

MBC2019-Special Issue Articles Available Online
-Online First Articles in Marine Biotechnology-
(<https://link.springer.com/journal/10126/onlineFirst>)

1. **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 (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

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 (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 (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. **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 (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)

5. **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 (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

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 (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. 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 (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

8. 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 (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

9. 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 (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