

Proceeding



JAPAN-INDONESIA INTERNATIONAL SCIENTIFIC CONFERENCE 2018

SCHOLAR SUMMIT

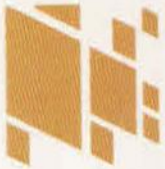
Sunday, 28 October 2018
Icho-kaikan Hall, Suita campus,
Osaka University, Japan

Industrial Revolution 4.0 for Smart Society



ABSTRACT BOOK





JAPAN-INDONESIA INTERNATIONAL SCIENTIFIC CONFERENCE 2018



Welcome Remarks

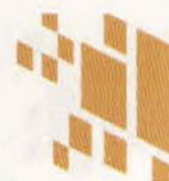
Dear Colleagues,

We are delighted to welcome you to the Japan-Indonesia International Scientific Conference (JIISC-2018), which are held at Osaka, Japan on October 27-28, 2018 at the Icho-Kaikan in Suita Campus, Osaka University. Osaka University is one of Japan's leading national universities that are widely known as an innovative university with strong industry-academia alliance. Osaka, a modern and vibrant city, is a major hub for science and technology and an important economic and commercial center of the country. Osaka is also well known as the "Nation's Kitchen" because of its diverse and delicious cuisine, making it one of the top destinations for Japanese food lovers.

The conference has a theme of Industrial Revolution 4.0 for Smart Society, a topic very relevant to the strong cooperation between Indonesia and Japan. In commemoration of 60th year anniversary of Indonesia and Japan relationship, this conference will bring together Indonesian and Japanese researchers to promote stronger friendship through science and technology. In addition, the conference will provide a number of networking opportunities to help establish connections for early career scientists in Japan, Indonesia, as well as globally. We are pleased to provide you with an exciting scientific program comprising oral sessions with talks from Engineering, Life Sciences and Social Sciences, multiple poster sessions, luncheons, and networking events. Additionally, we have planned a range of social activities, including a welcome reception and excursion to Japan's most beautiful destinations in Kyoto city. In conjunction with this conference, The Embassy of Republic of Indonesia, Tokyo is also hosting a gala dinner for Indonesian and Japanese scholars to commemorate 60th year anniversary of both countries bilateral relationship. Furthermore, our conference also offers publication opportunities with well-established journals in the field of Engineering, Life Sciences and Social Sciences.

Osaka is the ideal place for delegates to enjoy many exciting destinations as it serves as the most important hub in Kansai area with easy connections to major neighboring cities such as traditional Kyoto, Kobe (home to the delicious "Kobe beef"), ancient city Nara, and many others. On behalf of the Scientific and Local Organizing Committee, the International Indonesian Young Scientist Forum (ForMIND), International Indonesian Scholars Association (I-4), Universitas Indonesia (UI) and Indonesian Student Association Japan (PPI-J), we offer you a warm welcome to the JIISC-2018!

Prof. Eiichiro Fukusaki and Assist. Prof. Dr. Sastia Prama Putri
Chair of the Organizing Committee
Department of Biotechnology, Graduate School of Engineering
Osaka University, Japan



LIFE SCIENCE

No. 1

Sodium and Potasium Profile of Calves Serum that Induced with *Echerichia coli* K-99 and Given Microcapsules of Immunoglobulin G Anti *Echerichia coli* K-99

Arief Purwo Mihardi, Anita Esfandiari, Sus Derthi Widhyari, Sri Murtini, Retno Wulansari, Leni Maylina

No. 2

Antioxidant Activity of Pelawan (*Tristanopsis obovate* Benn.) Leaf Extracts by the Use of DPPH Method

Yusfiati, Manalu W, Wresdiyati T, Maheswari H

No. 3

Water Spring Evaluation and Forest Conservation of Mount Merbabu National Park for Tourism in New Selo, Yogyakarta

Satrio Budi Prakoso ¹, Sri Astuti Soedjoko

No. 4

Comparison Between the Potential of Tempe Flour Made from Germinated and Nongerminated Soybeans in Preventing Diabetes Mellitus

Made Astawan, Inas Suci Rahmawati, Tuti Wresdiyati

No. 5*Selected oral presentation

Identification of Biomarkers for Nitrogen Status in *Sorghum Bicolor* Seedlings

Reza Ramdan Rivai, Masaru Kobayashi, Shigeru Hanano, Daisuke Shibata, Toru Matoh

No. 6

The Effect of Modified Cultivation System On Growth and Survival Rate of Patin Fish (*Pangasius Hypophthalmus*)

Irfan Zidni, Ayi Yustiati, Iskandar, Yuli Andriani, Ujang Subhan, Fitri Meyllianawaty

No. 7

Pitcher Shapes Variation of *Nepenthes* Based On Geometric Morphometrics Analysis: Basis for Development Automated Species Identification System

JN. Raisal Haq, Nunik S Arianti, Berry Juliandi, P.J.A Kessler

No. 8

Acute Toxicity Evaluation of *Curcuma Xanthorrhiza* Based Hepatoprotective Supplement

Poppy Firzani Arifin, Retno Murwanti, Irfan Muris Setiawan, Purwantiningsih, Raphael Aswin Susilowidodo, Rosalina Wisastra




No. 9
Utilization Anaerobic Microorganisms with Coal Media to Prevent Greenhouse Gas Formation from Livestock Waste
Hidayati Y.A ., Tb.B.A.Kurnani, E.T.Marlina, K.N.Rahmah, I.M.Joni, Ellin Harlia
No. 10
Product Quality of Vermicompost from The Mixture of Beef Cattle Waste and Rice Straw
Marlina E.T, D. Z. Badruzzaman, I. Susilawati
No. 11
Ant Diversity (Hymenoptera: Formicidae) on Different Types of Land Use in Education Forest "UB Forest", Malang, Indonesia
Rina Rachmawati, Margaretha Galuh SCA, Mufidah A., Akhmad Rizali
No. 12
Ecological Diversity of Microbial Consortium Feces of Beef Cattle and Lignite Coal Waste
Gina Chynthia Kamarudin Puteri, Roni Ridwan, Ellin Harlia
No. 13
The Effect of Uva-Led On Extended-Spectrum -Lactamase (Esbl) Producing <i>Escherichia Coli</i> from Clinical Isolates
Maria Ulfa, Takaaki Shimohata, Shiho Fukushima, Momoyo Azuma, Takashi Uebanso, Kazuaki Mawatari, Akira Takahashi
No. 14
Bacterial Community Structure in The Paddy Soil Inoculated with Methanotrophic and N₂o-Reducing Bacteria in Tegal, Indonesia
Yuli Siti Fatma, Iman Rusmana, Aris Tri Wahyudi, Hamim
No. 15*Selected oral presentation
Genetic Variation at Ldlr Gene as an Atherosclerotic Marker in Cynomolgus (<i>Macaca Fascicularis</i>) And Pig-Tailed (<i>Macaca Nemestrina</i>) Macaques
Dyah Perwitasari-Farajallah, Uus Saepuloh, Nenden Shanazvira Azizah, Achmad Taher
No. 16
Evaluation of The Microorganisms Consortium from Beef Cattle Feces On Gas Adsorption Capacity Lignite Coalbed Methane and Biogas Production in Langmuir
Ellin Harlia, Ilham Dhiaputra, K.N. Rahmah, Camellia Panatarani, I Made Joni
No. 17*Selected oral presentation
The Effect of Fermented Red Seaweed (<i>Kappaphycus alvarezii</i>) Supplemented Feed on White Shrimp (<i>Litopenaeus vannamei</i>) Post-Larvae Growth and Survival Performance
Gede Suantika, Magdalena Lenny Situmorang, Felicia Irene Saputra, Ulya Alviredieta, Pingkan Aditiawati, Sastia Prama Putri

確認画面 "The 92nd Annual Meeting of Japanese Society for Bacteriology" Hokkaido, 23-25 April 2019.

発表形式 (必須)	一般演題 (選抜ワークショップ・ポスター)
一般演題カテゴリー (第1希望は必須)	第1希望: 7.抗菌性物質・薬剤耐性 - b.薬剤耐性 第2希望: 2.生態 - d.その他 優秀発表賞対象者ですか: はい
筆頭著者の氏名 (必須)	日本語表記 (必須): Maria Ulfa ふりがな: まりあうるふあ 英語表記 (必須): Maria Ulfa 発表者 (Presenter): チェック有り
筆頭著者の所属施設 (必須) ※所属施設番号1に該当	施設名 徳島大学 大学院 医歯薬学研究部 予防環境栄養学分野 英語表記 Dept. Prevent. Environ. Nutr., Inst. Biomed. Sci., Tokushima Univ. Grad. Sch.,
筆頭著者の会員番号 (必須)	99999
筆頭著者の所属施設 郵便番号 (必須)	770-8503
筆頭著者の所属施設 所在地 (必須)	徳島県
筆頭著者の所属施設 住所 (必須)	徳島市蔵本町3丁目18-15
筆頭著者の所属施設 電話番号 (必須)	088-633-9598
筆頭著者の所属施設 FAX番号	088-633-7092
筆頭著者のメールアドレス (必須)	missmariaulfa@gmail.com
筆頭著者の所属施設番号 (必須)	所属施設番号1
所属施設2 ※所属施設番号2に該当	施設名 徳島大学病院感染制御部 英語表記 Dept. Infect. Cont. Prevent., Tokushima Univ. Hosp.,
共同著者2	日本語表記 (必須): 下畑 隆明 ふりがな: しもはた たかあき 英語表記 (必須): Shimohata Takaaki 会員番号: 217184 所属施設番号 1
共同著者3	日本語表記 (必須): 福島 志帆 ふりがな: ふくしま しほ 英語表記 (必須): Fukushima Shiho 会員番号: 218881 所属施設番号 1
共同著者4	日本語表記 (必須): 東 桃代 ふりがな: あずま ももよ 英語表記 (必須): Azuma Momoyo 会員番号: 99999 所属施設番号 2

共同著者5	日本語表記(必須) : 上増 喬 ふりがな : うえばん そう たかし 英語表記(必須) : Uebanso Takashi 会員番号 : 99999 所属施設番号 : 1
共同著者6	日本語表記(必須) : 馬渡 一論 ふりがな : まわたり かずあき 英語表記(必須) : Mawatari Kazuaki 会員番号 : 217216 所属施設番号 : 1
共同著者7	日本語表記(必須) : 高橋 章 ふりがな : たかはし あきら 英語表記(必須) : Takahashi Akira 会員番号 : 214517 所属施設番号 : 1
演題名(英語表記のみ必須)	演題名(英語) The Effectiveness of UVA-LED Irradiation on ESBL-Producing <i>Escherichia coli</i>
抄録本文(必須)	オリジナル <p>The prevalence of Extended-Spectrum β-Lactamase (ESBL) producing <i>Escherichia coli</i> is increasing rapidly in the hospital and the community. As an innovative non-antibiotic approach, UVA-LED at various wavelengths is reliable and applicable to be effective methods for disinfection and inactivation of pathogenic associated infectious diseases. The aim of this study has further explored the effectiveness of UVA-LED irradiation to inactivate ESBL-<i>E. coli</i>. ESBL-<i>E. coli</i> samples from clinical isolates strain from Tokushima University Hospital patients, and food isolates strain from Japanese chicken meats. The <i>E. coli</i> K-12 was used as a non-ESBL-<i>E. coli</i> control strain. The UVA-LED exposed the bacterial suspensions with 365 nm wavelength. This is the first report applying UVA-LED irradiation to inactivation ESBL-<i>E. coli</i>. Result demonstrated that UVA-LED was effective to inactivation of ESBL-<i>E. coli</i> and there was no significant difference in clinical isolate; food isolates strain and <i>E. coli</i> non-ESBL. Interestingly, each strain shows different respond after irradiation. The inactivation of the bacteria was dependent on the output power of the UVA-LED device and time irradiation.</p> HTML表記 <p>The prevalence of Extended-Spectrum β-Lactamase (ESBL) producing <i>Escherichia coli</i> is increasing rapidly in the hospital and the community. As an innovative non-antibiotic approach, UVA-LED at various wavelengths is reliable and applicable to be effective methods for disinfection and inactivation of pathogenic associated infectious diseases. The aim of this study has further explored the effectiveness of UVA-LED irradiation to inactivate ESBL-<i>E. coli</i>. ESBL-<i>E. coli</i> samples from clinical isolates strain from Tokushima University Hospital patients, and food isolates strain from Japanese chicken meats. The <i>E. coli</i> K-12 was used as a non-ESBL-<i>E. coli</i> control strain. The UVA-LED exposed the bacterial suspensions with 365 nm wavelength. This is the first report applying UVA-LED irradiation to inactivation ESBL-<i>E. coli</i>. Result demonstrated that UVA-LED was effective to inactivation of ESBL-<i>E. coli</i> and there was no significant difference in clinical isolate; food isolates strain and <i>E. coli</i> non-ESBL. Interestingly, each strain shows different respond after irradiation. The inactivation of the bacteria was dependent on the output power of the UVA-LED device and time irradiation.</p>
パスワード(必須)	*****
総制限文字数	計 : 1764文字
キーワード	1. ESBL 2. E. coli 3. UVA-LED

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