

**LUQMAN BIN ABU BAKAR**

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**PERSONAL PARTICULARS**

Date of Birth : 5<sup>th</sup> February 1988

Marital Status : Single

Religion : Islam

Nationality : Malaysian

Language : Malay, English – oral & write

**EDUCATION BACKGROUND**

Institution	Qualification	Year of Completion	CGPA/Result
Universiti Malaysia Terengganu	Doctor of Philosophy (Biotechnology)	2019	Pass with Minor Correction
	Master of Science (Cell and Molecular Biology)	2015	Pass with Minor Correction
	Bachelor of Science (Biological Sciences)	2011	3.11

**WORKING EXPERIENCE**

1. Business Development Executive at Bio Synergy Laboratories Sdn. Bhd. (Penang) (May 2019 until November 2020)
2. Lecturer at Department of Preclinical, Faculty of Veterinary Medicine, Universiti Malaysia Kelantan (December 2020-April 2021)
3. Senior Lecturer at Department of Preclinical, Faculty of Veterinary Medicine, Universiti Malaysia Kelantan (May 2021)

**PROFICIENCIES**Research Interest:

1. Cell and Molecular Biology (Proteomic, gene expression and cell culture)
2. Environmental Biology
3. Application of Natural Products
4. *In-vivo* study
5. Marine Biotechnology
6. Drug Discovery

## Publications (H-Index: 2.0)

1. **Abu-Bakar, L.** and Ahamad-Zakeri, H. 2012. Preliminary Study on the Potential of *Gracilaria* sp. as Bioremediator of Metals Contamination: The Dark-Adapted Quantum Yield and Chlorophyll a Content. *OIDA International Journal of Sustainable Development* 4(6): 99-104.
2. Zakeri, H. A. and **Abu Bakar, L.** 2013. Copper-, Lead- and Mercury-Induced Changes in Maximum Quantum Yield, Chlorophyll A Content and Relative Growth of Three Malaysian Green Macroalgae. *Malaysian Journal of Fundamental and Applied Sciences* 9(1): 16-21.
3. **Luqman, A. B.**, Nakisah, M. A. and Hazlina, A. Z. 2014. Physiological and biochemical responses of three *Gracilaria* (Rhodophyceae) treated with mercury(II) nitrate. *Acta Biologica Malaysiana* 3(3):84-90.
4. **Luqman, A. B.** and Hazlina, A. Z. 2015. Accumulation of Cu(II) and Pb(II) in three Rhodophytes of the Genus *Gracilaria* and the Impact of the Metals on the Algal Physiology. *Bioscience and Bioengineering* 1(4): 106- 111.
5. **Luqman, A. B.**, Nakisah, M. A. and Hazlina, A. Z. 2015. Impact of Mercury (II) Nitrate on Physiological and Biochemical Characteristics of Selected Marine Algae of Different Classes. *Procedia Environmental Sciences* 30:222-227.
6. Nur-Maisarah Sarizan, Faridah Mohamad, Noraznawati Ismail, **Luqman Abu-Bakar** and Tengku-Sifzizul Tengku-Muhammad. 2019. Anti-Atherosclerotic Bioactive Compound from a Marine Mollusc, *Chicoreus* sp. *International Journal of Pharmaceutical Sciences and Research* 10(3):1259-1262.
7. Nurul-Adila Azemi, Noraznawati Ismail, **Luqman Abu-Bakar** and Tengku-Sifzizul Tengku-Muhammad. 2019. Sterol composition and anti-atherosclerosis effects of *Xestospongia muta* extracts by increasing transcriptional activity of SR-B1 promoter. *International Journal Of Pharmaceutical Sciences and Research* 10(6):2892-2897.
8. **L. Abu-Bakar**, N. Ismail, V. Sevakumaran and T. S. Tengku Muhammad. 2018. Compound from marine echinoderm as a new drug in treating hypercholesterolemia via reverse cholesterol transport. *Atherosclerosis* 275: e170.
9. **L. Abu-Bakar**, N. Ismail, S. Vigneswary, H. Jaafar, T.S. Tengku-Muhammad. 2019. Methyl Benzoate Increases High Density Lipoprotein Level In Diet-Induced Hypercholesterolemia In Animal Model Of Sprague-Dawley Rat. *Atherosclerosis* 287: e224.
10. Intan Noor Aina Kamaruzaman, Hong Wei Ting, Muhammad Aiman Mokhtar, Yong Kai Yuan, Azim Wafiy Gulam Shah, Fathin Faahimaah Abdul Hamid, C.W Salma C.W. Zalati, Nurshahirah Shaharulnizim, Mohd Farhan Hanif Reduan, **Luqman Abu-Bakar**. 2021. First case report on molecular detection of *Trypanosoma lewisi* in an urban rat in Kelantan, Malaysia; An accidental finding. *Journal of Advanced Veterinary and Animal Research* 8(3): 435-439.
11. N.-A. Azemi, **L. Abu-Bakar**, N. Ismail, T.-S. Tengku-Muhammad. 2021. Linoleic acid treatment increases the expression of scavenger receptor class B type 1 (SR-B1) in *in-vitro* model. *Atherosclerosis* 331: e128.

Referees:

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