Accepted Manuscript

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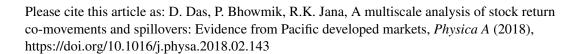
PII: S0378-4371(18)30228-0

DOI: https://doi.org/10.1016/j.physa.2018.02.143

Reference: PHYSA 19263

To appear in: Physica A

Received date: 21 September 2017 Revised date: 19 January 2018



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ACCEPTED MANUSCRIPT

A Multiscale Analysis of Stock Return Co-movements and Spillovers: Evidence from Pacific Developed Markets

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HIGHLIGHTS

- •Diversification benefits in Pacific developed markets are limited due to higher degrees of integration.
- Pacific developed markets co-move strongly during the periods of financial crisis.
- •Higher degree of volatility spillover is observed during financial crisis.

ARTICLE INFO	ABSTRACT
Article history:	In this paper we examine the stock market co-movement
Submitted 21 September 2017	and volatility spillover dynamics in the Pacific
Submitted in revised form 19 January	developed markets for a period spanning over January
2018	05, 2001 to January 09, 2018. We employ wavelet-based
Accepted 19 February 2018	techniques to study the multiscale co-movement
Keywords:	dynamics of stock returns. Additionally, we also study
Pacific developed markets	the subtleties of volatility spillover of returns among the
Wavelet	sample countries. We find that: (a) diversification
Contagion	benefits in these markets are limited due to higher
Market Integration	degrees of integration, (b) Pacific developed markets co-
Co-movement	move strongly during the periods of financial crisis (i.e.
	the contagion hypothesis) and (c) higher degree of
	volatility spills during financial crisis. We believe our
	study holds significance in the perspective of
	international portfolio diversification.

1. Introduction

This paper is a pursuit to: (a) validate co-movements among returns of the stock markets and (b) assess volatility spillovers at different time-scales with reference to recent time frame in the Pacific region. The objective of the paper expands to the study of benefits that may be achieved through portfolio diversification owing to the information of such co-movements and spillovers over different time horizons. Fragmentation of time into higher and lower frequencies enables speculation opportunities in between timescales. In

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