

MBC2019-Special Issue Articles Available Online
(<https://link.springer.com/journal/10126/volumes-and-issues/22-6>)

1. MBC2019: Marine Biotechnology Conference 2019

Haruko Takeyama, Hiroshi Saito & Yohei Nishikawa

Mar Biotechnol 22, 725-726 (2020). <https://doi.org/10.1007/s10126-020-10009-0>

Published: 26 November 2020

2. Responses of Intertidal Bacterial Biofilm Communities to Increasing $p\text{CO}_2$.

Dorsaf Kerfahi, Ben P. Harvey, Sylvain Agostini, Koetsu Kon, Ruiping Huang, Jonathan M. Adams & Jason M. Hall-Spencer

Mar Biotechnol 22, 727-738 (2020). <https://doi.org/10.1007/s10126-020-09958-3>

Received: 02 October 2019/Accepted: 21 February 2020/Published: 17 March 2020

Keywords: Bacteria, Biodiversity, Ocean acidification, Rocky shore ecology

3. Identification of the Domains Involved in Promotion of Silica Formation in Glassin, a Protein Occluded in Hexactinellid Sponge Biosilica, for Development of a Tag for Purification and Immobilization of Recombinant Proteins.

Michika Nishi, Hiroki Kobayashi, Taro Amano, Yuto Sakate, Tomohiro Bito, Jiro Arima & Katsuhiko Shimizu

Mar Biotechnol 22, 739-747 (2020). <https://doi.org/10.1007/s10126-020-09967-2>

Received: 03 February 2020/Accepted: 26 March 2020/Published: 14 April 2020

Keywords: Biosilica, Porifera, Immobilization, Protein purification, Histidine, Metal affinity

4. Transcriptome Analyses of Immune System Behaviors in Primary Polyp of Coral *Acropora digitifera* Exposed to the Bacterial Pathogen *Vibrio coralliilyticus* under Thermal Loading

Toshiyuki Takagi, Yuki Yoshioka, Yuna Zayasu, Noriyuki Satoh & Chuya Shinzato

Mar Biotechnol 22, 748-759 (2020). <https://doi.org/10.1007/s10126-020-09984-1>

Received: 02 April 2020/Accepted: 06 July 2020/Published: 21 July 2020

Keywords: Coral, *Vibrio coralliilyticus*, Thermal stress, Innate immunity, Transcriptome analysis, Immunosuppression

5. Genomic and Transcriptomic Analyses of Bioluminescence Genes in the Enope Squid *Watasenia scintillans*

Masa-aki Yoshida, Junichi Imoto, Yuri Kawai, Satomi Funahashi, Ryuhei Minei, Yuki Akizuki, Atsushi Ogura, Kazuhiko Nakabayashi, Kei Yura & Kazuho Ikeo

Mar Biotechnol 22, 760-771 (2020). <https://doi.org/10.1007/s10126-020-10001-8>
Received: 08 April 2020/Accepted: 28 September 2020/Published: 24 October 2020
Keywords: Firefly squid, Cephalopod, RNA editing, 3D modelling, Repetitive elements

6. Identification of Functional SSR Markers in Freshwater Ornamental Shrimps *Neocaridina denticulata* Using Transcriptome Sequencing

Chang-Wen Huang, Pei-Yun Chu, Yu-Fang Wu, Wei-Ren Chan & Yeh-Hao Wang
Mar Biotechnol 22, 772-785 (2020). <https://doi.org/10.1007/s10126-020-09979-y>
Received: 03 January 2020/Accepted: 18 May 2020/Published: 11 June 2020
Keywords: Freshwater ornamental shrimp, Identification, Color traits, DNA molecular markers

7. Atlantic Salmon (*Salmo salar* L., 1758) Gut Microbiota Profile Correlates with Flesh Pigmentation: Cause or Effect?

Chan D. H. Nguyen, Gianluca Amoroso, Tomer Ventura, Jeremiah J. Minich & Abigail Elizur
Mar Biotechnol 22, 786-804 (2020). <https://doi.org/10.1007/s10126-019-09939-1>
Received: 20 September 2019/Accepted: 22 December 2019/Published: 15 January 2020
Keywords: Atlantic salmon, Microbiota, Flesh color, Pigmentation, Carotenoids

8. Taxonomic Distribution of Tetrodotoxin in Acotylean Flatworms (Polycladida: Platyhelminthes).

Maho Kashitani, Taiki Okabe, Hikaru Oyama, Kaede Noguchi, Haruka Yamazaki, Rei Suo, Tetsushi Mori, Haruo Sugita & Shiro Itoi
Mar Biotechnol 22, 805-811 (2020). <https://doi.org/10.1007/s10126-020-09968-1>
Received: 29 December 2019/Accepted: 30 March 2020/Published: 15 May 2020
Keywords: Acotylea, Flatworm, Planocera, Polycladida, 28S rRNA, Tetrodotoxin (TTX)

9. Genetic and Morphological Characteristics in the Local Population of the Landlocked Salmon *Oncorhynchus masou* Originally Distributed in Kanagawa Prefecture, Japan

Taiki Okabe, Naoyuki Suguro, Tomoko Koito, Kento Endo, Haruo Sugita & Shiro Itoi
Mar Biotechnol 22, 812-823 (2020). <https://doi.org/10.1007/s10126-020-09975-2>
Received: 30 December 2019/Accepted: 29 April 2020/Published: 03 June 2020
Keywords: Distribution boundary, Indigenous population, Mitochondrial DNA, *Oncorhynchus masou*, Salmonid fish

10. Characterization of Macroscopic Colony-Forming Filamentous Cyanobacteria from Okinawan Coasts as Potential Sources of Bioactive Compounds

Handung Nuryadi, Shimpei Sumimoto, Toshiaki Teruya, Kiyotake Suenaga & Shoichiro Suda
Mar Biotechnol 22, 824-835 (2020). <https://doi.org/10.1007/s10126-020-10010-7>
Received: 27 March 2020/Accepted: 12 November 2020/Published: 26 November 2020

Keywords: Marine macroscopic colony-forming filamentous (MMCFF) cyanobacteria, Morphological characterization, 16S rRNA phylogeny, Cytotoxic activity

11. Comparison of Areal Productivity of *Nannochloropsis oceanica* Between Lab-Scale and Industrial-Scale Raceway Pond. [*Short Communication*]

Takeshi Saito, Takahiro Ichihara, Hidetoshi Inoue, Takafumi Uematsu, Saki Hamada, Takaaki Watanabe, Yasushi Takimura & Jason Webb

Mar Biotechnol 22, 836-841 (2020). <https://doi.org/10.1007/s10126-020-09990-3>

Received: 30 December 2019/Accepted: 19 August 2020/Published: 28 August 2020

Keywords: Microalgae production, *Nannochloropsis*, Open raceway pond, Sequential batch culture