

# Dr. Baker M. Al Shara

## Contact Information:

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**Address:** Irbid, Jordan.

**Date of Birth:** 1982.

**Nationality:** Jordanian.

**Marital Status:** Single.



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## Education:

- 2019**      **Ph.D. Biotechnology**  
University of Malaya (#59 in QS World University Ranking 2021)  
Kuala Lumpur, Malaysia.
- 2009**      **M.Sc. Biological Science**  
Yarmouk University  
Irbid, Jordan.  
Very Good rating.
- 2006**      **B.Sc. Biological Science**  
Yarmouk University  
Irbid, Jordan.  
Good rating.

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## Professional Experience:

- 1<sup>th</sup> Sep 2014 till 1<sup>st</sup> January 2019**      **PhD student in Biotechnology**  
University of Malaya  
Kuala Lumpur, Malaysia
- 17<sup>th</sup> Sep 2011 till 1<sup>st</sup> August 2014**      **Lecturer in Biology Department**  
University of Hail  
Hail, Saudi Arabia.
- 1<sup>st</sup> April 2009 till 10<sup>th</sup> August 2011**      **Researcher in Plant Tissue Culture Lab,**  
Biology Department,  
Yarmouk University  
Irbid, Jordan.

16<sup>th</sup> Feb 2009 till 11<sup>th</sup> Sep 2011

**Biology Teacher**  
**Ministry of Education**  
**Irbid, Jordan.**

1<sup>st</sup> Oct 2008 till 1<sup>st</sup> May 2010

**Researcher in Histology and Physiology Lab,**  
**Biology Department,**  
**Yarmouk University.**

2007 till 2009

**Teaching Assistant**  
**Biology Department,**  
**Yarmouk University.**

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### **Skills:**

Excellent research skills

Excellent communication and presentation skills

Fluency in Arabic, Excellent in English language and good in Malay language.

Advance computer skills.

Excellent in collections data (literature reviews) using different data libraries.

Excellent in microtechnique (preparation plant and animal slides).

Excellent in molecular biology (Pipetting, DNA isolation, RNA isolation, electrophoresis, PCR, cDNA, and qPCR).

Very good in extract information from (NCBI) and another program.

Very good statistical analysis (SPSS and Excel) skills.

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### **Certificates of Courses:**

19 Nov 2012

Hail University

Advanced analytical instrumentation and solution for academia

21 April 2013

Hail University

Recent advances in scientific instrumentation and its application in scientific and applied research.

10 April 2014

University of Hail

Recent trends in the chromatography, spectroscopy and metal separation and their scientific, industrial, environmental and medical application cooperated Agilent technologies (USA)

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### **Publication:**

1. Khan, A., Muhamad, N. A., Taha, R. M., Mohamad, J. and **Al-Shara, B.** 2021. Therapeutic potential of saffron (*Crocus sativus* L.) and chemical components in the treatment of cancer and cardiovascular disorders – a review. International Food Research Journal. (Accepted **ISI paper**)

2. Abderrahim, L. A., Taibi, K., Boussaid, M., **Al-Shara, B.**, Abderrahim, N. A., & Abderrahim, S. A. (2021). *Allium sativum* mitigates oxidative damages induced by Microcystin-LR in heart and liver tissues of mice. *Toxicon*, 200, 30-37. **ISI paper**)
3. Khan, A., Muhamad, N.A., Ismail, H., Nasir, A., Khalil, A.A.K., Anwar, Y., Khan, Z., Ali, A.; Taha, R.M., **Al-Shara, B.**, Latif, S., Mirza, B., Fadladdin, Y.A.J., Zeid, I.M.A., Al-Thobaiti, S.A (2020). Potential Nutraceutical Benefits of In Vivo Grown Saffron (*Crocus sativus* L.) As Analgesic, Anti-inflammatory, Anticoagulant, and Antidepressant in Mice. *Plants*, 9(11), 1414. **(ISI paper)**
4. **Baker Al-Shara**, Rosna Mat Taha, Jamaludin Mohamad Hashimah Elias and Asif Khan (2020). Somatic embryogenesis and plantlet regeneration in the *Carica papaya* L. cv. Eksotika. *Plants*, 9(3), 360. **(ISI paper)**
5. **Al-Shara, B.**, Taha, R. M., & Rashid, K. (2018). Biotechnological methods and limitations of micropropagation in papaya (*Carica papaya* L.) production: a review. *Journal of Animal and Plant Sciences*, 28(5), 1208-1226. **(ISI paper)**
6. **B. M. AL-Shara**, M. A. AL-Adhami, M. Z. Amra (2013). A comparison of routine fixation and microwave fixation of the retina in *Garra rufa* (Cyprinidae, Teleostei). *INT J CURR SCI*, 5, 101108.
7. Al Khateeb, W., Hussein, E., Qouta, L., Alu'datt, M., **Al-Shara, B.**, & Abu-Zaiton, A. (2012). *In vitro* propagation and characterization of phenolic content along with antioxidant and antimicrobial activities of *Cichorium pumilum* Jacq. *Plant Cell, Tissue and Organ Culture (PCTOC)*, 110(1), 103-110. **(ISI paper)**
8. Khalil, A., Al-Adhammi, M., **Al-Shara, B.**, Gagaa, M., Rawshdeh, A., & Alshamli, A. (2012). Histological and ultrastructural analyses of male mice exposed to mobile phone radiation. *J. of Toxicology Review*, 1(1), 1-6.

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#### Conference Papers:

1. Efficient *in vitro* surface sterilization protocols and callus formation from seed explants of *Carica papaya*. L (Eksotika I). International Postgraduate Research Awarded Seminar (In PRAS) 2016, Oral presentation, University of Malaya, 6-7 April 2016.
2. Effect of environmental and agronomic factors on growth and flowering of saffron (*Crocus sativus* L.). 22nd Biological sciences graduate congress. Oral presentation University town, NUS, Singapore, 19-21.

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#### References:

1. **Prof. Dr. Rosna Mat Taha**  
 Email: [rosnamattaha58@gmail.com](mailto:rosnamattaha58@gmail.com)  
 Institute of Biological Sciences,  
 Faculty of Science, University Malaya,  
 50603 Kuala Lumpur, Malaysia.
2. **Associate Professor Dr. Jamaludin Mohamad**  
 Email: [jamal@um.edu.my](mailto:jamal@um.edu.my)  
 Institute of Biological Sciences,  
 Faculty of Science, University Malaya.