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Natural Hazards  
Volume 107, Issue 1, May 2021, Pages 873-887

## A preliminary studies to assess public knowledge of beach safety in east coast Malaysia (Article) [\(Open Access\)](#)

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### Abstract

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Rip currents are one of the coastal hazards that put Malaysian beachgoers in a risky position. Most of the drowning accidents that occur at beaches worldwide are closely associated with this phenomenon. Research on rip currents is needed to build an effective measuring tool to overcome these issues. However, to date, research on rip currents is mainly focused on its physical aspects, commonly concentrating on the processes that influence and relate to the rips' generation. As an effort to minimize the negative consequences exerted by the rips, there is an urgent need to enhance the rip-related research in the social sciences field. Comprehensive research that includes all fields might produce more beneficial and reliable information. Therefore, this study intends to examine the level of public understanding of rip currents and beach safety knowledge of the Teluk Cempedak Beach. A questionnaire comprising 5 sections and 31 questions was developed as the primary tool in this study. A total of 60 beachgoers have been surveyed for this preliminary study through a questionnaire to investigate their demographic profile, frequency of visiting the beach, swimming ability, and their knowledge of rip currents and beach safety. The results show that the beachgoers have poor knowledge of rip currents. Conversely, they are observed to have higher beach safety knowledge. Also, the findings help in filling the research gaps of this study in terms of the instrument used for the data collection procedure. Above all, an extension of this study may contribute to the development of beneficial tools in assessing public knowledge on beach safety and rip currents throughout Malaysian beaches. © 2021, The Author(s), under exclusive licence to Springer Nature B.V. part of Springer Nature.

### SciVal Topic Prominence

Topic: Rip Current | Surf Zone | Beaches

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### Author keywords

Beach safety Drowning Public knowledge Rip currents

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## Funding details

Funding sponsor	Funding number	Acronym
Ministry of Higher Education, Malaysia	FRGS17-042-0608	MOHE

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## Funding text

This work was funded by the Ministry of Higher Education (MOHE) of Malaysia under the Fundamental Research Grant Scheme (FRGS) No. FRGS17-042-0608.

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ISSN: 0921030X

Source Type: Journal

Original language: English

DOI: 10.1007/s11069-021-04613-z

Document Type: Article

Publisher: Springer Science and Business Media B.V.

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