

view all our sites ▾



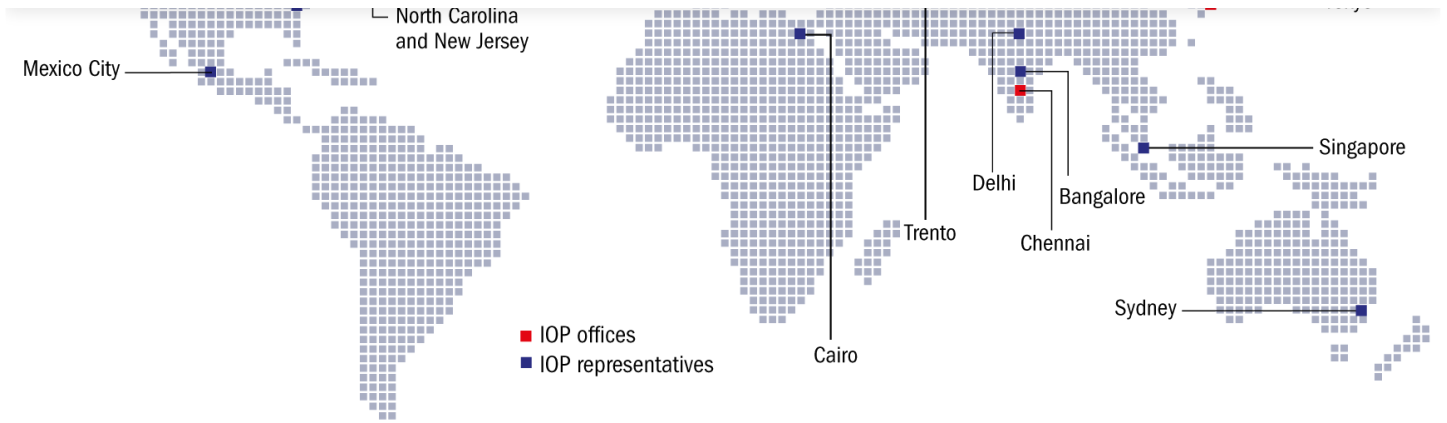
IOP Publishing

About us Publications ▾ Researchers Librarians ▾

Partners ▾ Open Physics News Contacts Jobs ▾



Bookstore



Who do you want to contact

Conference Series ▾

view all our sites ▾



IOP Publishing

- About us
- Publications ▾
- Researchers
- Librarians ▾
- Partners ▾
- Open Physics
- News
- Contacts
- Jobs ▾



Bookstore

---

## Anete Ashton



---

**COMMISSIONING EDITOR, CONFERENCE SERIES**

## Lucy Evans



---

**CONFERENCE SERIES COORDINATOR**

## Kayleigh Parsons



[view all our sites](#) ▼



IOP Publishing

[About us](#) [Publications](#) ▼ [Researchers](#) [Librarians](#) ▼

[Partners](#) ▼ [Open Physics](#) [News](#) [Contacts](#) [Jobs](#) ▼



[Bookstore](#)



**CONFERENCE SERIES COORDINATOR**

Reyes Velazquez



[view all our sites](#) ▼



IOP Publishing

[About us](#) [Publications](#) ▼ [Researchers](#) [Librarians](#) ▼

[Partners](#) ▼ [Open Physics](#) [News](#) [Contacts](#) [Jobs](#) ▼



[Bookstore](#)

**RESEARCHERS**

[Publishing Support](#)

[Author guidelines](#)

[Submit your paper](#)

[Checking the proofs of your journal article](#)

[Article structure](#)

[Editing services](#)

**LIBRARIANS**

[Ordering](#)

[Continued Access Rights Policy](#)

**PARTNERS**

[Partners](#)

[Work with us](#)

**OUR COMPANY**

[About us](#)

[News](#)

[Jobs](#)

[Contacts](#)

view all our sites ▾



IOP Publishing

About us Publications ▾ Researchers Librarians ▾

Partners ▾ Open Physics News Contacts Jobs ▾



Bookstore

Modern Slavery Policy

Gender Pay Gap Report

**SOCIAL**



**BACK TO TOP**

This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our Privacy and Cookies policy.



---

PAPER • OPEN ACCESS

# Larvae Density and Environmental Condition as Risk Factors to Dengue Incidence in Semarang City, Indonesia

M Martini<sup>1,2</sup>, J Annisa<sup>1</sup>, LD Saraswati<sup>1</sup>, R Hestningsih<sup>1</sup>, N Kusariana<sup>1</sup> and S Yuliawati<sup>1</sup>

Published under licence by IOP Publishing Ltd

IOP Conference Series: Earth and Environmental Science, Volume 380, International Conference on Ecology and Biodiversity across Time and Space 15–16 August 2018, Penang Island, Malaysia

**Citation** M Martini *et al* 2019 *IOP Conf. Ser.: Earth Environ. Sci.* **380** 012010

---

tinihen65@yahoo.co.id


<sup>1</sup> Epidemiology and Tropical Disease Department, Public Health Faculty Of Diponegoro University, Jl. Prof Sudarto Tembalang Semarang, Indonesia, 50275

<sup>2</sup> Magister Epidemiology, Pasca sarjana School, Imam Bardjo street, Semarang, Indonesia 50241

<https://doi.org/10.1088/1755-1315/380/1/012010>

[View PDF](#)

Buy this article in print

 Journal RSS

Sign up for new issue notifications

Create citation alert

[PDF](#)

[Help](#)

## Abstract

Dengue Hemorrhagic Fever (DHF) is a disease caused by a virus transmitted by a mosquito vector of *Aedes*. As Semarang city of Indonesia has dense population and is located in a low altitude area, Semarang is identified to be a high endemic area of DHF. The objective of this study was to describe the risk factors of DHF, specifically larva density and environmental condition, using spatial analysis. The descriptively observational research with cross sectional approach was used and samples were taken using proportional stratified random sampling technique in Tembalang sub-

district on 100 households. Data obtained through questionnaires, observations, and measurements were analyzed by spatial method. The result showed that the description of the risk factor was as follows: larva density (CI) was still above the national standard of Indonesia by 5%. The behavior of respondent of Semarang city belonged to the category of poor, and the majority of respondents were not routinely doing elimination of mosquito breeding sites.

Export citation and abstract

[BibTeX](#)

[RIS](#)



Content from this work may be used under the terms of the Creative Commons Attribution 3.0 licence. Any further distribution of this work must maintain attribution to the author(s) and the title of the work, journal citation and DOI.

[View PDF](#)

[PDF](#)

[Help](#)

[View PDF](#)

[PDF](#)

[Help](#)






Scimago Journal & Country Rank

Enter Journal Title, ISSN or Publisher Name

- Home
- Journal Rankings
- Country Rankings
- Viz Tools
- Help
- About Us

## IOP Conference Series: Earth and Environmental Science

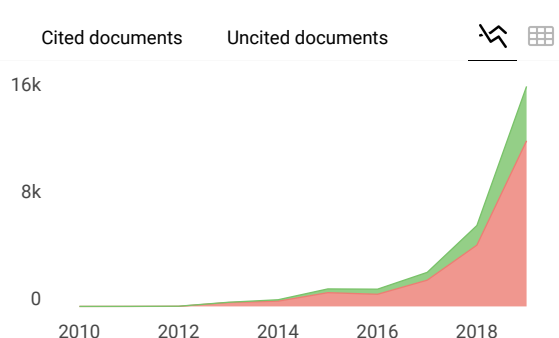
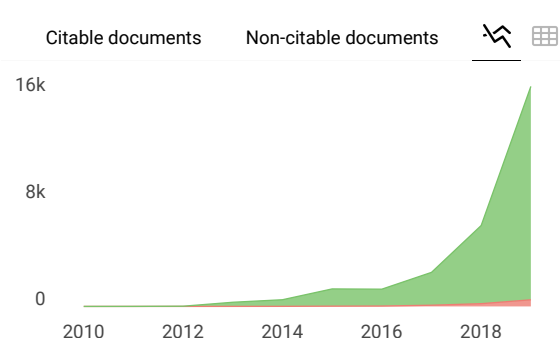
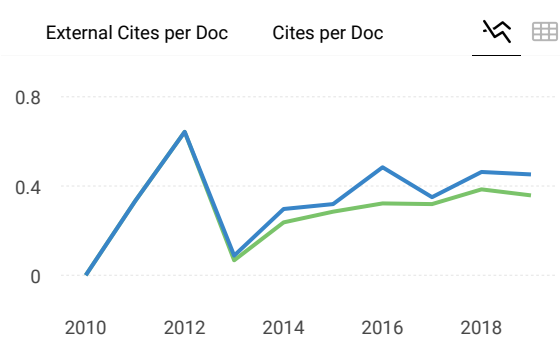
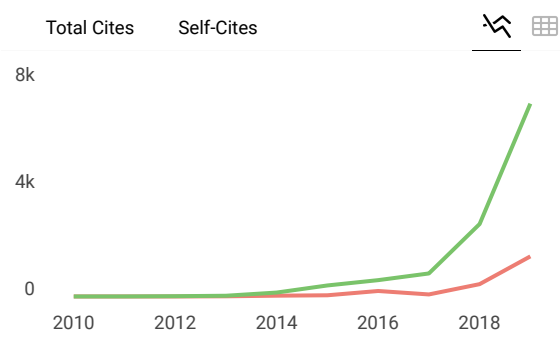
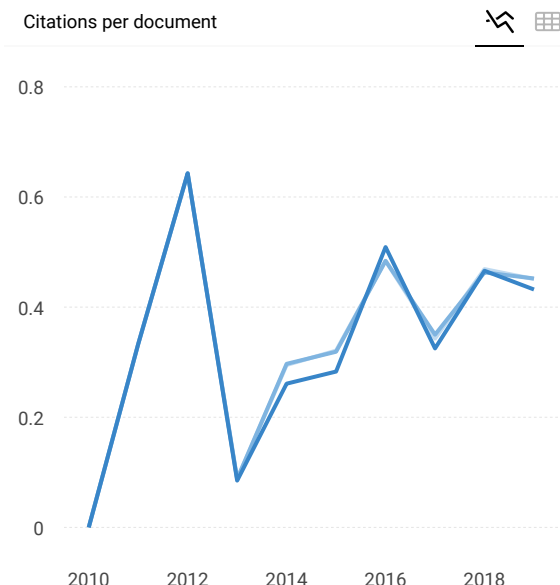
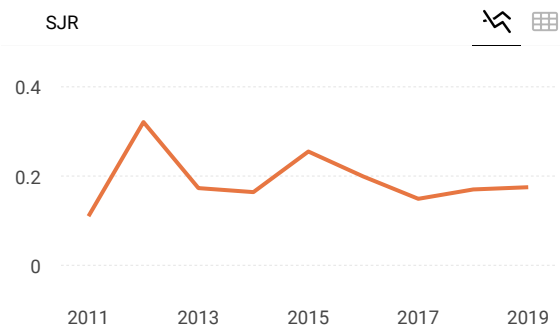
COUNTRY	SUBJECT AREA AND CATEGORY	PUBLISHER	H-INDEX
United Kingdom  Universities and research institutions in United Kingdom	Earth and Planetary Sciences Earth and Planetary Sciences (miscellaneous) Environmental Science Environmental Science (miscellaneous)	IOP Publishing Ltd.	<b>18</b>

PUBLICATION TYPE	ISSN	COVERAGE	INFORMATION
Conferences and Proceedings	17551315, 17551307	2010-2020	<a href="#">Homepage</a> <a href="#">How to publish in this journal</a> <a href="mailto:ees@iopublishing.org">ees@iopublishing.org</a>

**SCOPE**

The open access IOP Conference Series: Earth and Environmental Science (EES) provides a fast, versatile and cost-effective proceedings publication service.

 Join the conversation about this journal



**IOP Conference Series: Earth and Environmental...**

Not yet assigned quartile

**SJR 2019**  
0.18

powered by scimagojr.com

← Show this widget in your own website

Just copy the code below and paste within your html code:

```
<a href="https://www.scimaç"
```

Metrics based on Scopus® data as of April 2020



# Source details

## IOP Conference Series: Earth and Environmental Science

Scopus coverage years: from 2010 to Present

ISSN: 1755-1307 E-ISSN: 1755-1315

Subject area: Environmental Science: General Environmental Science

Earth and Planetary Sciences: General Earth and Planetary Sciences

CiteScore 2019

0.4



SJR 2019

0.175



SNIP 2019

0.514



View all documents >

Set document alert

Save to source list Source Homepage

CiteScore CiteScore rank & trend Scopus content coverage

### Improved CiteScore methodology

CiteScore 2019 counts the citations received in 2016-2019 to articles, reviews, conference papers, book chapters and data papers published in 2016-2019, and divides this by the number of publications published in 2016-2019. [Learn more >](#)

### CiteScore 2019

$$0.4 = \frac{11,544 \text{ Citations 2016 - 2019}}{32,872 \text{ Documents 2016 - 2019}}$$

Calculated on 06 May, 2020

### CiteScoreTracker 2020

$$0.5 = \frac{24,932 \text{ Citations to date}}{49,885 \text{ Documents to date}}$$

Last updated on 07 February, 2021 • Updated monthly

### CiteScore rank 2019

Category	Rank	Percentile
Environmental Science	#176/210	16th
General Environmental Science		
Earth and Planetary Sciences	#164/187	12th
General Earth and Planetary Sciences		

[View CiteScore methodology >](#) [CiteScore FAQ >](#) [Add CiteScore to your site &](#)

### About Scopus

- What is Scopus
- Content coverage
- Scopus blog
- Scopus API
- Privacy matters

### Language

- 日本語に切り替える
- 切换到简体中文
- 切换到繁體中文
- Русский язык

### Customer Service

- Help
- Contact us



This site uses cookies. By continuing to use this site you agree to our use of cookies. To find out more, see our [Privacy and Cookies policy](#).



## Table of contents

Volume 380

2019

◀ Previous issue    Next issue ▶

**International Conference on Ecology and Biodiversity across Time and Space 15–16 August 2018, Penang Island, Malaysia**

Accepted papers received: 18 October 2019

Published online: 23 December 2019

[Open all abstracts](#)

### Preface

**OPEN ACCESS** 011001

Preface

[+ Open abstract](#)    [View article](#)    [PDF](#)

**OPEN ACCESS** 011002

Peer review statement

[+ Open abstract](#)    [View article](#)    [PDF](#)

### Papers

**OPEN ACCESS** 012001

Climatological and land use evaluation to maintain water supply in Pulau reservoir, Bintan island - Indonesia

M. Fakhrudin, Luki Subehi and Hendro Wibowo

[+ Open abstract](#)    [View article](#)    [PDF](#)

**OPEN ACCESS** 012002

Dissolved oxygen and temperature stratification analysis for early warning system development in preventing mass mortality of fish in lake Maninjau, West Sumatera - Indonesia

M. Fakhrudin, Luki Subehi, Taofik Jasalesmana and Aan Dianto

[+ Open abstract](#)    [View article](#)    [PDF](#)

- 
- OPEN ACCESS** 012003  
Application of floating treatment wetlands in a highly eutrophic lake, Indonesia: a new tool for lake restoration and provision of microhabitat  
C Henny, R Kurniawan and Trisuryono  
[+](#) Open abstract [View article](#) [PDF](#)
- 
- OPEN ACCESS** 012004  
Invasive Aquatic Plant Species of Chenderoh Reservoir, Malaysia and Jatiluhur Reservoir, Indonesia  
S N Ismail, L Subehi, A Mansor and M Mashhor  
[+](#) Open abstract [View article](#) [PDF](#)
- 
- OPEN ACCESS** 012005  
The River Basin Spatial Informative Nesting (E-BASIN) framework as an alternative approach for flood disaster management  
M Y Izham, R Aznarahayu, M A Nurul Azni and M N Norashila  
[+](#) Open abstract [View article](#) [PDF](#)
- 
- OPEN ACCESS** 012006  
Water quality simulation for rehabilitation of a eutrophic lake in Selangor, Malaysia  
H L Koh, W K Tan, S Y Teh and C J Tay  
[+](#) Open abstract [View article](#) [PDF](#)
- 
- OPEN ACCESS** 012007  
Land use change and fragmentation in the protected areas of peninsular Malaysia: The cases of Klang Gate and Sungai Dusun wildlife reserves  
W H Lee, S A Abdullah and N H Razaai  
[+](#) Open abstract [View article](#) [PDF](#)
- 
- OPEN ACCESS** 012008  
Bacterial indicators reveal water quality status of Rangkui River, Bangka Island, Indonesia  
Miratul Maghfiroh, Heni Novianti, Lukman and Eddy Nurtjahya  
[+](#) Open abstract [View article](#) [PDF](#)
- 
- OPEN ACCESS** 012009  
Bifurcation analysis of the prey-predator models incorporating herd behaviours  
Z I A Manaf and M H Mohd  
[+](#) Open abstract [View article](#) [PDF](#)
- 
- OPEN ACCESS** 012010

## Larvae Density and Environmental Condition as Risk Factors to Dengue Incidence in Semarang City, Indonesia

M Martini, J Annisa, LD Saraswati, R Hestningsih, N Kusariana and S Yulawati

[+](#) Open abstract [View article](#) [PDF](#)

---

### OPEN ACCESS

012011

## Identification of critical erosion prone areas in Temengor Reservoir Basin using Universal Soil Loss Equation (USLE) and Geographic Information System (GIS)

E Mohammad Basri, O Mohamad Adam, S Y Teh and W O Wan Maznah

[+](#) Open abstract [View article](#) [PDF](#)

---

### OPEN ACCESS

012012

## Population structure and gonadal maturity stage of endemic and alien fish dominant species in Lake Matano, South Sulawesi

SH Nasution and R Dina

[+](#) Open abstract [View article](#) [PDF](#)

---

### OPEN ACCESS

012013

## Effects of asymmetrical biotic interactions on multispecies dynamics

J O Ojonubah and M H Mohd

[+](#) Open abstract [View article](#) [PDF](#)

---

### OPEN ACCESS

012014

## Conservation of Agricultural Soil Using Entomopathogenic Fungi: An Agent With Insecticides Degradation Potential

S Q Ong, H Ahmad, A H Ab Majid and Z Jaal

[+](#) Open abstract [View article](#) [PDF](#)

---

### OPEN ACCESS

012015

## Study on Heath Forest Species *Melaleuca cajuputi* as Potential Natural Herbicides Agent to Suppress Weed Growth in Landscape Management

Rashidi Othman, Wan Masyitah Wan Daud, Razanah Ramya, Nursyafica Nadia Johari and Zainul Mukrim Baharuddin

[+](#) Open abstract [View article](#) [PDF](#)

---

### OPEN ACCESS

012016

## Characterisation of allelochemical compounds signature in two mangrove forest species of *Rhizophora apiculata* and *Acrostichum aureum* and potential in suppressing weed growth

Rashidi Othman, Razanah Ramya, Norazian Mohd Hassan, Wan Masyitah Wan Daud and Nursyafica Nadia Johari

[+](#) Open abstract [View article](#) [PDF](#)

---

### OPEN ACCESS

012017

## Soil Water Analysis Tools (SWAT) hydrology modelling as a basis for spatial planning: a case study in Cimandiri Watershed, West Java Province

I Ridwansyah, M Yulianti and H Wibowo

[+ Open abstract](#) [View article](#) [PDF](#)

---

### OPEN ACCESS

012018

## Assessing phytoplankton distribution and water quality in constructed wetlands during dry and wet periods: A Case Study in USM Engineering Campus

S Shahrudin, NA Zakaria, Ab Ghani and WO Wan Maznah

[+ Open abstract](#) [View article](#) [PDF](#)

---

### OPEN ACCESS

012019

## Comparative limnology of natural and man-made tropical lakes

Z Sharip, FM Yusoff, J Jusoh and A Jamin

[+ Open abstract](#) [View article](#) [PDF](#)

---

### OPEN ACCESS

012020

## Phytoplankton composition and the occurrence of cyanobacterial bloom in Lake Maninjau, Indonesia

Sulastris, C Henny and A B Santoso

[+ Open abstract](#) [View article](#) [PDF](#)

---

### OPEN ACCESS

012021

## Bioaccumulation of Lead (Pb) in the macroalgae *Padina australis* Hauck in Makassar Marine Waters, South Sulawesi, Indonesia

Wahyu Supardi and Andhika Puspito Nugroho

[+ Open abstract](#) [View article](#) [PDF](#)

## JOURNAL LINKS

---

[Journal home](#)

---

[Information for organizers](#)

---

[Information for authors](#)

---

[Search for published proceedings](#)

---

[Contact us](#)

---

[Reprint services from Curran Associates](#)



