

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