

# Journal of Bioscience and Bioengineering

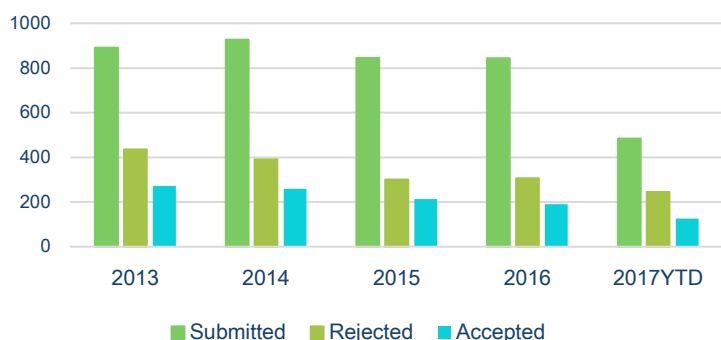
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The Journal of Bioscience and Bioengineering (JBB) aims to contribute to the advancement and dissemination of knowledge and technology in the fields of bioscience and biotechnology. JBB publishes papers on a broad range of topics in the areas of enzymology, physiology and biotechnology of microbes, plants, and animals; genetics, molecular biology, and gene engineering; brewing and food technology; environmental biotechnology; biochemical engineering; cell and tissue engineering; protein engineering; biomedical engineering; and bioinformatics. Genomics, systems biology, and structural biology, which hold much promise for the future, are also within the scope of JBB.

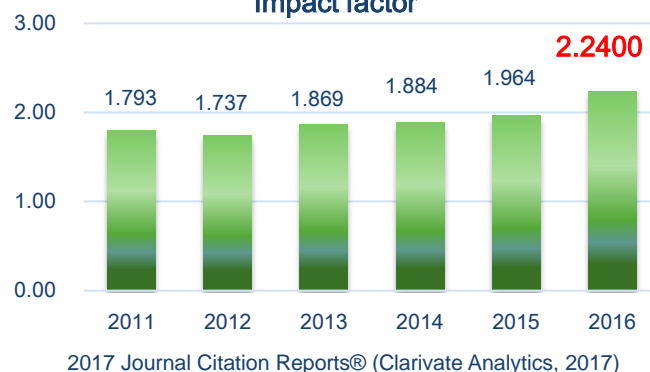
- **Editor-in-Chief:** Junichi Kato (Hiroshima University, Japan)
- **Impact Factor\*:** 2.2400 (73/158 in Biotechnology & Applied microbiology)
- **5-Year Impact Factor\*:** 2.221
- **Eigenfactor Score\*:** 0.00924
- **Issues per year:** 12
- **Submission to First Decision:** 4.2 weeks (2016)
- **Submit Article:** <https://www.evise.com/evise/jrnl/JBIOSC>
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- **Full text:** <http://www.sciencedirect.com/science/journal/13891723> (ScienceDirect)



Submissions and Decisions



Impact factor



## SBJ Excellent Paper Award 2017 (papers published in volume 121/122, 2016)

Author/Title	Volume	Issue	Page
Matsumoto D, Yamagishi A, Saito M, Sathuluri RR, Silberberg YR, Iwata F, Kobayashi T, Nakamura C: <b>Mechanoporation of living cells for delivery of macromolecules using nanoneedle array</b>	122	6	748–752
Abdelhamid MA, Ikeda T, Motomura K, Tanaka T, Ishida T, Hirota R, Kuroda A: <b>Application of volcanic ash particles for protein affinity purification with a minimized silica-binding tag</b>	122	5	633–638
Kikukawa H, Sakuradani E, Ando A, Okuda T, Shimizu S, Ogawa J: <b>Microbial production of dihomog-<math>\gamma</math>-linolenic acid by <math>\Delta 5</math>-desaturase gene-disruptants of <i>Mortierella alpina</i> 1S-4</b>	122	1	22–26
Taniguchi M, Ochiai A, Fukuda S, Sato T, Saitoh E, Kato T, Tanaka T: <b>Amyl-1–18, a cationic <math>\alpha</math>-helical antimicrobial octadecapeptide derived from <math>\alpha</math>-amylase in rice, inhibits the translation and folding processes in a protein synthesis system</b>	122	4	385–392
Gao M, Tashiro Y, Wang Q, Sakai K, Sonomoto K: <b>High acetone–butanol–ethanol production in pH-stat co-feeding of acetate and glucose</b>	122	2	176–182
Dong J, Jeong HJ, Ueda H: <b>Preparation of Quenchbodies by protein transamination reaction</b>	122	1	125–130
Yamano N, Takahashi M, Ali Haghparast SM, Onitsuka M, Kumamoto T, Frank J, Omasa T: <b>Increased recombinant protein production owing to expanded opportunities for vector integration in high chromosome number Chinese hamster ovary cells</b>	122	2	226–231

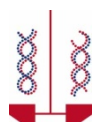
## Most cited articles published since 2012 (extracted from Scopus on July 6, 2017)

Author/Title	Year	Volume	Issue	Page
Tang J, Zhu W, Kookana R, Katayama A: <b>Characteristics of biochar and its application in remediation of contaminated soil</b>	2013	116	6	653-659
Putri S P, Nakayama Y, Matsuda F, Uchikata T, Kobayashi S, Matsubara A, Fukusaki E: <b>Current metabolomics: Practical applications</b>	2013	115	6	579-589
Feng P, Deng Z, Fan L, Hu Z: <b>Lipid accumulation and growth characteristics of <i>Chlorella zofingiensis</i> under different nitrate and phosphate concentrations</b>	2012	114	4	405-410
Karlsson A, Einarsson P, Schnürer A, Sundberg C, Ejlertsson J, Svensson B H: <b>Impact of trace element addition on degradation efficiency of volatile fatty acids, oleic acid and phenyl acetate and on microbial populations in a biogas digester</b>	2012	114	4	446-452
Putri S P, Yamamoto S, Tsugawa H, Fukusaki E: <b>Current metabolomics: Technological advances</b>	2013	116	1	9-16
Chen Q, Ni J: <b>Ammonium removal by <i>Agrobacterium</i> sp. LAD9 capable of heterotrophic nitrification-aerobic denitrification</b>	2012	113	5	619-623
Huang X, Zhang X, Wang X, Wang C, Tang B: <b>Microenvironment of alginate-based microcapsules for cell culture and tissue engineering</b>	2012	114	1	1-8
Abbasi H, Hamed MM, Lotfabad TB, Zahiri HS, Sharafi H, Masoomi F, Moosavi-Movahedi AA, Ortiz A, Amanlou M, Noghabi KA: <b>Biosurfactant-producing bacterium, <i>Pseudomonas aeruginosa</i> MA01 isolated from spoiled apples: Physicochemical and structural characteristics of isolated biosurfactant</b>	2012	113	2	211-219
Saito M: <b>History of supercritical fluid chromatography: Instrumental development</b>	2013	115	6	590-599
Misra NN, Keener KM, Bourke P, Mosnier JP, Cullen PJ: <b>In-package atmospheric pressure cold plasma treatment of cherry tomatoes</b>	2014	118	2	177-182

## Young Asian Biotechnologist Prize

Young Asian Biotechnologist Prize is intended to stimulate and reward a young biotechnologist selected from Asian countries (other than Japan) for outstanding accomplishments in the field of biotechnology. For details, please visit SBJ website at [http://www.sbj.or.jp/e/about/about\\_awards\\_young\\_asian.html](http://www.sbj.or.jp/e/about/about_awards_young_asian.html).

Year	Winner	Affiliation	Review Title Published in JBB
2017	Chi-Wei Lan	Yuan Ze University (Taiwan)	<i>In preparation</i>
	Tau Chuan Ling	University of Malaya (Malaysia)	<i>In preparation</i>
2016	Choowong Auesukaree	Mahidol University (Thailand)	<b>Molecular mechanisms of the yeast adaptive response and tolerance to stresses encountered during ethanol fermentation</b> (vol. 124, no. 2, p. 133–142, 2017)
2015	Xinqing Zhao	Shanghai Jiao Tong University (P.R. China)	<b>Development of stress tolerant <i>Saccharomyces cerevisiae</i> strains by metabolic engineering: new aspects from cell flocculation and zinc supplementation</b> (vol. 123, no. 2, p. 141–146, 2017)
2014	Ki Jun Jeong	KAIST (Korea)	<b>Challenges to production of antibodies in bacteria and yeast</b> (vol. 120, no. 5, p. 483–490, 2015)



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