

生物工学アジア若手研究奨励賞 (DaSilva Award) は、21世紀の人類社会の発展と地球環境の保全に必須である微生物に関連するバイオテクノロジーの分野で、近い将来に顕著な研究業績をあげることが期待されるアジアの若手研究者に授与されます。本賞は、元ユネスコバイオサイエンス部長であった故Edgar J. DaSilva博士のご寄付により、日本生物工学会創立90周年記念事業の一環として2012年に創設されたものです。

⇒ [推薦要領はこちら](#)

受賞年	受賞者	所属 (受賞当時)	受賞課題および受賞後の研究成果
第13回 2024年 (R.6)	該当者なし		
第12回 2023年 (R.5)	Kit Wayne Chew	Nanyang Technological Univ. (Singapore)	Engineering strategies for enhancing microalgae lipid production using effluents of coke-making wastewater
第11回 2022年 (R.4)	Yu Wang ⇒ Profile	Tianjin Institute of Industrial Biotechnology, CAS (P.R. China)	Development of genome engineering technologies for <i>de novo</i> design and construction of microbial cell factories
第10回 2021年 (R.3)	Hui-Suan Ng (Grace) ⇒ Profile	UCSI Univ. (Malaysia)	An integrated approach for sustainable production of keratinase using aqueous biphasic electrophoresis ⇒ Expression of His-tagged NADPH-dependent acetoacetyl-CoA reductase in recombinant <i>Escherichia coli</i> BL-21(DE3) (JBB vol. 136, no. 4, pp. 312–319, 2023)
第9回 2020年 (R.2)	Norhayati Ramli ⇒ Profile	Universiti Putra Malaysia (Malaysia)	Development of value-added products process from palm oil waste and monitoring of bacterial indicators for environmental assessment towards sustainable palm oil industry ⇒ Survivability of <i>Alcaligenaceae</i> and <i>Chromatiaceae</i> as palm oil mill effluent pollution bioindicators under fluctuations of temperature, pH and total suspended solid (JBB vol. 132, no. 2, pp. 174–182, 2021)

<p>第8回 2019年 (R.1)</p>	<p>Han Xiao ⇒Profile</p>	<p>Shanghai Jiao Tong Univ. (P.R. China)</p>	<p>Metabolic engineering of <i>Saccharomyces cerevisiae</i> for efficient biosynthesis of antitumor ganoderic acid HLDOA</p> <p>⇒Cyclodextrins facilitate the efficient secretion of an anti-tumor triterpenoid ganoderic acid HLDOA by <i>Saccharomyces cerevisiae</i> (JBB vol. 130, no. 2, pp. 142–148, 2020)</p> <p>⇒Improving the production of squalene-type triterpenoid 2,3;22,23-squalene dioxide by optimizing the expression of CYP505D13 in <i>Saccharomyces cerevisiae</i> (JBB vol. 130, no. 3, pp. 265–271, 2020)</p>
<p>第7回 2018年 (H.30)</p>	<p>Pau-Loke Show ⇒Profile</p>	<p>The Univ. of Nottingham, Malaysia (Malaysia)</p>	<p>Converting wastewater to bioenergy and bio-products using microalgae technology</p> <p>⇒Isolation and characterization of a novel <i>Lactobacillus plantarum</i> MMB-07 from traditional Suanyu for <i>Acanthogobius hasta</i> fermentation (JBB vol. 132, no. 2, pp. 161–166, 2021)</p> <p>⇒Characterization of a novel type I l-asparaginase from <i>Acinetobacter soli</i> and its ability to inhibit acrylamide formation in potato chips (JBB vol. 129, no. 6, pp. 672–678, 2020)</p> <p>⇒Overproduction of lipoxygenase from <i>Pseudomonas aeruginosa</i> in <i>Escherichia coli</i> by auto-induction expression and its application in triphenylmethane dyes degradation (JBB vol. 129, no. 3, pp. 327–332, 2020)</p> <p>⇒Date pits activated carbon for divalent lead ions removal (JBB vol. 128, no. 1, pp. 88–97, 2019)</p> <p>⇒Auto-flocculation through cultivation of <i>Chlorella vulgaris</i> in seafood wastewater discharge: Influence of culture conditions on microalgae growth and nutrient removal (JBB vol. 127, no. 4, pp. 492–498, 2019)</p>
<p>第6回 2017年 (H.29)</p>	<p>Fithriyah Sjatha ⇒Profile</p>	<p>Universitas Indonesia (Indonesia)</p>	<p>Production of resuscitation-promoting factor B of <i>Mycobacterium tuberculosis</i> using various expression systems and their immunogenetical study for vaccine platform</p>
<p>第5回 2016年 (H.28)</p>	<p>Uschara Thumarat ⇒Profile</p>	<p>Prince of Songkla Univ. (Thailand)</p>	<p>Biochemical characterization and molecular engineering of recombinant cutinases and carboxylesterase from a thermophilic actinomycete, <i>Thermobifida alba</i> AHK119</p>

第4回 2015年 (H.27)	該当者なし		
第3回 2014年 (H.26)	Zhiling Li ⇒ Profile	Harbin Institute of Technology (P.R. China)	Accelerated reductive dechlorination of chlorinated hydrocarbons by anaerobic bacteria formed biocathode system and the corresponding reaction mechanism ⇒ Phenol-degrading anode biofilm with high coulombic efficiency in graphite electrodes microbial fuel cell (JBB vol. 123, no. 3, pp. 364–369, 2017) ⇒ Enhanced denitrification of <i>Pseudomonas stutzeri</i> by a bioelectrochemical system assisted with solid-phase humin (JBB vol. 122, no. 1, pp. 85–91, 2016)
第2回 2013年 (H.25)	Sen Qiao ⇒ Profile	Dalian Univ. of Technology (P.R. China)	Effects of electric stimulation on the activity of anammox biomass
第1回 2012年 (H.24)	Li Zhang ⇒ Profile	Chinese Research Academy of Environmental Sciences (P.R. China)	Treatment capability of an up-flow anammox column reactor using polyethylene sponge strips as biomass carrier ⇒ Characteristics of mesenchymal stem cells derived from Wharton's jelly of human umbilical cord and for fabrication of non-scaffold tissue-engineered cartilage (JBB vol. 117, no. 2, pp. 229–235, 2014)

- [生物工学アジア若手研究奨励賞 \(The DaSilva Award\) の創設について](#) 

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