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## Does the Malaysian Sovereign sukuk market offer portfolio diversification opportunities for global fixed-income investors? Evidence from wavelet coherence and multivariate-GARCH analyses (Article)

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### Abstract

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Understanding the co-movement among asset returns is a critical issue in finance, as investors can minimize risk through diversification. International investors seek alternative asset classes to diversify their portfolio. Therefore, it would be meaningful to investigate whether sukuk (Islamic bond) offer any advantages in terms of global diversification. In this context, we examined the volatilities and correlations of sovereign bond indexes in developed countries, such as the US, Canada, Germany, the UK, Australia, and Japan, and the Thomson Reuters BPA Malaysia Sukuk Index, using wavelet coherence and multivariate-GARCH analyses. The data cover the period January 2010–December 2015. The results of the study significantly highlight that wavelet coherence illustrates lower co-movement between returns on developed market bond index (the US, the UK, Australia, Canada, Germany, and Japan) with returns on the Malaysian sukuk index during the sample period. Moreover, the Malaysian sukuk market has negative unconditional correlation with the US and Canadian bond markets, which is a good sign of diversification benefits. This study reveals attractive opportunities in terms of diversification benefits, with credit quality and sharia-compliant financial sector exposure for investors who want to invest in fixed-income securities. © 2018 Elsevier Inc.

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- 1 Abdullah, A.M., Saiti, B., Masih, M.  
The impact of crude oil price on Islamic stock indices of South East Asian countries: Evidence from MGARCH-DCC and wavelet approaches ([Open Access](#))

(2016) *Borsa Istanbul Review*, 16 (4), pp. 219-232. Cited 19 times.  
<http://www.journals.elsevier.com/borsa-istanbul-review/>  
doi: 10.1016/j.bir.2015.12.002

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- 2 Akhtar, S.M., Jahromi, M., John, K., Moise, C.E.  
(2016)  
Intensity of Volatility Linkages in Islamic and Conventional Markets. Available at SSRN: or.  
<https://ssrn.com/abstract=2906546>

- 3 Aloui, C., Hammoudeh, S., Hamida, H.B.  
Co-movement between sharia stocks and sukuk in the GCC markets: A time-frequency analysis

(2015) *Journal of International Financial Markets, Institutions and Money*, 34, pp. 69-79. Cited 28 times.  
<http://www.elsevier.com/locate/intfin>  
doi: 10.1016/j.intfin.2014.11.003

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- 4 Aloui, C., Hammoudeh, S., Hamida, H.B.  
Global factors driving structural changes in the co-movement between sharia stocks and sukuk in the Gulf Cooperation Council countries

(2015) *North American Journal of Economics and Finance*, 31, pp. 311-329. Cited 25 times.  
<http://www.elsevier.com.ezproxy.um.edu.my/locate/najef>  
doi: 10.1016/j.najef.2014.12.002

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- 5 Barassi, M.R., Caporale, G.M., Hall, S.G.  
Irreducibility and structural cointegrating relations: An application to the G-7 long-term interest rates

(2001) *International Journal of Finance and Economics*, 6 (2), pp. 127-138. Cited 15 times.  
doi: 10.1002/ijfe.147

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- 6 (2007)  
Bey, Ibrahim Mardam. Sukuk, an Emerging Asset Class.  
<http://www.iefpedia.com/english/wp-content/uploads/2009/10/SUKUK-an-Emerging-Asset-Class.pdf>

- 7 Bollerslev, T.  
Modelling the coherence in short-run nominal exchange rates: A multivariate generalized ARCH model  
(1990) *Review of Economics and Statistics*, 72 (3), pp. 498-505. Cited 1463 times.

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(2019) *International Journal of Emerging Markets*

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