
Impact factor 4.184.
22. Ismail Norsharina, Ismail Maznah, Al-Absi Aie **and Al-Naqeeb Ghanya**. Thymoquinone rich fraction from *Nigella sativa* and thymoquinone are cytotoxic towards colon and leukemic carcinoma cell lines. *Journal of Medicinal Plants Research*. 2011, Vol. 5(15), 3359–3366.
Impact factor 0.45.
23. **Ghanya Al-Naqeeb**, Adel S. Al-Zubairi, Maznah Ismail, Zulkhairi Hj Amom and Norhaizan Mohd Esa. Anti-atherogenic potential of *Nigella sativa* seeds and Oil in Diet Induced Hypercholesterolemia in Rabbits. *Evidence Based Complementary and Alternative Medicine*. 2011. Volume 2011, Article ID 213628, 8pages. **Impact factor 2.560.**
24. **Ghanya Al-Naqeeb**, Maznah Ismail, Gururaj Bagalkotkar, Hadiza Adamu. Vanillin rich fraction regulates LDLR and HMGCR genes expression in HepG2 cells. *Food Research International* 43 (2010) 2437–2443. **Impact factor 7.425.**
25. Maznah Ismail, **Ghanya Al-Naqeeb** and Kim Wei Chan. *Nigella sativa* thymoquinone-rich fraction greatly improves plasma antioxidant capacity and expression of antioxidant genes in hypercholesterolemic rats. *Free Radical Biology & Medicine* 48 (2010) 664–672. **Impact factor 8.101.**
26. Maznah Ismail, **Ghanya Al-Naqeeb**, Wan Abd Aziz bin Mamat and Zalinah Ahmad. Gamma-oryzanol rich fraction regulates the expression of antioxidant and oxidative stress related genes in stressed rat's liver. *Nutrition & Metabolism* 2010, 7:23doi:10.1186/1743-7075-7-23. **Impact factor 3.896.**
27. Abdalbasit Adam Mariod, **Ghanya AL-Naqeeb** and Maznah Ismail. Monechma Ciliatum Extract Regulates Low-Density Lipoprotein Receptor and 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Genes Expression By In Hepg2 Cells. *African Journal of biotechnology*.2010. 9(36) 5813-5819. **Impact factor 0.573.**
28. **Ghanya Al-Naqeeb**, Maznah Ismail and Zeenathul Allaudin. Regulation of Low-Density Lipoprotein Receptor and 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Genes Expression by Thymoquinone Rich Fraction and Thymoquinone in HepG2 Cells. *J Nutrigenet Nutrigenomics* 2009; 2:163–172. **Impact factor 0.573.**
29. **Ghanya Al-Naqeeb** and Maznah Ismail. Effects of Thymoquinone Rich Fraction and Thymoquinone on plasma lipoprotein level and hepatic low-density lipoprotein receptor and 3-Hydroxy-3methylglutaryl coenzyme A reductase gene expression. *Journal of Functional Foods* 1 (2009) 298–303. **Impact factor 5.223.**
30. **Ghanya Al-Naqeeb** and Maznah Ismail. Regulation of Apolipoprotein A-1 and Apolipoprotein B100 Genes by Thymoquinone Rich Fraction and Thymoquinone in HepG2 Cells. *Journal of Food Lipids* 16(2009) 245–258.
31. **Al-Naqeeb, G.N.**, M.M. Ismail, A.S. Al-Zubairi and N.M. Esa. Nutrients composition and minerals content of three different samples of *Nigella sativa* L. cultivated in yemen. *Asian Journal of Biological Sciences*, 2009. 2: 43-48. **Impact factor 0.369.**

32. **Al-Naqeeb, G.**, M. Ismail and A.S. Al-Zubairi. Fatty acid profile, α -tocopherol content and total antioxidant activity of oil extracted from *Nigella sativa* seeds. *International Journal of Pharmacology*. 2009. 5 (4): 244-250. **Impact factor 0.751.**
33. Latifah Saiful Yazan, Wei Keat Ng, Ghanya **Al-Naqeeb**, Maznah Ismail. Cytotoxicity of Thymoquinone (TQ) from *Nigella sativa* Towards Human Cervical Carcinoma Cells (HeLa). *Journal of Pharmacy Research*. 2009, 2(4), 585-589. Impact factor 0. Citation 34.

Conferences and workshops

-DAAD-Alumni-Forum from 1 to 7 of July 2022, Wuerzburg Germany.

-Speaker in the Building Peace for Sustainability through Science Conference 1 March 2022 – 6:30 pm to 8:00 pm South Africa Standard Time (SAST).

Building Peace for Sustainability through Science

<https://us06web.zoom.us/my/laurelmilliken?pwd=Z1hjTDhxRFFjY243ZExhVGVVYT2NiQT09>

-World Forum for Women in Science, 8 March 2021

Refugee and displaced scientists

<https://www.interacademies.org/news/gender-dimension-refugee-and-displaced-scientists>

-The EuroScience Open Forum (ESOF) 2020 Trieste

Permanent Insecurity: A Science International strategy to support displaced and refugee scientists and science student. Remote speaker

<https://www.esof.eu/en/speakers/speakers-details/ghanya-al-naqeb.html>

<https://www.units.it/news/esof-forced-out-welcome-european-action-researchers-risk>

<https://www.esof.eu/en/programme/programme-event-list-all-events/event-information/permanent-insecurity-a-science-international-strategy-to-support-displaced-and-refugee-scientists-and-science-students.html>

- Virtual 2020 AOCs Annual Meeting & Expo. From 29TH OG June 2020- 3rd of July 2020.

<https://www.eventscribe.com/2020/AOCs/agenda.asp?pfp=FullSchedule>.

-Workshop “Plant tissue culture technique from A to Z” 4-6 November 2019, Karlsruhe Institute of Technology, Karlsruhe. Venue: Fritz-Haber - Weg. 4, Gbd. 30.43, (5. OG, Seminarraum 506, 507), 76131 Karlsruhe.

-Workshop “Opening Doors: Peer-Mentoring and Collaborative Research”, 4-6 July 2019. Harnack Haus, Freie Universität Berlin, Germany.

<https://www.fu-berlin.de/en/sites/academicsinsolidarity/media/Archive-QM1.html>

-19th International Congress of the International Society for Ethnopharmacology (12th-14th June 2019) “Antiadipogenic properties, Chemical characterization and Genotoxicity Approaches of *Pulicaria Jaubertii* E. Gamal-Eldin leaves Extract Originated from Yemen.

Ghanya Al-Naqeb, Harald L. Esch, Carolin Kleider, Matthew J. Picklo Sr, Leane Lehmann: Hörsaalzentrum of the Technische Universität Dresden. 12th-14th June 2019.

<https://tu-dresden.de/mn/internationales/veranstaltungen/symposien-kolloquien/2019-international-ethnopharmacological-congress>.

-2019 Forum for Academic Freedom by the Alliance of Science Organisations in Germany: Supporting the Career Development of Researchers at Risk. 18 – 19 March 2019, Berlin Cafe Moskau, Karl-Marx-Allee 34, 10178 Berlin <https://www.cafemoskau.com/>

<https://www.humboldt->

[foundation.de/pls/web/docs/F697314032/Programme_Forum_Academic_Freedom_2019.pdf](https://www.humboldt-foundation.de/pls/web/docs/F697314032/Programme_Forum_Academic_Freedom_2019.pdf)

-2018 Scholars at Risk Network Global Congress, Freie Universität Berlin in Berlin, Germany, 23-26 April, 2018 on the theme of The University and the Future of Democracy.

<https://www.berlin-university-alliance.de/en/news/items/20180423-scholars-at-risk.html>

<https://www.humboldt-foundation.de/web/press-release-2018-10.html>

- The Role of Some Selected Yemeni Herbal Plants for Disease Prevention

July 12, 2018, 4pm | Campus Neues Palais | House 12, Room 0.39 (1.12.0.39)

Citizenship Lectures Summer 2018: Science at Risk – Scholars at Work. Centre for Citizenship, Social Pluralism and Religious Diversity. Universität Potsdam, Germany

<https://www.uni-potsdam.de/de/centre->

[citizenship/events/citizenshiplectures/citizenshiplecturessummer2018.html](https://www.uni-potsdam.de/de/centre-citizenship/events/citizenshiplectures/citizenshiplecturessummer2018.html)

-2018 Threatened Researchers II – Science in Exile. December 6th, 2018 Venue: “Senate Hall”, Engelbert-Arnold Str. 2, 76131 Karlsruhe (building 11.30), KIT Campus South.

<https://www.intl.kit.edu/ischolar/11116.php>

-2016 OWSD Fifth General Assembly and International Conference on Women in Science and Technology for the Developing World 16-19 May 2016, Kuwait.

<https://owsd.net/about-owsd/conferences/5th-general-assembly-and-international-conference>

-2013- International Conference on Women in Science and Technology in the Arab Countries . Venue: Kuwait Institute for Scientific Research (KISR) April 21-23, 2013. Ghanya Al-Naqeb*, Department of Food Sciences and Technology, Faculty of Agriculture, University of Sana`a, Yemen: “stimulation of Hair Growth by The Herbal Hair Proliferator and Its Molecular Mechanisms in Vitro and In Vivo”

<http://www.sheraca.eg.net/images/conf.pdf>

-2013- The Yemeni Academic Conference on the Nutrition Study Program in Yemen, 17th to 19th December 2013. Al- Bostan Hotel, Sana`a .

-2013- Yemen’s Rural Development Agenda, Sheba hotel on Thursday, December 5th, 2013 from 8:30 am to 4.00 pm.

-2012- BIT’s 2nd Annual World Congress of Marine Biotechnology (WCMB-2012), September 20-23, 2012 in Dalian, China. “Development of Nutraceutical Isolated from Nigella Sativa Seeds for Reducing Cardiovascular Disease Risk”.

[http://www.biobest.com.au/bioweb/index.php?option=com_content&view=article&id=150:annual-world-congress-of-marine-biotechnology-&catid=39:conferences&Itemid=73.](http://www.biobest.com.au/bioweb/index.php?option=com_content&view=article&id=150:annual-world-congress-of-marine-biotechnology-&catid=39:conferences&Itemid=73)

Memberships in societies and scientific committees

- OWSD Member since 2013.
- Members of the Academics in Solidarity Network/ Germany
- Members of the scholar at risk Network/Italy
- Members of the Sana'a University Females Academies Forum/Sana`a Yemen
- Member in American Oil Chemists' Society/ USA
- Member in Women in science without borders.
- Member in Arab Scientific Research Councils
- Member in Agricultural Cooperative Federation/ Yemen
- Member in Ruler women development association / Yemen
- Member in Nutrition society / Yemen

Training Courses

- 2013- Sida International Training Programme “Quality Infrastructure for Food Safety”Sweden, November 17 to December 13, 2013.
- Training Courses on Nutrition Awareness and food processing and preservation in Abs (Hajah) and Zabid (Hodeidah) with UNDP as trainer. 2013
- Training Courses on Nutrition Awareness and food processing and preservation in Sana`a and Emran with UNDP as trainer. 2013
- Training Courses on Nutrition Awareness and food processing and preservation in, Hodeida with European Union Project for Technical Assistance to Tehama Development Authority, Ministry of Agriculture & Irrigation as trainer. 2012
- Training Courses on Nutrition Awareness and food processing and preservation in Dhamar and Ibb with UNDP as trainer. 2012
- Training Courses on Nutrition Awareness and food processing and preservation in Lahij with UNDP as trainer. 2012

Personal Skills and Abilities

- Experience in Genotoxicity work.
- Experience in different cells culture work.
- Experience in animal studies work (Rats, Rabbits, Mice)
- Experience in cell cancer and toxicity studies.
- Experience in molecular biology (RNA and DNA extraction, gene expression).
- Experience in operating and handling real time PCR.
- Experience in operating and handling gene expression profiler (GeXP) system
- Experience in operating SFE (Super critical fluid extraction system).
- Experience in providing training on Community-Based Management of Acute Malnutrition (CMAM).
- Experience in providing training on management of Severe Acute Malnutrition (SAM).
- Experience in providing training on management of Moderate Acute Malnutrition (MAM).
- Experience in providing training on providing supplement Feeding program for pregnant and lactating women.
- Experience in identifying training needs, plan and implement relevant trainings in nutrition.
- Experience in providing training for staff on nutrition guidelines and protocols.
- Experience in planning of dieting.
- Experience in Food processing technology.
- Experience in Food packing and labeling technology.
- Experience in Food preservation methods.

Experience in the design of small industrial units in the field of food industries.

- Experience in the development of human skills and abilities. •
- Experience in rural women development.
- Experience in the formation of agricultural cooperatives.
- Able to speak and write in Arabic and English. Having basic Malay language, Dutch and Italian language.
- Proficient in Microsoft Office (Word, Power Point, Excel) and Internet Explorer.
- Familiar in web Page Building (Netscape Navigator, Front Page and HTML).

- Experience in various statistical programs SPSS and GraphPad Prism 7.

Dr. Ghanya Al-Naqeb

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University of Trento, Italy.