

**Articles by JSMB Members in MARINE BIOTECHNOLOGY (Original Articles)**

(Updated on 27 July 2023)

**Volume 25, Issue 3 (June), 2023****2. scRNA-seq Analysis of Hemocytes of Penaeid Shrimp Under Virus Infection**Keiichiro Koiwai, Hidehiro Kondo & Ikuo Hirono*Mar Biotechnol* 25, 488–502 (2023) <https://doi.org/10.1007/s10126-023-10221-8>

Received:16 January 2023/Accepted: 02 June 2023/Published: 16 June 2023

**Volume 25, Issue 2 (April), 2023****1. Different Responses of Photosynthesis to Nitrogen Starvation Between Highly Oil-Accumulative Diatoms, *Fistulifera solaris* and *Mayamaea* sp. JPCC CTDA0820**Mana Nakayasu, Momoka Amano, Tsuyoshi Tanaka, Ginga Shimakawa & Yusuke Matsuda*Mar Biotechnol* 25, 272–280 (2023) <https://doi.org/10.1007/s10126-023-10203-w>

Received:22 November 2022/Accepted: 19 February 2023/Published: 01 March 2023

**Volume 25, Issue 1 (February), 2023**

No articles by the Society members

**Volume 24, Issue 6 (December), 2022****11. Changes in Tissue Distribution of Tetrodotoxin and Its Analogues in Association with Maturation in the Toxic Flatworm, *Planocera multitentaculata***

Hikaru Oyama, Masaaki Ito, Rei Suo, Naoko Goto-Inoue, Mizuki Morisasa, Tsukasa Mori, Haruo Sugita, Tetsushi Mori, Ryota Nakahigashi, Masaatsu Adachi, Toshio Nishikawa & Shiro Itoi

*Mar Biotechnol* 24, 1158–1167 (2022) <https://doi.org/10.1007/s10126-022-10179-z>

Received: 06 September 2022/Accepted: 20 October 2022/Published: 02 November 2022

**10. The Effect of Co-Culture of Two Coral Species on Their Bacterial Composition Under Captive Environments**

Keigo Ide, Yoshikatsu Nakano, Michihiro Ito, Yohei Nishikawa, Hiroyuki Fujimura & Haruko Takeyama

*Mar Biotechnol* 24, 871–881 (2022) <https://doi.org/10.1007/s10126-022-10149-5>

*Mar Biotechnol* 24, 1176 (2022) <https://doi.org/10.1007/s10126-022-10171-7>

Received: 04 April 2022/Accepted: 20 July 2022/Published: 23 August 2022

**Volume 24, Issue 5 (October), 2022****9. Age-Associated Different Transcriptome Profiling in Zebrafish and Rats: an Insight into the Diversity of Vertebrate Aging**

Yusuke Kijima, Wang Wantong, Yoji Igarashi, Kazutoshi Yoshitake, Shuichi Asakawa, Yutaka Suzuki, Shugo Watabe & Shigeharu Kinoshita

*Mar Biotechnol* 24, 895–910 (2022) <https://doi.org/10.1007/s10126-022-10153-9>

Received: 28 October 2021/Accepted: 31 July 2022/Published: 05 September 2022

**Volume 24, Issue 4 (August), 2022**

**8. Chromosome-Scale Genome Assembly of the Marine Oleaginous Diatom *Fistulifera solaris***

Yoshiaki Maeda, Ryosuke Kobayashi, Kahori Watanabe, Tomoko Yoshino, Chris Bowler, Mitufumi Matsumoto & Tsuyoshi Tanaka

*Mar Biotechnol* **24**, 788–800 (2022). <https://doi.org/10.1007/s10126-022-10147-7>

Received: 18 August 2021/Accepted: 14 February 2022/Published: 09 March 2022

**7. Enhancement of Squalene Production by Constitutive Expression of the 3-Hydroxy-3-Methylglutaryl-CoA Reductase in *Aurantiochytrium* sp. 18W-13a**

Tianjing Yang, Darryl Joy Juntilla, Naomichi Fujihara, Takashi Inada, Kohei Yoneda & Iwane Suzuki

*Mar Biotechnol* **24**, 733–743 (2022) <https://doi.org/10.1007/s10126-022-10139-7>

Received: 14 March 2022/Accepted: 29 June 2022/Published: 16 July 2022

**Volume 24, Issue 3 (June), 2022**

**6. Visualisation of Phosphate in Subcalicoblastic Extracellular Calcifying Medium and on a Skeleton of Coral by Using a Novel Probe, Fluorescein-4-Isothiocyanate Labelled Alendronic Acid**

Mariko Iijima, Jun Yasumoto, Kanami Mori-Yasumoto, Mina Yasumoto-Hirose, Akira Iguchi, Atsushi Suzuki, Nanami Mizusawa, Mitsuru Jimbo, Shugo Watabe & Ko Yasumoto

*Mar Biotechnol* **24**, 524–530 (2022). <https://doi.org/10.1007/s10126-022-10115-1>

Received: 18 January 2022/Accepted: 11 March 2022/Published: 23 April 2022

**5. Molecular Insights into Lipoxygenases in Diatoms Based on Structure Prediction: a Pioneering Study on Lipoxygenases Found in *Pseudo-nitzschia arenysensis* and *Fragilariopsis cylindrus***

Yoshiaki Maeda & Tsuyoshi Tanaka

*Mar Biotechnol* **24**, 468–479 (2022). <https://doi.org/10.1007/s10126-022-10120-4>

Received: 27 December 2021/Accepted: 20 March 2022/Published: 09 April 2022

**Volume 24, Issue 2 (April), 2022**

**4. Production of Germ Cell-Less Rainbow Trout by *dead end* Gene Knockout and their Use as Recipients for Germ Cell Transplantation**

Ryo Fujihara, Naoto Katayama, Sakiko Sadaie, Misako Miwa, Gabriela Angelica Sanchez Matias, Kensuke Ichida, Wataru Fujii, Kunihiko Naito, Makoto Hayashi & Goro Yoshizaki  
*Mar Biotechnol* **24**, 417–429 (2022). <https://doi.org/10.1007/s10126-022-10128-w>

Received: 11 October 2021/Accepted: 25 March 2022/Published: 05 April 2022

**3. Transcriptome Profiling in the Marine Red Alga *Neopyropia yezoensis* Under Light/Dark Cycle**

Sayaka Kominami, Hiroyuki Mizuta & Toshiki Uji

*Mar Biotechnol* **24**, 393–407 (2022). <https://doi.org/10.1007/s10126-022-10121-3>

Received: 20 December 2021/Accepted: 23 March 2022/Published: 04 April 2022

**Volume 24, Issue 1 (February), 2022**

**2. Identification of Extracellular Proteases Induced by Nitrogen-Limited Conditions in the Thraustochytrids *Schizochytrium aggregatum* ATCC 28209**

Chun Hung Man, Yohei Shimura & Iwane Suzuki

*Mar Biotechnol* **24**, 243–254 (2022). <https://doi.org/10.1007/s10126-022-10103-5>

Received: 18 August 2021/Accepted: 14 February 2022/Published: 09 March 2022

**1. Spermatogonia From Cryopreserved Testes of Critically Endangered Chinese Sturgeon Efficiently Colonized and Preferentially Proliferated in the Recipient Gonads of Yangtze Sturgeon**

Huan Ye, Yutaka Takeuchi, Hao Du, Huamei Yue, Rui Ruan, Chuangju Li & Qiwei Wei  
*Mar Biotechnol* **24**, 136–150 (2022). <https://doi.org/10.1007/s10126-022-10092-5>

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(Updated on 27 December 2021)

**First Online**

No articles by the Society members

**Volume 23, Issue 6 (December), 2021****7. In Vitro Oxidative Crosslinking of Recombinant Barnacle Cyprid Cement Gland Proteins**

Cleverley RM, Webb DS, Middlemiss S, Duke PW, Clare AS, Okano K, Harwood CR &amp; Aldred N

*Mar Biotechnol* 23, 928–942 (2021). <https://doi.org/10.1007/s10126-021-10076-x>

Received: 21 May 2021/Accepted: 23 September 2021/Published: 29 October 2021

**6. Dietary Intake of Selenoneine Enhances Antioxidant Activity in the Muscles of the Amberjack *Seriola dumerili* Grown in Aquaculture**

Takuma Tohfuku, Hitoshi Ando, Naho Morishita, Michiaki Yamashita &amp; Masakazu Kondo

*Mar Biotechnol* 23, 847–853 (2021). <https://doi.org/10.1007/s10126-021-10067-y>

Received: 15 March 2021/Accepted: 25 August 2021/Published: 30 September 2021

**Volume 23, Issue 5 (October), 2021****5. Regulation of the Expression of the Myosin Heavy Chain (MYH) Gene *myh14* in Zebrafish Development**

Sharmin Hasan, Shuichi Asakawa, Shugo Watabe &amp; Shigeharu Kinoshita

*Mar Biotechnol* 23, 821–835 (2021). <https://doi.org/10.1007/s10126-021-10066-z>

Received: 25 March 2021/Accepted: 24 August 2021/Published: 06 September 2021

**Volume 23, Issue 4 (August), 2021**

**4. Specific Detection of Coral-Associated *Ruegeria*, a Potential Probiotic Bacterium, in Corals and Subtropical Seawater**

Ruriko Kitamura, Natsuko Miura, Michihiro Ito, Toshiyuki Takagi, Hideyuki Yamashiro, Yumi Nishikawa, Yuna Nishimura, Keita Kobayashi & Michihiko Kataoka

*Mar Biotechnol* 23, 576–589 (2021). <https://doi.org/10.1007/s10126-021-10047-2>

Received: 07 May 2021/Accepted: 28 June 2021/Published: 18 July 2021

**Volume 23, Issue 3 (June), 2021**

**3. Lack of  $\Delta 5$  Desaturase Activity Impairs EPA and DHA Synthesis in Fish Cells from Red Sea Bream and Japanese Flounder**

Hayato Nyunoya, Tatsuki Noda, You Kawamoto, Yasuhiro Hayashi, Yohei Ishibashi, Makoto Ito & Nozomu Okino

*Mar Biotechnol* 23, 472–481 (2021). <https://doi.org/10.1007/s10126-021-10040-9>

Received: 26 February 2021/Accepted: 28 May 2021/Published: 26 June 2021

**2. Characterization of a CO<sub>2</sub>-Concentrating Mechanism with Low Sodium Dependency in the Centric Diatom *Chaetoceros gracilis***

Yoshinori Tsuji, George Kusi-Appiah, Noriko Kozai, Yuri Fukuda, Takashi Yamano & Hideya Fukuzawa

*Mar Biotechnol* 23, 456–462 (2021). <https://doi.org/10.1007/s10126-021-10037-4>

Received: 16 March 2021/Accepted: 13 May 2021/Published: 09 June 2021

**Volume 23, Issue 2 (April), 2021**

**1. Development of a Method for Fucoxanthin Production Using the Haptophyte Marine Microalga *Pavlova* sp. OPMS 30543**

Akihiko Kanamoto, Yuichi Kato, Erina Yoshida, Tomohisa Hasunuma & Akihiko Kondo

*Mar Biotechnol* 23, 331–341 (2021). <https://doi.org/10.1007/s10126-021-10028-5> Received:

17 August 2020/Accepted: 01 March 2021/Published: 13 March 2021

**Volume 23, Issue 1 (February), 2021**

No articles by the Society members

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**First Online****Correction to: Discovery of a Novel Gene Conferring Tellurite Tolerance through Tellurite Reduction to *Escherichia coli* Transformant in Marine Sediment Metagenomic Library**Madison Pascual Munar, Hirokazu Takahashi & Yoshiko Okamura*Mar Biotechnol* (2020). <https://doi.org/10.1007/s10126-020-10008-1>

Published: 09 November 2020

**Correction to: Comparative Gene Analysis Focused on Silica Cell Wall Formation: Identification of Diatom-Specific SET Domain Protein Methyltransferases**Michiko Nemoto, Sayako Iwaki, Hisao Moriya, Yuki Monden, Takashi Tamura, Kenji Inagaki, Shigeki Mayama & Kiori Obuse*Mar Biotechnol* (2020). <https://doi.org/10.1007/s10126-020-09999-8>

Published: 01 October 2020

**Volume 22, Issue 6 (December), 2020** **Special Issue: MBC2019****JSMB Award of Best Articles of the Year 2020****11. 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

**10. 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

**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* 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

**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

**7. 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

**6. 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

**Volume 22, Issue 5 (October), 2020**

(Short Communication)

**5. Diel Variation in CC Chemokine Gene Expression in the Japanese Pufferfish  
*Takifugu rubripes***Yuri Tsutsui, Teika Onoue, Jun-ichi Hikima, Masahiro Sakai & Tomoya Kono*Mar Biotechnol* 22, 607–612 (2020). <https://doi.org/10.1007/s10126-020-09988-x>

Received: 04 June 2020/Accepted: 05 August 2020/Published: 02 September 2020

**Volume 22, Issue 4 (August), 2020****JSMB Award of Best Articles of the Year 2020****4. Comparative Gene Analysis Focused on Silica Cell Wall Formation: Identification  
of Diatom-Specific SET Domain Protein Methyltransferases**Michiko Nemoto, Sayako Iwaki, Hisao Moriya, Yuki Monden, Takashi Tamura, Kenji

Inagaki, Shigeki Mayama &amp; Kiori Obuse

*Mar Biotechnol* (2020) 22, 551–563. <https://doi.org/10.1007/s10126-020-09976-1>

Received: 29 October 2019/Accepted: 07 May 2020/Published: 03 June 2020

**3. Molecular Identification, Characterization, and Expression Analysis of a  
Metallothionein Gene from *Septifer virgatus***Akihiro Sakatoku, Masahito Ishikawa, Kanna Yamazaki, Tomoya Nakamachi, Hiroyuki

Kamachi, Daisuke Tanaka &amp; Shogo Nakamura

*Mar Biotechnol* 22, 488–497 (2020). <https://doi.org/10.1007/s10126-020-09970-7>

Received: 22 January 2020/Accepted: 03 April 2020/Published: 21 May 2020

**Volume 22, Issue 3 (June), 2020****2. In Silico Analysis of ACE Inhibitory Peptides from Chloroplast Proteins of Red  
Alga *Grateloupia asiatica***Kana Sumikawa, Kentaro Takei, Yuya Kumagai, Takeshi Shimizu, Hajime Yasui, Hideki  
Kishimura

*Mar Biotechnol* 22, 391–402 (2020). <https://doi.org/10.1007/s10126-020-09959-2>

Received: 29 October 2019/Accepted: 25 February 2020/Published: 24 March 2020

### **Volume 22, Issue 2 (April), 2020**

No articles by the Society members

### **Volume 22, Issue 1 (February), 2020**

#### **1. Trivalent Iron Is Responsible for the Yellow Color Development in the Nacre of Akoya Pearl Oyster Shells**

Makoto Kakinuma, Ko Yasumoto, Michio Suzuki, Chiaki Kasugai, Mirai Koide,

Kayo Mitani, Kaho Shidoji, Shigeharu Kinoshita, Fumihito Hattori, Kaoru Maeyama,

Masahiko Awaji, Kiyohito Nagai, Shugo Watabe

*Mar Biotechnol* 22, 19–30 (2020). <https://doi.org/10.1007/s10126-019-09927-5>

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(Updated on 4 December 2019)

**First Online****Trivalent Iron Is Responsible for the Yellow Color Development in the Nacre of Akoya Pearl Oyster Shells**

Makoto Kakinuma, Ko Yasumoto, Michio Suzuki, Chiaki Kasugai, Mirai Koide, Kayo Mitani, Kaho Shidoji, Shigeharu Kinoshita, Fumihiro Hattori, Kaoru Maeyama, Masahiko Awaji, Kiyohito Nagai, Shugo Watabe

First Online: 14 November 2019

<https://doi.org/10.1007/s10126-019-09927-5>**Volume 21, Issue 6 (December), 2019****5. HaCeD-Seq: a Novel Method for Reliable and Easy Estimation About the Fish Population Using Haplotype Count from eDNA**

Kazutoshi Yoshitake, Tatsuki Yoshinaga, Chikaya Tanaka, Nanami Mizusawa, Md. Shaheed Reza, Atsumi Tsujimoto, Takanori Kobayashi, Shugo Watabe

December 2019, Volume 21, Issue 6, pp 813–820

<https://doi.org/10.1007/s10126-019-09926-6>**JSMB Award of Best Article of the Year 2019****4. Discovery of a Novel Gene Conferring Tellurite Tolerance Through Tellurite Reduction to *Escherichia coli* Transformant in Marine Sediment Metagenomic Library**

Madison Pascual Munar, Hirokazu Takahashi, Yoshiko Okamura

December 2019, Volume 21, Issue 6, pp 762–772

<https://doi.org/10.1007/s10126-019-09922-w>**Volume 21, Issue 5 (October), 2019**

No articles by the Society members.

**Volume 21, Issue 4 (August), 2019**

No articles by the Society members.

**Volume 21, Issue 3 (June), 2019**

**3. Physiological Properties of Photoautotrophic Microalgae and Cyanobacteria Relevant to Industrial Biomass Production**

Mikio Tsuzuki, Katsuhiko Okada, Haruna Isoda, Masayuki Hirano, Tetsuo Odaka,

Hiroataka Saijo, Risa Aruga, Hiroki Miyauchi, Shoko Fujiwara

June 2019, Volume 21, Issue 3, pp 406-415

<https://doi.org/10.1007/s10126-019-09890-1>

**Volume 21, Issue 2 (April), 2019**

**2. Phosphate Enrichment Hampers Development of Juvenile *Acropora digitifera* Coral by Inhibiting Skeleton Formation**

Mariko Iijima, Ko Yasumoto, Jun Yasumoto, Mina Yasumoto-Hirose, Nami Kuniya,

Ryota Takeuchi, Masashi Nozaki, Nobuyoshi Nanba, Takashi Nakamura, Mitsuru Jimbo,

Shugo Watabe

April 2019, Volume 21, Issue 2, pp 291-300

<https://doi.org/10.1007/s10126-019-09880-3>

**Volume 21, Issue 1 (February), 2019**

**1. *Ruegeria* sp. Strains Isolated from the Reef-Building Coral *Galaxea fascicularis* Inhibit Growth of the Temperature-Dependent Pathogen *Vibrio coralliilyticus***

Natsuko Miura, Keisuke Motone, Toshiyuki Takagi, Shunsuke Aburaya, Sho Watanabe,  
Wataru Aoki, Mitsuyoshi Ueda

February 2019, Volume 21, Issue 1, pp 1-8

<https://doi.org/10.1007/s10126-018-9853-1>

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(Updated on 27 November 2018)

**First Online****Detection of Growth-Related Quantitative Trait Loci and High-Resolution Genetic Linkage Maps Using Simple Sequence Repeat Markers in the Kelp Grouper (*Epinephelus bruneus*)**Kanonkporn Kessuwan, Satoshi Kubota, Qi Liu, Motohiko Sano, Nobuaki Okamoto, Takashi Sakamoto, Hirofumi Yamashita, Yoji Nakamura, Akiyuki Ozaki

First Online: 7 January 2016

<https://doi.org/10.1007/s10126-015-9679-z>**Volume 20, Issue 6 (December), 2018****10. Effects of 5-Aminolevulinic Acid on Gene Expression, Immunity, and ATP Levels in Pacific White Shrimp, *Litopenaeus vannamei***Ivane R. Pedrosa-Gerasmio, Tohru Tanaka, Asuka Sumi, Hidehiro Kondo, Ikuo Hirono

December 2018, Volume 20, Issue 6, pp 829–843

<https://doi.org/10.1007/s10126-018-9852-2>**Volume 20, Issue 5 (October), 2018****9. Comparison of Two Pearl Sacs Formed in the Same Recipient Oyster with Different Genetic Background Involved in Yellow Pigmentation in *Pinctada fucata***Mikihiro Shinohara, Shigeharu Kinoshita, Enkong Tang, Daisuke Funabara,Makoto Kakinuma, Kaoru Maeyama, Kiyohito Nagai, Masahiko Awaji, Shugo Watabe,

Shuichi Asakawa

October 2018, Volume 20, Issue 5, pp 594–602

<https://doi.org/10.1007/s10126-018-9830-8>**Volume 20, Issue 4 (August), 2018**

## **JSMB Award of Best Article of the Year 2018**

### **8. Identification, Characterization, and Mapping of a Novel SNP Associated with Body Color Transparency in Juvenile Red Sea Bream (*Pagrus major*)**

Eitaro Sawayama, Daiki Noguchi, Kei Nakayama, Motohiro Takagi

August 2018, Volume 20, Issue 4, pp 481–489

<https://doi.org/10.1007/s10126-018-9810-z>

### **7. Discolored Red Seaweed *Pyropia yezoensis* with Low Commercial Value Is a Novel Resource for Production of Agar Polysaccharides**

Keiji Sasuga, Tomoya Yamanashi, Shigeru Nakayama, Syuetsu Ono, Koji Mikami

August 2018, Volume 20, Issue 4, pp 520–530

<https://doi.org/10.1007/s10126-018-9823-7>

### **6. Protection of Coral Larvae from Thermally Induced Oxidative Stress by Redox Nanoparticles**

Keisuke Motone, Toshiyuki Takagi, Shunsuke Aburaya, Wataru Aoki, Natsuko Miura, Hiroyoshi Minakuchi, Haruko Takeyama, Yukio Nagasaki, Chuya Shinzato, Mitsuyoshi Ueda

August 2018, Volume 20, Issue 4, pp 542–548

<https://doi.org/10.1007/s10126-018-9825-5>

### **5. LexA Binds to Transcription Regulatory Site of Cell Division Gene *ftsZ* in Toxic Cyanobacterium *Microcystis aeruginosa***

Takashi Honda, Daichi Morimoto, Yoshihiko Sako, Takashi Yoshida

August 2018, Volume 20, Issue 4, pp 549–556

<https://doi.org/10.1007/s10126-018-9826-4>

**Volume 20, Issue 3 (June), 2018**

### **4. Involvement of Acidic Polysaccharide Ph-PS-2 and Protein in Initiation of Coccolith Mineralization, as Demonstrated by In Vitro Calcification on the Base Plate**

Shunto Sakurada, Shoko Fujiwara, Michio Suzuki, Toshihiro Kogure, Tatsuya Uchida,

Tomonari Umemura, Mikio Tsuzuki

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June 2018, Volume 20, Issue 3, pp 304–312  
<https://doi.org/10.1007/s10126-018-9818-4>

**Volume 20, Issue 2 (April), 2018**

**3. Glycogen Production in Marine Cyanobacterial Strain *Synechococcus* sp. NKBG 15041c**

Amr Badary, Shouhei Takamatsu, Mitsuharu Nakajima, Stefano Ferri, Peter Lindbald, Koji Sode

April 2018, Volume 20, Issue 2, pp 109–117 (Short Communication)  
<https://doi.org/10.1007/s10126-017-9792-2>

**2. Novel Isoforms of N16 and N19 Families Implicated for the Nacreous Layer Formation in the Pearl Oyster *Pinctada fucata***

Fumito Ohmori, Shigeharu Kinoshita, Daisuke Funabara, Hiroki Koyama, Kinohito Nagai, Kaoru Maeyama, Kikuhiko Okamoto, Shuichi Asakawa, Shugo Watabe

April 2018, Volume 20, Issue 2, pp 155–167  
<https://doi.org/10.1007/s10126-017-9793-1>

**1. Visualization of Endoplasmic Reticulum and Mitochondria in *Aurantiochytrium limacinum* by the Expression of EGFP with Cell Organelle-Specific Targeting/Retaining Signals**

Nozomu Okino, Hiroyoshi Wakisaka, Yohei Ishibashi, Makoto Ito

April 2018, Volume 20, Issue 2, pp 182–192  
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**Volume 20, Issue 1 (February), 2018**

No articles by the Society members

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