

**LEMBAR  
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW  
KARYA ILMIAH : Jurnal  
C.1.\_WIS**

Judul Jurnal Ilmiah (Artikel) : Comparative Analysis of Bacterial Communities Associated With Healthy and Diseased Corals in The Indonesian Sea

Jumlah Penulis : 8 orang

Status Pengusul : penulis Anggota

Identitas Jurnal Ilmiah : a. Nama Jurnal : Peer J  
b. Nomor ISSN : -  
c. Volume, nomor, bulan tahun : Vol. 7 (2019)  
d. Penerbit :  
e. DOI artikel (jika ada) : 10.7717/peerj.8137  
f. Alamat web jurnal :  
JURNAL : <https://www.ncbi.nlm.nih.gov/pmc/issues/326969/>  
ARTIKEL : <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6925950/>  
g. Terindeks di Scopus/Scimagojr/SJR=

Kategori Publikasi Jurnal Ilmiah (beri  pada kategori yang tepat) :  Jurnal Ilmiah Internasional  
 Jurnal Ilmiah Nasional Terakreditasi  
 Jurnal Ilmiah Nasional Tidak Terakreditasi

Hasil Penilaian Peer Review :

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah			Nilai Akhir Yang Diperoleh
	Internasional 40 <input type="checkbox"/>	Nasional Terakreditasi <input type="checkbox"/>	Nasional Tidak Terakreditasi <input type="checkbox"/>	
a. Kelengkapan unsur isi jurnal (10%)	4			3,9
b. Ruang lingkup dan kedalaman pembahasan (30%)	12			9,6
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	12			5,2
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	12			11,5
<b>Total = (100%)</b>	<b>40</b>			<b>30,2</b>
<b>Nilai Pengusul =</b>				<b><math>\Rightarrow 0,14 \times 30,2 = 12,08 / 7 = 1,73</math></b>

Catatan Penilaian artikel oleh Reviewer :

Artikel masuk ke dalam jurnal terindeks Scopus dg SJR 1.04 Hindeks 45. dengan kuartil Q1. Kelengkapan jurnal bagus dengan ruang lingkup dan kedalaman pembahasan cukup bagus dengan melibatkan ± 28 referensi dan pembahasannya. Kemutakhiran data dan informasi perlu diupdate. Kelengkapan unsur dan mutu terbitan bagus. Topik dan artikel sesuai dg kompetensi pengusul.

Σ Referensi : 57. (5th terakhir).

$$\text{Add b. } \frac{26}{57} \times 100\% = 45,6\% \Rightarrow \frac{24}{30} \times 12 = 9,6$$

$$\text{Add c. } \frac{14}{57} \times 100\% = 24,6\% \Rightarrow \frac{12}{30} \times 12 = 5,2$$

Semarang,  
Reviewer 1

Feb 2020



Prof. Ir. Tri Winarni Agustini, M.Sc., Ph.D  
NIP. 196508211990012001  
Unit kerja : FPIK Undip

**LEMBAR  
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW  
KARYA ILMIAH : JURNAL  
C.1. WIS**

Judul Jurnal Ilmiah (Artikel) : Comparative Analysis of Bacterial Communities Associated With Healthy and Diseased Corals in The Indonesian Sea

Jumlah Penulis : 8 orang

Status Pengusul : penulis Anggota

Identitas Jurnal Ilmiah : a. Nama Jurnal : Peer J  
b. Nomor ISSN : -  
c. Volume, nomor, bulan tahun : Vol. 7 (2019)  
d. Penerbit :  
e. DOI artikel (jika ada) : 10.7717/peerj.8137  
f. Alamat web jurnal :  
JURNAL : <https://www.ncbi.nlm.nih.gov/pmc/issues/326969/>  
ARTIKEL : <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6925950/>  
g. Terindeks di Scopus/Scimagojr/SJR=

Kategori Publikasi Jurnal Ilmiah (beri  pada kategori yang tepat) :  Jurnal Ilmiah Internasional  
 Jurnal Ilmiah Nasional Terakreditasi  
 Jurnal Ilmiah Nasional Tidak Terakreditasi

Hasil Penilaian Peer Review :

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah			Nilai Akhir Yang Diperoleh
	Internasional 40 <input type="checkbox"/>	Nasional Terakreditasi <input type="checkbox"/>	Nasional Tidak Terakreditasi <input type="checkbox"/>	
a. Kelengkapan unsur isi jurnal (10%)	4			3.8
b. Ruang lingkup dan kedalaman pembahasan (30%)	12			11.7
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	12			11.5
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	12			11.8
<b>Total = (100%)</b>	40			<b>38.8 x 40% = 15.52</b>
<b>Nilai Pengusul =</b>				<b>15.52</b>

Catatan Penilaian artikel oleh Reviewer :

- Artikel ini sesuai dengan bidang keilmuan dan terbit di jurnal terindeks scopus.
- Kelengkapan unsur isi jurnal lengkap dan sesuai dengan kaidah penulisan di jurnal terindeks.
- Ruang lingkup dan kedalaman pembahasan cukup baik dan komprehensif. G. & D. pustaka digunakan dan pembahasan dari aspek sistem penelitian cukup bagus. Memberikan kontribusi dan informasi baik mengenai keanekaragaman hayati karang.
- Pustaka relevan baik dalam jurnal dan penelitian dan (menunjang). Pustaka yg digunakan relatif mutakhir 59.65% ≤ 10th dan cukup banyak → 57 Pustaka.
- Kualitas penulisan baik dan lengkap.

Semarang, 11 FEB 2020,  
Reviewer 2

Prof. Dr. Ir. Slamet Budi Prayitno, M.Sc  
NIP. 195506281981031005  
Unit kerja : FPIK Undip



# Document details

< Back to results | 1 of 1

RIS export ▾ Download Print E-mail Save to PDF Save to list More... >

View at Publisher

PeerJ [Open Access](#)

Volume 2019, Issue 12, 2019, Article number e8137

## Comparative analysis of bacterial communities associated with healthy and diseased corals in the Indonesian sea (Article) [\(Open Access\)](#)

Mhuantong, W.<sup>a</sup>, Nuryadi, H.<sup>b</sup>, Trianto, A.<sup>b</sup>, Sabdono, A.<sup>b</sup>, Tangphatsornruang, S.<sup>c</sup>, Eurwilaichitr, L.<sup>a</sup>, Kanokratana, P.<sup>a</sup>, Champreda, V.<sup>a</sup>

Save all to author list

<sup>a</sup>Biorefinery and Bioproduct Technology Research Group, National Center for Genetic Engineering and Biotechnology, Pathum Thani, Thailand

<sup>b</sup>Faculty of Fisheries and Marine Science, Diponegoro University, Semarang, Indonesia

<sup>c</sup>National Omics Center, National Center for Genetic Engineering and Biotechnology, Pathum Thani, Thailand

### Abstract

▾ View references (57)

Coral reef ecosystems are impacted by climate change and human activities, such as increasing coastal development, overfishing, sewage and other pollutant discharge, and consequent eutrophication, which triggers increasing incidents of diseases and deterioration of corals worldwide. In this study, bacterial communities associated with four species of corals : *Acropora aspera*, *Acropora formosa*, *Cyphastrea* sp., and *Isopora* sp. in the healthy and disease stages with different diseases were compared using tagged 16S rRNA sequencing. In total, 59 bacterial phyla, 190 orders, and 307 genera were assigned in coral metagenomes where Proteobacteria and Firmicutes were predominated followed by Bacteroidetes together with Actinobacteria, Fusobacteria, and Lentisphaerae as minor taxa. Principal Coordinates Analysis (PCoA) showed separated clustering of bacterial diversity in healthy and infected groups for individual coral species. *Fusibacter* was found as the major bacterial genus across all corals . The lower number of *Fusibacter* was found in *A. aspera* infected with white band disease and *Isopora* sp. with white plaque disease, but marked increases of *Vibrio* and *Acrobacter*, respectively, were observed. This was in contrast to *A. formosa* infected by a black band and *Cyphastrea* sp. infected by yellow blotch diseases which showed an increasing abundance of *Fusibacter* but a decrease in WH1-8 bacteria. Overall, infection was shown to result in disturbance in the complexity and structure of the associated bacterial microbiomes which can be relevant to the pathogenicity of the microbes associated with infected corals . Copyright 2019 Mhuantong et al.

### SciVal Topic Prominence ⓘ

Topic: Anthozoa | Corals | Band disease

Prominence percentile: 97.426



### Author keywords

16S rRNA Bacterial diversity Coral Metagenome Next generation sequencing Pathogenicity

### Indexed keywords

EMTREE drug terms: RNA 16S

Metrics ⓘ View all metrics >



PlumX Metrics

Usage, Captures, Mentions, Social Media and Citations beyond Scopus.

Cited by 0 documents

Inform me when this document is cited in Scopus:

Set citation alert >

Set citation feed >

### Related documents

Comparing bacterial community composition between healthy and white plague-like disease states in *Orbicella annularis* using PhyloChip™ G3 microarrays

Kellogg, C.A. , Piceno, Y.M. , Tom, L.M. (2013) *PLoS ONE*

Major similarities in the bacterial communities associated with lesioned and healthy Fungiidae corals

Apprill, A. , Hughen, K. , Mincer, T. (2013) *Environmental Microbiology*

Caribbean corals house shared and host-specific microbial symbionts over time and space

Chu, N.D. , Vollmer, S.V. (2016) *Environmental Microbiology Reports*

View all related documents based on references

Find more related documents in Scopus based on:

Authors > Keywords >

- Acropora
- Acropora aspera
- Acropora formosa
- Actinobacteria
- Article
- bacterial microbiome
- controlled study
- coral reef
- DNA extraction
- Firmicutes
- Fusobacteria
- Indonesian
- metagenome
- microbial community
- microbial diversity
- nonhuman
- pathogenicity
- physical appearance
- Proteobacteria
- RNA sequence
- species difference

## Funding details

Funding sponsor	Funding number	Acronym
National Center for Genetic Engineering and Biotechnology		BIOTEC
National Science and Technology Development Agency		NSTDA

## Funding text

This project was financially supported by the National Center for Genetic Engineering and Biotechnology, National Science and Technology Development Agency, Thailand. The funders had no role in study design, data collection and analysis, decision to publish, or preparation of the manuscript.

ISSN: 21678359

Source Type: Journal

Original language: English

DOI: 10.7717/peerj.8137

Document Type: Article

Publisher: PeerJ Inc.

## References (57)

[View in search results format >](#)

All  RIS export  Print  E-mail  Save to PDF  Create bibliography

- 1 Blackall, L.L., Wilson, B., Van Oppen, M.J.H.  
**Coral-the world's most diverse symbiotic ecosystem** ([Open Access](#))

(2015) *Molecular Ecology*, 24 (21), pp. 5330-5347. Cited 57 times.  
<http://www.blackwellpublishing.com/journals/MEC>  
doi: 10.1111/mec.13400

[View at Publisher](#)

- 2 Bourne, D.G., Garren, M., Work, T.M., Rosenberg, E., Smith, G.W., Harvell, C.D.  
**Microbial disease and the coral holobiont**

(2009) *Trends in Microbiology*, 17 (12), pp. 554-562. Cited 222 times.  
doi: 10.1016/j.tim.2009.09.004

[View at Publisher](#)

- 3 Bourne, D.G., Munn, C.B.  
**Diversity of bacteria associated with the coral *Pocillopora damicornis* from the Great Barrier Reef**

(2005) *Environmental Microbiology*, 7 (8), pp. 1162-1174. Cited 231 times.  
doi: 10.1111/j.1462-2920.2005.00793.x

[View at Publisher](#)

- 4 Brodersen, K.E., Lichtenberg, M., Ralph, P.J., Kühl, M., Wangpraseurt, D.  
**Radiative energy budget reveals high photosynthetic efficiency in symbiont-bearing corals** ([Open Access](#))  
  
(2014) *Journal of the Royal Society Interface*, 11 (93), art. no. 20130997. Cited 27 times.  
<http://rsif.royalsocietypublishing.org/content/11/93/20130997.full.pdf+html>  
doi: 10.1098/rsif.2013.0997  
  
[View at Publisher](#)
- 
- 5 Burriesci, M.S., Raab, T.K., Pringle, J.R.  
**Evidence that glucose is the major transferred metabolite in dinoflagellate-cnidarian symbiosis** ([Open Access](#))  
  
(2012) *Journal of Experimental Biology*, 215 (19), pp. 3467-3477. Cited 75 times.  
<http://jeb.biologists.org/content/215/19/3467.full.pdf+html>  
doi: 10.1242/jeb.070946  
  
[View at Publisher](#)
- 
- 6 Caporaso, J.G., Kuczynski, J., Stombaugh, J., Bittinger, K., Bushman, F.D., Costello, E.K., Fierer, N., (...), Knight, R.  
**QIIME allows analysis of high-throughput community sequencing data**  
  
(2010) *Nature Methods*, 7 (5), pp. 335-336. Cited 14197 times.  
doi: 10.1038/nmeth.f.303  
  
[View at Publisher](#)
- 
- 7 Cárdenas, A., Rodríguez-R, L.M., Pizarro, V., Cadavid, L.F., Arévalo-Ferro, C.  
**Shifts in bacterial communities of two caribbean reef-building coral species affected by white plague disease** ([Open Access](#))  
  
(2012) *ISME Journal*, 6 (3), pp. 502-512. Cited 73 times.  
doi: 10.1038/ismej.2011.123  
  
[View at Publisher](#)
- 
- 8 Cervino, J.M., Hayes, R., Goreau, T.J., Smith, G.W.  
**Zooxanthellae regulation in yellow blotch/band and other coral diseases contrasted with temperature related bleaching: In situ destruction vs expulsion**  
  
(2004) *Symbiosis*, 37 (1-3), pp. 63-85. Cited 59 times.
- 
- 9 Cervino, J.M., Hayes, R.L., Polson, S.W., Polson, S.C., Goreau, T.J., Martinez, R.J., Smith, G.W.  
**Relationship of *Vibrio* species infection and elevated temperatures to yellow blotch/band disease in caribbean corals** ([Open Access](#))  
  
(2004) *Applied and Environmental Microbiology*, 70 (11), pp. 6855-6864. Cited 128 times.  
doi: 10.1128/AEM.70.11.6855-6864.2004  
  
[View at Publisher](#)
- 
- 10 Cervino, J.M., Thompson, F.L., Gomez-Gil, B., Lorence, E.A., Goreau, T.J., Hayes, R.L., Winiarski-Cervino, K.B., (...), Bartels, E.  
**The *Vibrio* core group induces yellow band disease in Caribbean and Indo-Pacific reef-building corals**  
  
(2008) *Journal of Applied Microbiology*, 105 (5), pp. 1658-1671. Cited 95 times.  
doi: 10.1111/j.1365-2672.2008.03871.x  
  
[View at Publisher](#)
- 
- 11 Cesar, H., Burke, L., Pet-Soede, L.  
(2003) *The Economics of Worldwide Coral Reef Degradation*. Cited 169 times.  
Cesar Environmental Economics Consulting CEEC

- 12 Cole, J.R., Wang, Q., Fish, J.A., Chai, B., McGarrell, D.M., Sun, Y., Brown, C.T., (...), Tiedje, J.M.  
**Ribosomal Database Project: Data and tools for high throughput rRNA analysis** ([Open Access](#))  
(2014) *Nucleic Acids Research*, 42 (D1), pp. D633-D642. Cited 1407 times.  
doi: 10.1093/nar/gkt1244  
[View at Publisher](#)
- 
- 13 Cuning, J.R., Thurmond, J.B., Smith, G.W., Weil, E., Ritchie, K.B.  
Proceedings of the 11th international coral reef symposium  
(2008) *A Survey of Vibrios Associated with Healthy and Yellow Band Diseased Montastraea Faveolata*, pp. 206-210.
- 
- 14 Daniels, C.A., Zeifman, A., Heym, K., Ritchie, K.B., Watson, C.A., Berzins, I., Breitbart, M.  
**Spatial heterogeneity of bacterial communities in the mucus of *Montastraea annularis*** ([Open Access](#))  
(2011) *Marine Ecology Progress Series*, 426, pp. 29-40. Cited 31 times.  
<http://www.int-res.com/articles/meps2011/426/m426p029.pdf>  
doi: 10.3354/meps09024  
[View at Publisher](#)
- 
- 15 Denner, E.B.M., Smith, G.W., Busse, H.-J., Schumann, P., Narzt, T., Polson, S.W., Lubitz, W., (...), Richardson, L.L.  
**Aurantimonas coralicida gen. nov., sp. nov., the causative agent of white plague type II on Caribbean scleractinian corals** ([Open Access](#))  
(2003) *International Journal of Systematic and Evolutionary Microbiology*, 53 (4), pp. 1115-1122. Cited 169 times.  
doi: 10.1099/ijs.0.02359-0  
[View at Publisher](#)
- 
- 16 Edgar, R.C.  
**Search and clustering orders of magnitude faster than BLAST** ([Open Access](#))  
(2010) *Bioinformatics*, 26 (19), art. no. btq461, pp. 2460-2461. Cited 8361 times.  
doi: 10.1093/bioinformatics/btq461  
[View at Publisher](#)
- 
- 17 Edgar, R.C., Haas, B.J., Clemente, J.C., Quince, C., Knight, R.  
**UCHIME improves sensitivity and speed of chimera detection** ([Open Access](#))  
(2011) *Bioinformatics*, 27 (16), pp. 2194-2200. Cited 5975 times.  
<http://bioinformatics.oxfordjournals.org/>  
doi: 10.1093/bioinformatics/btr381  
[View at Publisher](#)
- 
- 18 Frias-Lopez, J., Klaus, J.S., Bonheyo, G.T., Fouke, B.W.  
**Bacterial community associated with black band disease in corals** ([Open Access](#))  
(2004) *Applied and Environmental Microbiology*, 70 (10), pp. 5955-5962. Cited 98 times.  
doi: 10.1128/AEM.70.10.5955-5962.2004  
[View at Publisher](#)

- 19 Gignoux-Wolfsohn, S.A., Vollmer, S.V.  
**Identification of candidate coral pathogens on white band disease-infected staghorn coral** ([Open Access](#))  
  
(2015) *PLoS ONE*, 10 (8), art. no. e0134416. Cited 20 times.  
<http://www.plosone.org/article/fetchObject.action?uri=info:doi/10.1371/journal.pone.0134416&representation=PDF>  
doi: 10.1371/journal.pone.0134416  
  
[View at Publisher](#)
- 
- 20 Gray, M.A., Stone, R.P., Mclaughlin, M.R., Kellogg, C.A.  
**Microbial consortia of gorgonian corals from the Aleutian islands** ([Open Access](#))  
  
(2011) *FEMS Microbiology Ecology*, 76 (1), pp. 109-120. Cited 35 times.  
doi: 10.1111/j.1574-6941.2010.01033.x  
  
[View at Publisher](#)
- 
- 21 Coral disease, environmental drivers, and the balance between coral and microbial associates  
  
(2007) *Oceanography*, 20 (SPL.ISS. 1), pp. 172-195. Cited 279 times.  
[http://www.tos.org/oceanography/archive/20-1\\_coral\\_disease.pdf](http://www.tos.org/oceanography/archive/20-1_coral_disease.pdf)
- 
- 22 Hughes, T.P., Baird, A.H., Bellwood, D.R., Card, M., Connolly, S.R., Folke, C., Grosberg, R., (...), Roughgarden, J.  
**Climate change, human impacts, and the resilience of coral reefs**  
  
(2003) *Science*, 301 (5635), pp. 929-933. Cited 2300 times.  
doi: 10.1126/science.1085046  
  
[View at Publisher](#)
- 
- 23 Kanokratana, P., Chanapan, S., Pootanakit, K., Eurwilaichitr, L.  
**Diversity and abundance of Bacteria and Archaea in the Bor Khlueng Hot Spring in Thailand**  
  
(2004) *Journal of Basic Microbiology*, 44 (6), pp. 430-444. Cited 103 times.  
doi: 10.1002/jobm.200410388  
  
[View at Publisher](#)
- 
- 24 Kellogg, C.A., Piceno, Y.M., Tom, L.M., DeSantis, T.Z., Gray, M.A., Zawada, D.G., Andersen, G.L.  
**Comparing bacterial community composition between healthy and white plague-like disease states in *Orbicella annularis* using PhyloChip™ G3 microarrays** ([Open Access](#))  
  
(2013) *PLoS ONE*, 8 (11), art. no. e79801. Cited 18 times.  
<http://www.plosone.org/article/fetchObject.action?uri=info%3Adoi%2F10.1371%2Fjournal.pone.0079801&representation=PDF>  
doi: 10.1371/journal.pone.0079801  
  
[View at Publisher](#)
- 
- 25 Kline, D.I., Vollmer, S.V.  
**White band disease (type I) of endangered caribbean acroporid corals is caused by pathogenic bacteria** ([Open Access](#))  
  
(2011) *Scientific Reports*, 1, art. no. 7. Cited 29 times.  
doi: 10.1038/srep00007  
  
[View at Publisher](#)
-

- 26 Lajeunesse, T.C., Parkinson, J.E., Gabrielson, P.W., Jeong, H.J., Reimer, J.D., Voolstra, C.R., Santos, S.R.  
**Systematic Revision of Symbiodiniaceae Highlights the Antiquity and Diversity of Coral Endosymbionts** ([Open Access](#))  
(2018) *Current Biology*, 28 (16), pp. 2570-2580.e6. Cited 186 times.  
<http://www.elsevier.com/journals/current-biology/0960-9822>  
doi: 10.1016/j.cub.2018.07.008  
[View at Publisher](#)
- 
- 27 Lozupone, C., Lladser, M.E., Knights, D., Stombaugh, J., Knight, R.  
**UniFrac: An effective distance metric for microbial community comparison** ([Open Access](#))  
(2011) *ISME Journal*, 5 (2), pp. 169-172. Cited 844 times.  
doi: 10.1038/ismej.2010.133  
[View at Publisher](#)
- 
- 28 Martin, S.W., Meek, A.H., Willeberg, P.  
(1987) *Veterinary Epidemiology Principles and Methods*. Cited 789 times.  
Iowa State University Press
- 
- 29 McDonald, D., Price, M.N., Goodrich, J., Nawrocki, E.P., Desantis, T.Z., Probst, A., Andersen, G.L., (...), Hugenholtz, P.  
**An improved Greengenes taxonomy with explicit ranks for ecological and evolutionary analyses of bacteria and archaea** ([Open Access](#))  
(2012) *ISME Journal*, 6 (3), pp. 610-618. Cited 2045 times.  
doi: 10.1038/ismej.2011.139  
[View at Publisher](#)
- 
- 30 Meyer, J.L., Gunasekera, S.P., Scott, R.M., Paul, V.J., Teplitski, M.  
**Microbiome shifts and the inhibition of quorum sensing by Black Band Disease cyanobacteria** ([Open Access](#))  
(2016) *ISME Journal*, 10 (5), pp. 1204-1216. Cited 30 times.  
[http://www.nature.com/ismej/marketing/aims\\_scope.html](http://www.nature.com/ismej/marketing/aims_scope.html)  
doi: 10.1038/ismej.2015.184  
[View at Publisher](#)
- 
- 31 Meyer, J.L., Paul, V.J., Raymundo, L.J., Teplitski, M.  
**Comparative metagenomics of the polymicrobial black band disease of corals** ([Open Access](#))  
(2017) *Frontiers in Microbiology*, 8 (APR), art. no. 618. Cited 9 times.  
<http://journal.frontiersin.org/article/10.3389/fmicb.2017.00618/full>  
doi: 10.3389/fmicb.2017.00618  
[View at Publisher](#)
- 
- 32 Meyer, M., Stenzel, U., Hofreiter, M.  
**Parallel tagged sequencing on the 454 platform**  
(2008) *Nature Protocols*, 3 (2), pp. 267-278. Cited 251 times.  
doi: 10.1038/nprot.2007.520  
[View at Publisher](#)
-



- 33 Miller, A.W., Richardson, L.L.  
**A meta-analysis of 16S rRNA gene clone libraries from the polymicrobial black band disease of corals** ([Open Access](#))  
  
(2011) *FEMS Microbiology Ecology*, 75 (2), pp. 231-241. Cited 43 times.  
doi: 10.1111/j.1574-6941.2010.00991.x  
  
[View at Publisher](#)
- 
- 34 Mouchka, M.E., Hewson, I., Harvell, C.D.  
**Coral-associated bacterial assemblages: Current knowledge and the potential for climate-driven impacts** ([Open Access](#))  
  
(2010) *Integrative and Comparative Biology*, 50 (4), pp. 662-674. Cited 140 times.  
doi: 10.1093/icb/icq061  
  
[View at Publisher](#)
- 
- 35 Nithyanand, P., Pandian, S.K.  
**Phylogenetic characterization of culturable bacterial diversity associated with the mucus and tissue of the coral *Acropora digitifera* from the Gulf of Mannar** ([Open Access](#))  
  
(2009) *FEMS Microbiology Ecology*, 69 (3), pp. 384-394. Cited 63 times.  
doi: 10.1111/j.1574-6941.2009.00723.x  
  
[View at Publisher](#)
- 
- 36 Nübel, U., Garcia-Pichel, F., Muyzer, G.  
**PCR primers to amplify 16S rRNA genes from cyanobacteria**  
  
(1997) *Applied and Environmental Microbiology*, 63 (8), pp. 3327-3332. Cited 917 times.  
  
[View at Publisher](#)
- 
- 37 Pantos, O., Bythell, J.C.  
**Bacterial community structure associated with white band disease in the elkhorn coral *Acropora palmata* determined using culture-independent 16S rRNA techniques** ([Open Access](#))  
  
(2006) *Diseases of Aquatic Organisms*, 69 (1), pp. 79-88. Cited 70 times.  
<http://www.int-res.com/journals/dao/dao-home/>  
doi: 10.3354/dao069079  
  
[View at Publisher](#)
- 
- 38 Parks, D.H., Tyson, G.W., Hugenholtz, P., Beiko, R.G.  
**STAMP: Statistical analysis of taxonomic and functional profiles** ([Open Access](#))  
  
(2014) *Bioinformatics*, 30 (21), pp. 3123-3124. Cited 844 times.  
<http://bioinformatics.oxfordjournals.org/>  
doi: 10.1093/bioinformatics/btu494  
  
[View at Publisher](#)
- 
- 39 Pootakham, W., Mhuantong, W., Putchim, L., Yoocha, T., Sonthirod, C., Kongkachana, W., Sangsrakru, D., (...), Tangphatsornruang, S.  
**Dynamics of coral-associated microbiomes during a thermal bleaching event** ([Open Access](#))  
  
(2018) *MicrobiologyOpen*, 7 (5), art. no. e00604. Cited 8 times.  
[http://onlineibrary.wiley.com/journal/10.1002/\(ISSN\)2045-8827](http://onlineibrary.wiley.com/journal/10.1002/(ISSN)2045-8827)  
doi: 10.1002/mbo3.604  
  
[View at Publisher](#)
-

- 40 Radjasa, O.K., Vaske, Y.M., Navarro, G., Vervoort, H.C., Tenney, K., Linington, R.G., Crews, P.  
**Highlights of marine invertebrate-derived biosynthetic products: Their biomedical potential and possible production by microbial associates**  
(2011) *Bioorganic and Medicinal Chemistry*, 19 (22), pp. 6658-6674. Cited 74 times.  
doi: 10.1016/j.bmc.2011.07.017  
[View at Publisher](#)
- 
- 41 Roder, C., Arif, C., Bayer, T., Aranda, M., Daniels, C., Shibl, A., Chavanich, S., (...), Voolstra, C.R.  
**Bacterial profiling of White Plague Disease in a comparative coral species framework**  
([Open Access](#))  
(2014) *ISME Journal*, 8 (1), pp. 31-39. Cited 63 times.  
doi: 10.1038/ismej.2013.127  
[View at Publisher](#)
- 
- 42 Rosenberg, E., Ben-Haim, Y.  
**Microbial diseases of corals and global warming**  
(2002) *Environmental Microbiology*, 4 (6), pp. 318-326. Cited 229 times.  
doi: 10.1046/j.1462-2920.2002.00302.x  
[View at Publisher](#)
- 
- 43 Rosenberg, E., Koren, O., Reshef, L., Efrony, R., Zilber-Rosenberg, I.  
**The role of microorganisms in coral health, disease and evolution**  
(2007) *Nature Reviews Microbiology*, 5 (5), pp. 355-362. Cited 674 times.  
doi: 10.1038/nrmicro1635  
[View at Publisher](#)
- 
- 44 Sato, Y., Ling, E.Y.S., Turaev, D., Laffy, P., Weynberg, K.D., Rattei, T., Willis, B.L., (...), Bourne, D.G.  
**Unraveling the microbial processes of black band disease in corals through integrated genomics** ([Open Access](#))  
(2017) *Scientific Reports*, 7, art. no. 40455. Cited 10 times.  
[www.nature.com/srep/index.html](http://www.nature.com/srep/index.html)  
doi: 10.1038/srep40455  
[View at Publisher](#)
- 
- 45 Schloss, P.D., Handelsman, J.  
**Metagenomics for studying unculturable microorganisms: Cutting the Gordian knot**  
([Open Access](#))  
(2005) *Genome Biology*, 6 (8), art. no. 229. Cited 224 times.  
doi: 10.1186/gb-2005-6-8-229  
[View at Publisher](#)
- 
- 46 Sere, M., Wilkinson, D.A., Schleyer, M.H., Chabanet, P., Quod, J.P., Tortosa, P.  
**Characterisation of an atypical manifestation of black band disease on porites lutea in the western indian ocean**  
(2016) *PeerJ*, 4, p. e2073. Cited 2 times.
- 
- 47 Sheridan, C., Kramarsky-Winter, E., Sweet, M., Kushmaro, A., Leal, M.C.  
**Diseases in coral aquaculture: Causes, implications and preventions**  
(2013) *Aquaculture*, 396-399, pp. 124-135. Cited 35 times.  
doi: 10.1016/j.aquaculture.2013.02.037  
[View at Publisher](#)
-

- 48 Sokolow, S.  
Effects of a changing climate on the dynamics of coral infectious disease: A review of the evidence ([Open Access](#))  
  
(2009) *Diseases of Aquatic Organisms*, 87 (1-2), pp. 5-18. Cited 61 times.  
[http://www.int-res.com/articles/dao\\_oa/d087p005.pdf](http://www.int-res.com/articles/dao_oa/d087p005.pdf)  
doi: 10.3354/dao02099  
  
[View at Publisher](#)
- 
- 49 Sunagawa, S., Desantis, T.Z., Piceno, Y.M., Brodie, E.L., Desalvo, M.K., Voolstra, C.R., Weil, E., (...), Medina, M.  
Bacterial diversity and white Plague disease-associated community changes in the caribbean coral *montastraea faveolata* ([Open Access](#))  
  
(2009) *ISME Journal*, 3 (5), pp. 512-521. Cited 216 times.  
doi: 10.1038/ismej.2008.131  
  
[View at Publisher](#)
- 
- 50 Sunagawa, S., Woodley, C.M., Medina, M.  
Threatened corals provide underexplored microbial habitats ([Open Access](#))  
  
(2010) *PLoS ONE*, 5 (3), art. no. e9554. Cited 176 times.  
<http://www.plosone.org/article/fetchObjectAttachment.action?uri=info%3Adoi%2F10.1371%2Fjournal.pone.0009554&representation=PDF>  
doi: 10.1371/journal.pone.0009554  
  
[View at Publisher](#)
- 
- 51 Sweet, M.J., Croquer, A., Bythell, J.C.  
Experimental antibiotic treatment identifies potential pathogens of white band disease in the endangered Caribbean coral *Acropora cervicornis* ([Open Access](#))  
  
(2014) *Proceedings of the Royal Society B: Biological Sciences*, 281 (1788), art. no. 20140094. Cited 32 times.  
<http://rspb.royalsocietypublishing.org/content/281/1788/20140094.full.pdf>  
doi: 10.1098/rspb.2014.0094  
  
[View at Publisher](#)
- 
- 52 Wegley, L., Edwards, R., Rodriguez-Brito, B., Liu, H., Rohwer, F.  
Metagenomic analysis of the microbial community associated with the coral *Porites astreoides*  
  
(2007) *Environmental Microbiology*, 9 (11), pp. 2707-2719. Cited 301 times.  
doi: 10.1111/j.1462-2920.2007.01383.x  
  
[View at Publisher](#)
- 
- 53 Weil, E., Smith, G., Gil-Agudelo, D.L.  
Status and progress in coral reef disease research  
  
(2006) *Diseases of Aquatic Organisms*, 69 (1), pp. 1-7. Cited 168 times.  
  
[View at Publisher](#)
- 
- 54 White, J.R., Nagarajan, N., Pop, M.  
Statistical Methods for Detecting Differentially Abundant Features in Clinical Metagenomic Samples ([Open Access](#))  
  
(2009) *PLoS Computational Biology*, 5 (4). Cited 700 times.  
<http://www.ploscompbiol.org/article/fetchObjectAttachment.action?uri=info%3Adoi%2F10.1371%2Fjournal.pcbi.1000352&representation=PDF>  
doi: 10.1371/journal.pcbi.1000352  
  
[View at Publisher](#)
-

□ 55 Wilkinson, C.  
(2008) *Status of Coral Reefs of the World: 2008*. Cited 1236 times.  
Townsville, Australia: Global Coral Reef Monitoring Network and Reef and Rainforest Research Centre

□ 56 Woo, S., Yang, S.-H., Chen, H.-J., Tseng, Y.-F., Hwang, S.-J., De Palmas, S., Denis, V., (...), Tang, S.-L.  
**Geographical variations in bacterial communities associated with soft coral *Scleronephthya gracillimum*** ([Open Access](#))

(2017) *PLoS ONE*, 12 (8), art. no. e0183663.  
<http://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0183663&type=printable>  
doi: 10.1371/journal.pone.0183663

[View at Publisher](#)

□ 57 Zhou, J., Bruns, M.A., Tiedje, J.M.  
**DNA recovery from soils of diverse composition**

(1996) *Applied and Environmental Microbiology*, 62 (2), pp. 316-322. Cited 2166 times.

[View at Publisher](#)

🔍 Kanokratana, P.; Biorefinery and Bioproduct Technology Research Group, National Center for Genetic Engineering and Biotechnology, Pathum Thani, Thailand; email:pattanopk@biotec.or.th

© Copyright 2020 Elsevier B.V., All rights reserved.

< Back to results | 1 of 1

^ Top of page

## 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](#)  
[切换到繁体中文](#)  
[Русский язык](#)

## Customer Service

[Help](#)  
[Contact us](#)

ELSEVIER

[Terms and conditions](#) ↗ [Privacy policy](#) ↗

Copyright © Elsevier B.V. All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the use of cookies.

RELX

# Source details

## PeerJ

Open Access ⓘ

Scopus coverage years: from 2013 to 2019

Publisher: PeerJ

ISSN: 2167-8359

Subject area: Agricultural and Biological Sciences: General Agricultural and Biological Sciences  
Biochemistry, Genetics and Molecular Biology: General Biochemistry, Genetics and Molecular Biology  
Neuroscience: General Neuroscience

CiteScore 2018

**2.50**

ⓘ

Add CiteScore to your site

SJR 2018

**1.037**

ⓘ

SNIP 2018

**0.920**

ⓘ

[View all documents >](#)

[Set document alert](#)

[Save to source list](#) [Journal Homepage](#)

[CiteScore](#) [CiteScore rank & trend](#) [CiteScore presets](#) [Scopus content coverage](#)

CiteScore 2018

Calculated using data from 30 April, 2019

CiteScore rank ⓘ

$$2.50 = \frac{\text{Citation Count 2018}}{\text{Documents 2015 - 2017}^*} = \frac{8,760 \text{ Citations} >}{3,509 \text{ Documents} >}$$

\*CiteScore includes all available document types

[View CiteScore methodology >](#)

[CiteScore FAQ >](#)

Category	Rank	Percentile
Agricultural and Biological Sciences	#25/185	86th
General Agricultural and Biological Sciences		
Biochemistry, Genetics and Molecular Biology	#55/189	71st
General Biochemistry		

CiteScoreTracker 2019 ⓘ

Last updated on 08 January, 2020  
Updated monthly

$$2.67 = \frac{\text{Citation Count 2019}}{\text{Documents 2016 - 2018}} = \frac{12,142 \text{ Citations to date} >}{4,541 \text{ Documents to date} >}$$

[View CiteScore trends >](#)

Metrics displaying this icon are compiled according to Snowball Metrics ↗, a collaboration between industry and academia.

### 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](#)