

The 46th Annual Meeting of Japan Oil Chemists' Society Scientific Program

Award Lecture : September 7th, 9:15 – 10:45

Room A (Center Hall)

9:15 9:45

2SA-01 Award Lecture for Prominent Studies

(Tokyo Univ. of Sci.) Norio YOSHINO

9:45 -10:15

2SA-02 Award Lecture for Prominent Industrial Studies

(New Japan Chemical Co. Ltd.) Kango FUJITANI

10:15 10:45

2SA-03 Award Lecture for Young Prominent Scientists

(Hokkaido Univ.) Masashi HOSOKAWA

Oil and Fat Industry Kaikan Foundation Award Lecture September 6th, 9:00 – 12:00

Room A (Center Hall)

[Lectures on Oil and Fat Technology]

9:05-9:20

1SA-01 Application of reverse micelles to separation and condensation of protein

(Tokyo Metropolitan Univ.) Hidetaka NORITOMI

9:20-9:35

1SA-02 Self-aggregates of hydrophobic phospholipids polymers

(NOF Corp.) Nobuyuki YAMAMOTO

9:35-9:50

1SA-03 Development of novel oil-like humectants for cosmetics and their application for preparing ultra-fine emulsions

(Shiseido Co. Ltd) Reiji MIYAHARA

[Lectures on Oil and Fat Industrial Development]

10:00-10:15

1SA-04 「Transmission of TAKUMI」 on oleo-chemical industry

(NOF Corp.) Takeshi KAJIKI

10:15-10:30

1SA-05 A tradition of skill in oil and fat industry - Oil palm plantation where ruin ground was used

(ADEKA Corp.) Satoru KOBORI

10:30-10:45

1SA-06 An alternative oil resource for the life science age - Creation of GEO palm to help conserve the earth environment

(Lion Corp.) Tomoji ONO

10:45-11:00

1SA-07 The Oil & Fat Industry with a Change in the Population Structure (The Society of Declining birthrate and Aging)

- The role of the Oil & Fat Industry to spend Healthy " Brain Life "

(Miyoshi Oil & Fat Co. Ltd.) Yuichiro TAKAMATSU

[Lectures on Research Grant]

11:05-11:25

1SA-08 Study of Synthetic Bilayer-type Liquid Crystals Having Various Layer Structures or Micro-segregations
- Study for Novel Thermo-sensitive Surfactant Membrane having functional permeability
(Hirosaki Univ.) Masanobu SAGISAKA

11:25-11:40

1SA-09 Lipid components in grapes: relation to cryotolerance and wine quality
(Obihiro Univ. of Agri. and Vet. Med.) Keita YUNOKI

11:40-11:55

1SA-10 Evaluation of antioxidants as assessed by biomarkers
(AIST) Yasukazu YOSHIDA

Luncheon Division Symposium September 6th, 12:15 – 13:45

Room B (1st Bld. 1F Room 0111)

1. Oleomaterial Division

1LB-01 (Osaka Municipal Technical Research Institute) Motohiro SHIZUMA

1LB-02 (Kanehide Bio Co. Ltd.) Makoto TAKAHASHI

Room C (1st Bld. 2F Room 0121)

2. Surface Science Division

1LC-01 (Kansai Univ.) HIDEYA KAWASAKI

Room E (3rd Bld. 1F Room 0313)

3. Oleo-Industry Technical Division

1LE-01 (Japan Institute of Oil, Fats & Other Foods Inspection Foundation) Kenji CHIMI

Room D (3rd Bld. 1F Room 0311)

4. Detergent & Cleaning Division

1LD-01 (GekkeikanCo. Ltd.) Youji HATA

Room F (3rd Bld. 2F Room 0321)

5. Oleo Life Science Division

1LF-01 (FFAG · DDS Research Organization) Tourou NAKAHARA

1LF-02 (Principal of Division) Hiroyuki SHIMAZAKI

Room A (Center Hall)

6. Oleo Nano Science Division

1LA-01 (Tsukuba Univ.) Yasuhisa ADACHI

Room G (Resarch Bld. 4F Multipurpose Room)

7. Masters Club

1LG-01 (Previous President of International Research Center for Japanese Studies) Tetsuo YAMAORI

General Oral Session

Room B Surface Science (Property A) (1st Bld. 1 F Room 0111)

September 6th (Thu) Afternoon: Surface Science (Property A)

14:00-15:00

- 1B-01 Thermodynamic Study on Competitive Solubilization of Cholesterol and Plant Sterol in Bile Salt Micelles
(Showa Pharm. Univ.) Keisuke Matsuoka, Tomomi Nakazawa, Chikako Honda, Kazutoyo Endo
- 1B-02 Preparation of Polyurea capsules by Electro-capillary Emulsification Method.
(Tokyo Univ. of Sci.) Keisuke Tanaka, Kenichi Sakai, Hideki Sakai, Tamotsu Kondou, Masahiko Abe
- 1B-03 Development of a novel preparation method of PLGA microcapsule
(Tokyo Univ. of Sci.) Masachika Hashino, Hideki Sakai, Tamotsu Kondou, Masahiko Abe
- 1B-04 Preparations and characteristics of PEG-Grafted Liposomes with supercritical reverse phase evaporation method
(Tokyo Univ. of Sci.) Masakatsu SHOJI, Toshio SAKAI, Koji TUCHIYA, Kenichi SAKAI, Hideki SAKAI, Katsuto OTAKE, Masahiko ABE

15:00-16:00

- 1B-05 Effect of cationic amphiphile on membrane properties of liposomes
(Tokyo Univ. of Sci.) Hideki Tomizawa, Koji Tsutiya, Toshio Sakai, Kennichi Sakai, Hideki Sakai, Masahiko Abe
- 1B-06 High surface activity of phytosterol ethoxylates in ionic liquid
(Tokyo Univ. of Sci) Takanori Saitoh, Koji Tsuchiya, Kenichi Sakai, Hideki Sakai, Masahiko Abe
- 1B-07 Preparation and properties of micro/nanobubble for sonographic diagnosis
(Tokyo Univ. of Sci.¹, Aloka Co. Ltd.², Jikei Univ. School of Med.³) Kazuyoshi Fujiwara¹, Koji Tsuchiya¹, Taketo Konno², Kazunori Itani², Takashi Ito², Tomokazu Matsuura³, Kiyoshi Okawa³, Kazuyuki Tsubone¹, Hideki Sakai¹, Masahiko Abe¹
- 1B-08 A behavior of fatty acid having double chain type perfluoroalkyl groups
(Kyoto Inst. of Tech.) Shinsuke OHSHITA, Chihiro YOSHIMASU, Yasunori NAKAI, Tatsuo OIDA, Tokuzo KAWASE

16:00-17:00

- 1B-09 A Novel Procedure for Preparing Gold Nanoparticles by Spiculisporate Biosurfactants as the Reducing Agents at Normal Temperatures
(Kyoto CREATE¹, Doshisya Univ.², Meisei Univ.³, Tokyo Gakugei Univ.⁴) Takao FUKUOKA¹, Yasushige MORI², Yutaka ISHIGAMI^{3,4}, Hisashi HARADA³, Yoshihiro MITSUTSUKA³, Takayoshi KOIKE³, Hisao HIDAKA³, Yasuomi TAKIZAWA⁴
- 1B-10 New Approach of Partially Fluorinated Amphiphiles to Model Substitutes for Pulmonary Surfactant at the Air-Water interface
(Kyushu Univ.¹, Fukuoka Univ.², Institut Charles Sadron³, Nagasaki International Univ.⁴) Hiromichi NAKAHARA¹, Sannamu LEE², Gohsuke SUGIHARA², Marie Pierre KRAFFT³, Osamu SHIBATA⁴
- 1B-11 Interfacial Behavior of Perfluorinated Double Long-Chain Salts with Divalent Counterion of Separate Electric Charge
(Kyushu Univ.¹, Nagasaki International Univ.²) Yuki MATSUMOTO¹, Hiromichi NAKAHARA¹, Yoshikiyo MOROI¹, Osamu SHIBATA²
- 1B-12 Behavior of Cerebrosides Langmuir Monolayer Originated from the Sea Cucumber at the Air-Water interface
(Nagasaki International Univ.¹, Kyushu Univ.², Nagasaki Univ.³) Yuriko IKEDA¹, Masanori INAGAKI², Bo ZHANG², Koji YAMADA³, Ryuichi HIGUCHI², Osamu SHIBATA¹

September 7th (Fri) Afternoon: Surface Science (Property A)

13:30-14:15

- 2B-02 Dispersion Characteristics of Surfactant-free Emulsion Formed with Amphipathic Oils
(Tokyo Univ. of Sci.¹, Ministry of Education, Culture, Sports, Sci. and Tech.²) Mariko HAYASHI¹, Hidetaka AKATSUKA¹, Keiji KAMOGAWA², Toshio SAKAI¹, Kenichi SAKAI¹, Hideki SAKAI¹, Masahiko ABE¹

- 2B-03 Photoinduced viscosity change in reversed wormlike micellar solution
(Tokyo Univ. of Sci.) Naoko AGARI, Koji TSUCHIYA, Kenichi SAKAI, Hideki SAKAI, Masahiko ABE
- 2B-04 Preparation of Highly Water-repellent Surface by Organic-inorganic Hybrid Composite
(Keio Univ.) Pascal JOLY, Akihiro KURODA, Kouichi ASAKURA
- 14:15-15:00
- 2B-05 Formation of Nano-Emulsion Using Pseudo-Sphingosine
(Kao Corp.) Masanori ORITA, Satoshi SUGAWARA, Joji OKADA, Keiichi FUKUDA, Tomohiko SANŌ
- 2B-06 Oxidative degradation of perfumes by singlet oxygen in O/W emulsion
(Toin Univ. of Yokohama) Naoki WATABE, Yoshikazu TOKUOKA, Norimichi KAWASHIMA
- 2B-07 (canceled)

September 8th (Sat) Morning: Surface Science (Property A)

9:45-10:30

- 3B-02 Phase behavior of polyglycerol lauryl ether in water and water-oil systems
(Yokohama National Univ.¹, Taiyokagaku²) Yohei MATSUMOTO¹, Hiroki TAKAHASHI², Tetsuro IWANAGA², Kenji ARAMAKI¹
- 3B-03 Electroviscous Effect in a Suspension of Charged Spherical Colloidal Particles
(Tokyo Univ. of Sci.) Hiroyuki OHSHIMA
- 3B-04 Phase Behavior of Lipophilic Polyoxyethylene Modified Silicones in Water and Water-Oil system
(Kao Corp.) Taisuke AOSAKI, Noboru NAGATANI, Ayumi SHIMPOU, Keiichi FUKUDA

10:30-11:30

- 3B-05 Lyotropic behaviors of alkyl glucosides-electrolyte-water system under freeze-concentration
(Keio Univ.) Shigesaburo OGAWA, Kouichi ASAKURA, Shuichi OSANAI
- 3B-06 Preparation and combustion properties of biomass emulsion fuel
(Kanagawa Univ.) Tatsunori MATSUMOTO, Yoko IMAI, Kazuo TAJIMA
- 3B-07 Effect of 1,2-alkanediols on the D phase gel
(Mandom Corp.) Moriaki NAGAMATSU, Hidetoshi KINOSHITA, Ayako FURUMOTO, Shu SAKUYAMA, Fumihiro OKADA, Yoshio TSUJINO
- 3B-08 Adsorption behavior of silicone onto textile surface in silicone and cationic agents systems.
(LION Corp.) Takehiko MIYAHARA, Tetsuya UNO, Naoyuki EGAWA, Hiroo MIYASAKA, Masazumi KIKUKAWA

Room C Surface Science (Property B) (1st Bld. 2 F Room 0121)

September 6th (Thu) Afternoon: Surface Science (Property B)

14:00-15:00

- 1C-01 The study of properties and applications of Sodium Di-N-Lauroyl Glutamate L-Lysine
(KOSE Corp.) Fumihiko TSUKIYAMA, Yoshikazu KONNO, Junko TOMARU
- 1C-02 Effect of the side chain of peptide-type surfactant on micelle formation
(Kanazawa Univ.) Yu MORIMOTO, Kosuke TODA, Akio OHTA, Tsuyoshi ASAKAWA, Shigeyoshi MIYAGISHI
- 1C-03 Change in solution behavior by cleavage of disulfide spacer for gemini surfactant
(Kanazawa Univ.) Yasuhiro SHIMIZU, Tsuyoshi ASAKAWA, Akio OHTA, Shigeyoshi MIYAGISHI
- 1C-04 Krafft point and rheological property of wormlike micellar solutions in water/sucrose palmitate/hydrophilic nonionic surfactant /lipophilic nonionic surfactant systems
(Yokohama National Univ.¹, Mitsubishi-kagaku foods Corp.²) Mie YAMAMOTO¹, Kaoru SHIOGUCHI², Kenji ARAMAKI¹

15:00-16:00

- 1C-05 Preparation and Properties of W/O-type Emulsion for Inkjet-ink Use
(RISO KAGAKU Corp.¹, Tokyo Univ. of Sci.²) Sadanao OKUDA¹, Takayuki SHIMIZU², Kenichi SAKAI², Hideki SAKAI², Masahiko ABE²
- 1C-06 Synthesis and Aqueous Properties of Decyl oleate based Anionic Gemini Surfactant
(Tokyo Univ. of Sci.¹, Miyoshi Oil & Fat Co. Ltd.²) Naoyuki IWATA¹, Kazuyuki Tsubone¹, Koji TSUCHIYA¹, Kenichi SAKAI¹, Hideki SAKAI¹, Masahiko ABE¹, Takashi OGAWA², Katsuyuki SUGIYAMA²
- 1C-07 Aqueous Properties of Cationic Gemini Surfactant having 2-hydroxyalkyl groups
(Tokyo Univ. of Sci.) Hironori NISHIYAMA, Kazuyuki Tsubone, Koji TSUCHIYA, Kenichi SAKAI, Hideki SAKAI, Masahiko ABE
- 1C-08 Double-bola type adsorption behavior at air/water interface of a novel polymerizable anionic gemini surfactant
(Tokyo Univ. of Sci.) Miyuki WADA, Kazuyuki Tsubone, Koji TSUCHIYA, Kenichi SAKAI, Hideki SAKAI, Masahiko ABE

16:00-17:00

- 1C-09 Transformation of triazine-thiol self-assembly and its characteristics as an emulsifier in the three-phase emulsification method
(Kanagawa Univ.) Noriyuki FUKUSHIMA, Mariko TAKAYANAGI, Yoko IMAI, Atsushi KAMEYAMA, Kazuo TAJIMA
- 1C-10 Synthesis and Properties of Quaternary Ammonium Salt-Type Surfactants with a Long Alkyl Chain
(Nara Women's Univ.¹, Showa Pharm Univ.²) Nagisa CHIBA¹, Tomokazu YOSHIMURA¹, Keisuke MATSUOKA²
- 1C-11 Study on ion-free layer at the air/aqueous electrolyte solution surface by surface tensiometry
(Tokyo Univ. of Sci.) Youichi TAKATA, Naoto KODAMA, Hiroaki TAGASHIRA, Atsushi HYONO, Hiroyuki OHSHIMA
- 1C-12 Effect of ultraviolet light treatment on characteristics of polyethylene surface - A quartz crystal microbalance simulation -
(Kyoto Univ. of Education¹, Kobe Univ. of Fashion and Design²) Keiko GOTOH¹, Yumiko TAGAWA²

September 7th (Fri) Afternoon: Surface Science (Property B)

13:30-14:15

- 2C-02 The Study on the Relationship between the Chemical Structure of Monoalkyl Cationic Surfactant and the Environmental Properties.
(Kao Corp.) Katsuhisa INOUE, Takeshi KAHARU, Masayuki YAMANE, Naohiro NISHIYAMA
- 2C-03 The Aggregation Properties of N-[3-(dimethylamino)propyl]docosamide Hydrochloric Acid Salt Aqueous Solutions.
(Kao Corp.) Takaya SAKAI, Katsuhisa INOUE
- 2C-04 The Aggregation Behaviors of Monoalkyldimethylamine Oxide in Aqueous Solutions
(Kao Corp.) Satoru KIJIMA, Takaya SAKAI, Katsuhisa INOUE

14:15-15:00

- 2C-05 Synthesis of Au nanowire by using gel structure of long-chain amidoamine derivative
(Tokyo Univ. of Sci.) Keisuke MATSUE, Hiroki SUGIMOTO, Takeshi KONDO, Takeshi KAWAI
- 2C-06 Antiadhesive treatment against sticky materials by amphiphile
(Hakuto Co.,Ltd) Osamu ARAI, Takano YAJIMA
- 2C-07 Relationship between spontaneously formed dendrite pattern by spin-coating and its water-repellency
(Keio Univ.¹, Meiji Univ.²) Naoki SHIBATA¹, Akihiro KURODA¹, Kouichi ASAKURA¹, Masayasu MIMURA²

Room D Surface Science (Synthesis), Analytical Chemistry (3rd Bld. 1F Room 0311)

September 6th (Thu) Afternoon: Surface Science (Synthesis)

14:00-15:00

- 1D-01 Synthesis of quaternary ammonium salts of alkyl phosphate and antimicrobial activity (2)
(Tokyo Univ. of Sci.¹, Kitasato Univ.²) Yumi OOTA¹, Kazuo KAWADA², Yukishige KONDO¹, Norio YOSHINO¹
- 1D-02 Synthesis and Properties of Gemini Cationic Surfactants Having Biodegradability and Chemical Recyclability
(Keio Univ.¹, Kitasato Univ.²) Taisuke BANNO¹, Kazunobu TOSHIMA¹, Kazuo KAWADA², Shuichi MATSUMURA¹
- 1D-03 Synthesis and Properties of the Carboxylate and PEG Type Tartaric Gemini Surfactants
(Kyoto Inst. of Tech.) Takeshi SUGO, Tatsuo OIDA, Tokuzo KAWASE
- 1D-04 Synthesis and properties of Gemini-type hybrid surfactants (9)
(Tokyo Univ. of Sci.) Aimi OHNO, Atsunori KUSHIYAMA, Yukishige KONDO, Norio YOSHINO
- 15:00-16:00
- 1D-05 New synthetic route to Fluorinated Gemini Surfactant.
(Kyoto Inst. of Tech.) Kazuyuki OKADA, Tatsuo OIDA, Tokuzo KAWASE
- 1D-06 Synthesis and Properties of Chemocleavable Nonionic Surfactants Bearing a 1,3-Dioxolane Ring
(OMTRI) Daisuke ONO, Hirofumi SATO, Motohiro SHIZUMA, Shingo YAMAMURA, Masaki NAKAMURA
- 1D-07 Synthesis and Characterization of Trehalose-Based Surfactants
(Keio Univ.) Mayuko MAEDA, shigesaburo OGAWA, Shuichi OSANAI
- 1D-08 Synthesis and Properties of a Cycloamylose-modified Surfactant
(Tokyo Univ. of Sci.¹, Ezaki Glico Co. Ltd.²) Yumi YOSHIZU¹, Paveena WONGTRAKUL¹, Haruyo SAMBE², Yoshinobu TERADA², Takeshi TAKAHA², Koji TSUCHIYA¹, Kenichi SAKAI¹, Hideki SAKAI¹, Masahiko ABE¹
- 16:00-17:00
- 1D-09 Micelle Formation of Poly(4-styrylmethyltriphenylphosphonium chloride)-block-polystyrene
(Toyohashi Univ. of Tech.) Tomoko NAITO, Eri YOSHIDA
- 1D-10 Micelle Formation Induced by Photolysis of a Poly(4-*tert*-butoxystyrene)-*block*-Polystyrene Diblock Copolymer
(Toyohashi Univ. of Tech.) Satoshi KUWAYAMA, Eri YOSHIDA
- 1D-11 Synthesis of bio-coupling agents supporting bone formation
(Tokyo Univ. of Sci.¹, Kanagawa Dent. College², OSAKA Univ.³) Kaori NAKAJIMA¹, Keisuke NAKAMURA¹, Katsura OOHASHI², Tomotaro NIHEI², Yukishige KONDO¹, Masahiro SAITO³, Toshio TERANAKA², Norio YOSHINO¹
- 1D-12 Synthesis of silane coupling agents having antimicrobial activity (8)
(Tokyo Univ. of Sci.¹, Kitasato Univ.²) Shigenori SUGAYA¹, Toshimitu NAKAMURA¹, Youhei YAMAGUCHI¹, Yukishige KONDO¹, Kazuo KAWADA², Norio YOSHINO¹
- 17:00-17:45
- 1D-13 Synthesis and properties of thermostable fluoroaromatic silane coupling agents (2)
(Tokyo Univ. of Sci.) Yosuke MIZUTANI, Yuta UCHIDA, Yukishige KONDO, Norio YOSHINO
- 1D-14 Detection of chiral discrimination of new chiral hosts having acyclic structure toward chiral ammonium ions using mass spectrometry
(OMTRI¹, Kansai Univ.²) Motohiro SHIZUMA¹, Hirofumi SATO¹, Daisuke ONO¹, Masaki NAKAMURA¹, Kunihide SHINDO², Ryuichi ARAKAWA²
- 1D-15 Preparation and Properties of Mono-Dispersed Linear Polyglycerin Nonionic Surfactants
(Kyoto Inst. of Tech.) Hideaki MAEBA, Tatsuo OIDA, Tokuzo KAWASE

September 7th (Fri) Afternoon: Analytical Chemistry

13:30-14:15

- 2D-02 Improvement of Sphingomyelin Analysis by TLC-Lipid Phosphorus Determination Method
(Japan Food Research Laboratories) Noriko SHIONOYA, Mayumi KITANO, Hirofumi GOTO, Tomoji IGARASHI, Yoshiaki HIRATA
- 2D-03 Novel silver ion high-performance liquid chromatographic column for separation of lipids

- (Kanto Chemical Co. Inc.) Nobuyuki OHTAKI, Kazunori YOSHINO
- 2D-04 Characteristic of highly sensitive assay for plasmalogens (125I-HPLC method)
(ADEKA Co.¹, Teikyo Univ. School of Med.²) Yuuya YAMAZAKI¹, Tooru NEZU¹, Ryouta MAEBA²
- 14:15-15:00
- 2D-05 Determination of coenzyme Q10 in eggs by HPLC-ECD
(Japan Inst. for Oils & Fats & Foods Inspection¹, Saga Univ.²) Takeshi YAMAGAMI¹, Kenji CHIMI¹,
Takenori MARUYAMA¹, Teruyoshi YANAGITA²
- 2D-06 The analysis components for skin barrier function - Sebum analysis focusing on fatty acid composition by pyrolysis-gas
chromatography/mass spectrometry-
(KOSE Corp.) Yoshiko HONDA, Junko YASUDA, Rie ITOU
- 2D-07 10-Hydroxy-octadec-12-enoic Acid in Rice Bran Oil
(Osaka Pref. Univ.) Kouhei YAMAMOTO, Akemi KINOSHITA, Akira SHIBAHARA

Room E Organic Chemistry, Petro Chemistry, Oil and Fat Chemistry (3rd Bld. 1F Room 0313)

September 6th (Thu) Afternoon: Organic Chemistry, Petro Chemistry, Oil and Fat Chemistry

14:00-14:30

- 1E-01 Mesoionic ionic liquids
(Nagoya Inst. of Tech.) Tsunehisa HIRASHITA, Yoshihito TAKAMI, Yuki KAKUMI, Shuki ARAKI
- 1E-02 Novel Acylation Using alpha-Nitro-beta-keto Ester
(Osaka Univ.¹, Osaka Kyoiku Univ.²) Yumi NAKAIKE¹, Yoshito TOBE¹, Nagatoshi NISHIWAKI²,
Masahiro ARIGA²

14:30-15:00

- 1E-03 Cosmetics utility evaluation of safflower petal
(Kinki Univ.¹, Soma Co.Ltd.²) Maemi ITO¹, Kazuki IKUSHIMA¹, Yoshiyuki YOKOYAMA¹, Kana
MIZUNO¹, Ryouzuke AIZAWA¹, Akiko NAKABAYASHI¹, Kazuhiro TAKAHASHI², Takashi YAMAGUTHI²,
Akiyoshi SAWABE¹
- 1E-04 Search of functional ingredients in *Aplysia dactylomela*
(Kinki Univ.) Naoki OJIMA, Maemi ITOU, Sadao KOMEMUSHI, Akiyoshi SAWABE

15:00-16:00

- 1E-05 Fractionation and Utilization of Unsaponifiable Components Contained in Rice Bran Oil
(Seikei Univ.¹, Boso Oil and Fat Co. Ltd.²) Naoko SUGIHARA¹, Takahiro NAKAMURA², Teruyuki
NAKANO², Hisao IGUSA², Yoichiro TOTANI¹, Setsuko HARA¹
- 1E-06 Determination and Utilization of γ -Oryzanol Contained in Rice Bran Oil
(Seikei Univ.¹, Boso Oil and Fat Co. Ltd.²) Ayano YOSHIE¹, Takahiro NAKAMURA², Hisao IGUSA²,
Yoichiro TOTANI¹, Setsuko HARA¹
- 1E-07 Triterpene Alcohols and Sterols from the Non-saponifiable Lipids of Shea Butter
(Nihon Univ.¹, World Agroforestry Center²) Nobuo KOJIMA¹, Toshihiro AKIHISA¹, Makoto FUKATU¹,
Motohiko UKIYA¹, Eliot T. MASTERS²
- 1E-08 Physical properties of organogels using plant waxes and vegetable oils
(Hiroshima Univ.¹, Minnesota Univ.²) Lakmali Samuditha K. DASSANAYAKE¹, Satoru UENO¹, Kiyotaka
SATO¹, Dharma R. KODALI²

16:00-16:45

- 1E-09 Retardation of oxidation of fish oil by interfacial crystal layers in O/W emulsion droplets including Palm Stearin
(Hiroshima Univ.) Hiromu SAKAKI, Satoru UENO, Kiyotaka SATO, Shintaro IDE, Kazuo MIYASHITA
- 1E-10 Oxidation of linoleic acid in O/W nanoemulsion encapsulated with maltodextrin by spray-drying
(Kyoto Univ.) Risa NAKAZAWA, Motohiro SHIMA, Shuji ADACHI
- 1E-11 Kinetic Analysis for β -Carotene Oxidation in Liposome System in the Presence of Antioxidants
(Tohoku Univ.) Masahiko MURAKAMI, Hiroyuki NAKABAYASHI, Naomi KITAKAWA, Toshikuni
YONEMOTO

16:45-17:45

- 1E-12 Preventive Effect of Carotenoid and Polyphenols on Photo-oxidation of Oils
(Seikei Univ.) Rena SAKURAI, Yoichiro TOTANI, Setsuko HARA
- 1E-13 Evaluation of functionality of hydrolyzed phospholipids
(Tokyo Univ. of Marine Sci. & Tech.¹, Yamano College of Aesthetics²) Masaaki NISHIHARA¹, Mituyoshi MIYATA¹, Masazumi KAMATA², Tomoyuki KOYAMA¹, Kazunaga YAZAWA¹
- 1E-14 Preparation and Characterization of Structured Phospholipids
(Seikei Univ.) Naosuke SUMI, Setsuko HARA, Yoichiro TOTANI
- 1E-15 Enzymatic synthesis and characterization of 12-hydroxystearate based copolyester directed towards biodegradable elastomer
(Keio Univ.) Hiroki EBATA, Kazunobu TOSHIMA, Shuichi MATSUMURA

September 7th (Fri) Afternoon: Oil and Fat Chemistry

13:15-14:15

- 2E-01 Trans fatty acid content in recent margarines marketed in USA, Canada, and Japan
(Japan Inst. for Oil & Fats & Food Inspection¹, Kyushu Univ.²) Ruriko SUGAHARA¹, Takahisa OKAMOTO¹, Kenji CHIMI¹, Takenori MARUYAMA¹, Michihiro SUGANO²
- 2E-02 Carbonyl Compounds Vaporize from Oil with Steam during Deep-Frying
(National Univ. of Mongolia¹, Kobe-Gakuin Univ.²) Munkhjargal Burenjargal¹, Yuko Ojiri², Mika Ono², Nagao Totani²
- 2E-03 Heat Deterioration of Frying Oils and Its Prevention
(Seikei Univ.) Yuri OKUYAMA, Yoichiro TOTANI, Setsuko HARA
- 2E-04 Oxidation character of triglyceride molecular species containing DHA
(Tokyo Univ. of Marine Sci. & Tec.¹, Tsukushima Foods Industry Co. Ltd.²) Yosuke NOGUCHI¹, Naohiro GOTOH¹, Akiko ISHIIHARA¹, Toshiharu NAGAI², Shigeru TOKAIRIN², Koichi TSURUMI², Shun WADA¹

14:15-15:00

- 2E-05 Preparation and Characterization of Conjugated Polyenoyleglycerols
(Seikei Univ.) Ayato KANDA, Yoko KUGE, Yoichiro TOTANI, Setsuko HARA
- 2E-06 Effect of α -Linolenic Acid on Systolic Blood Pressure in Spontaneously Hypertensive Rats
(The Nisshin Oil Co. Ltd.) Seiji SEKINE, Shiho SASANUKI, Toshiaki AOYAMA, Hiroyuki TAKEUCHI
- 2E-07 Catalytic transesterification of soybean oil with methanol using calcium oxide as a solid base
(JST-KFPT Core Research Center¹, Shiraishi Kogyo Kaisha, Ltd.², Doshisha Univ.³) Masato KOUZU¹, Takekazu KASUNO², Masahiko TAJIKA², Shinya YAMANAKA³, Jusuke HIDAKA³

September 8th (Sat) Morning: Oil and Fat Chemistry

9:30-10:30

- 3E-01 Crystallization behavior of Palm Oil -Effect of sucrose ester in O/W emulsion-
(Miyoshi Oil & Fat Co. Ltd.¹, Tokyo Univ. of Sci.²) Yumi MIKIYA¹, Hisaaki KAWASHIMA¹, Takashi ISHIGURO¹, Keizou OGINO²
- 3E-02 Control of crystallization in dispersing semi-solid fats O/W emulsion
(Hiroshima Univ.) Masanori KAWAHARA, Satoru UENO, Kiyotaka SATO
- 3E-03 The effect of additives on the stability of PMF-in-water emulsion at low-temperature
(Hiroshima Univ.¹, Mitsubishi Chem. Co.²) Sachiko MURAKAMI¹, Satoshi ARIMA², Akihiro OGAWA², Satoru UENO¹, Kiyotaka SATO¹
- 3E-04 Crystallization Mechanism of Two Dimensional Spherulite of Trilaurin
(Hiroshima Univ.) Takefumi NISHIDA, Satoru UENO, Kiyotaka SATO

10:30-11:30

- 3E-05 Effect of crystallization states of cocoa butter on anti-bloom properties of chocolate

- (Hiroshima Univ.) Chika YAMAMOTO, Kiyotaka SATO, Satoru UENO, Tetsuo KOYANO, Hiroyuki UTSUNOMIYA, Daisuke WATANABE, Fumika KUNIKATA
- 3E-06 Polymorphism of conjugated linoleic acid crystals
(The Nisshin OilIIO Group, Ltd.¹, Hiroshima Univ.², Hokkaido Univ.³) Hidetaka UEHARA¹, Tomomi SUGANUMA¹, Satoru NEGISHI¹, Satoru UENO², Kiyotaka SATO², Yukihiko UDA³, Yoshinori FURUKAWA³
- 3E-07 Polymorphism of miscible system of medium-long chain triacylglycerol and cocoa butter
(Hiroshima Univ.¹, The Nisshin OilIIO Group, Ltd.²) Soutarou KAWAKAMI¹, Hidetaka UEHARA², Shin ARIMOTO², Satoru NEGISHI², Satoru UENO¹, Kiyotaka SATO¹
- 3E-08 Phase behavior of the binary mixture of POP-OPO in an organic solvent
(Hiroshima Univ.¹, Rohto Pharm. Co.²) Satoru UENO¹, Rumi MIYAMOTO², Eriko IKEDA¹, Kiyotaka SATO¹

Room F Environmental Chemistry, Biochemistry, Biotechnology (3rd Bld. 2F Room 0321)

September 6th (Thu) Afternoon: Environmental Chemistry, Biochemistry, Biotechnology

14:00-14:45

- 1F-01 Photocatalytic degradation of pollutants in water with a large solar-reactor
(Meisei Univ.) Ippei YANAGISAWA, Masashi TAKEUTI, Atushi OKAZAKI, Takayoshi KOIKE, Toshiyuki OYAMA, Hisao HIDAHA
- 1F-02 Photoinduced dehalogenations and mineralization of fluoro/chloro benzoic acid derivative in aqueous TiO₂ dispersion
(Meisei Univ.) Hisao HIDAHA, Takayoshi KOIKE, Haruo HONJO, Toshiyuki OYAMA
- 1F-03 Surface activity of sulfophenyl carboxylates
(Yokohama National Univ.) Yusuke ISHIKAWA, Hideki OYAMA, Hiroyuki OTANI, Masaru OYA

14:45-15:45

- 1F-04 Antioxidative behavior of fucoxanthin and its metabolites
(Hokkaido Univ.) Nakkarike Manjabat SACCINDRA, Hayato MAEDA, Masashi HOSOKAWA, Kazuo MIYASHITA
- 1F-05 Antioxidant properties of seaweed residue from agar industry
(Hokkaido Univ.) Made Airanthi Kusuma W. A., Nakkarike Manjabat SACCINDRA, Masashi HOSOKAWA, Kazuo Miyashita
- 1F-06 Potent inhibitor effect of *cis*-carotenoid on the growth of human cancer cells
(Hokkaido Univ.¹, Osaka City Univ.²) Yuuto NAKAZAWA¹, Tokutake SASHIMA¹, Hideki HASHIMOTO², Masashi HOSOKAWA¹, Kazuo MIYASHITA¹
- 1F-07 Regulation of adipocytokine expression by fucoxanthin
(Hokkaido Univ.) Tatsuya MIYASHITA, Masashi HOSOKAWA, Kazuo MIYASHITA

15:45-16:45

- 1F-08 Fucoxanthin enhances the amount of DHA in the liver of C57BL/6J mice
(Hokkaido Univ.) Takayuki TSUKUI, Masashi HOSOKAWA, Kazuo MIYASHITA
- 1F-09 Vitamin E relative activity of Marine-derived Tocopherol (MDT) and α -tocomonoenol
(Tokyo Univ. of Marine Sci. & Tec.¹, Kochi Women's Univ.², Nippon Suisan Kaisha, Ltd.³) Naohiro GOTOH¹, Hiroyuki WATANABE², Daisuke MASHIMO¹, Tomiko OKA¹, Nobushige DOISAKI³, Shun WADA¹
- 1F-10 Anti-angiogenic effect of conjugated linolenic acid
(Miyagi Univ.) Tsuyoshi TSUZUKI
- 1F-11 Comparison of physiologic activities of n-3docosapentaenoic, eicosapentaenoic and docosahexaenoic acids in rat
(Tohoku Univ.¹, Tokyo Univ. of Tech.², Nippon Suisan Kaisha, Ltd.³) Shoko TAKAHASHI¹, Ikuo IKEDA¹, Yasushi ENDO², Nobushige DOIZAKI³, Hideaki YAMAGUCHI³

16:45-17:30

- 1F-12 Cytotoxic Effects of Flavonoids and Coumarins Isolated from Ashitaba (*Angelica keiskei*) on Malignant Melanoma and Leukemia Cell Lines

- (Nihon Univ.) Masatoshi NIHEI, Hisashi NAGAI, Takashi KIKUCHI, Yoko NAGATA, Keiichi TABATA, Takashi SUZUKI, Toshihiro AKIHISA
- 1F-13 Apoptosis Induction Activity of 3-*O-trans-p*-Coumaroyltormentonic acid on Melanoma and Leukemia Cell Lines.
(Nihon Univ.) Takashi KIKUCHI, Toshihiro AKIHISA, Masatoshi NIHEI, Toshihiro MOTOI, Yoko NAGATA, Katsushi NISHIMURA, Makoto FUKATSU, Keiichi TABATA, Takashi SUZUKI
- 1F-14 Metabolism of (-)-camphor using human liver microsomes
(Kinki Univ.) Yuuki YAMAMURA, Yohei OMAE, Kunihiko GYOUBU, Mitsuo MIYAZAWA

September 7th (Fri) Afternoon: Biochemistry, Biotechnology

13:15-14:00

- 2F-01 Influence of the matrix in positive ion mode FAB/MS of sphingophosphonolipids 2.
(Kansai Lipid Inst.¹, Kinki Univ.²) Hideki KISHINE¹, Masanori MORITA², Akira HAYASHI¹
- 2F-02 Structural Elucidation of Sphingomyelin from the Ascidians
(Ritsumeikan Univ.¹, Shiga Univ.²) Kazuhito YOKOI¹, Takashi INOUE¹, Rei HATANNO¹, Shougo ASANO¹, Saki ITONORI², Mutsumi SUGITA², Masahiro ITO¹
- 2F-03 Effect of phytosterol ester and phosphatidylserine on stability of marine phospholipid liposome
(Hokkaido Univ.) Hiroko DEGUCHI, Kazuhiko IWAKURA, Koretaro TAKAHASHI

14:00-15:00

- 2F-04 Continuous synthesis of fatty acid esters of xylitol by immobilized lipase in subcritical acetone
(Kyoto Univ.) Norihisa IWAMOTO, Motohiro SHIMA, Shuji ADACHI
- 2F-05 Production of phospholipids containing terpenes mediated by phospholipase D and their biofunctional activity
(Hokkaido Univ.) Yukihiro YAMAMOTO, Masashi HOSOKAWA, Kazuo MIYASHITA
- 2F-06 (canceled)
- 2F-07 Characterization of purified phospholipase A₁ from *Moritella* sp.
(Tokyo Univ. of Marine Sci. and Tech.¹, Yamano College of Aesthetics²) Jun IWASAKI¹, Masaaki NISHIHARA¹, Junji NOHARA¹, Masazumi KAMATA², Tomoyuki KOYAMA¹, Kazunaga YAZAWA¹

September 8th (Sat) Morning: Biochemistry, Biotechnology

9:30-10:30

- 3F-01 Rice Based Ceramide Promote Stronger Barrier Function: An improvement of Ceramide Ration in Stratum Comeum of the Skin
(Ichimaru Phatcos Co. Ltd.) Makoto TSUBOI, Yuka TSUDA, Tatsuji TAKAHASHI, Kanae WAKAMATSU
- 3F-02 Composition of sphingolipid and increase of free ceramide by autolysis in lactic yeast *Kluyveromyces lactis* M-11
(Obihiro Univ. of Agri. and Vet. Med.¹, National Agri. Research Center for Hokkaido Region², Yotsuba Milk Products Co. Ltd.³) Ayakoi KIKUCHI¹, Keita YUNOKI¹, Naoya TAKAKUWA², Ikichi ARAI¹, Hidemasa MOTOSHIMA³, Yuji ODA¹, Masao OHNISHI¹
- 3F-03 The analysis of microbial community in fat-degrading process by DGGE (denaturing gradient gel electrophoresis)
(Nagasaki Univ.¹, Nagasaki Pipe Cleaning Industry Co. Ltd.²) Kazuyuki IMAGAWA¹, Yasuhiro TABIRA¹, Hiroshi EGUCHI¹, Wataru MURAOKA¹, Yoshimasa MATSUMURA², Takehiro TAKEMASA¹
- 3F-04 Synthesis of Triphenylamine Derivative with Polymerizable Substituent and its Application as a Reactive Oxygen Sensor
(Tokyo Univ. of Sci.) Masaki SHITARA, Hidenori MURATA, Makoto YUASA

10:30-11:30

- 3F-05 Synthesis of Polythiophene 3-Substituted with Imidazole and its Application to Reactive Oxygen Sensor
(Tokyo Univ. of Sci.) Tetsuya AOKI, Hidenori MURATA, Makoto YUASA
- 3F-06 Selective productions of different derivatives of mannosylerythritol lipids as biosurfactants by yeast strains of the genus *Pseudozyma*
(AIST) Masaaki KONISHI, Tomotake MORITA, Tokuma FUKUOKA, Tomohiro IMURA, Dai KITAMOTO
- 3F-07 Production and Properties of novel types of glycolipid biosurfactants

(AIST) Tokuma FUKUOKA, Tomotake MORITA, Masaaki KONISHI, Tomohiro IMURA, Dai KITAMOTO

- 3F-08 The effect of glycolipid biosurfactant structure on their binding affinities toward immunoglobulin G
(Tokyo Univ. of Sci.¹, AIST²) Yuma MASUDA¹, Seya ITO¹, Tomohiro IMURA², Tokuma FUKUOKA²,
Tomotake MORITA², Hideki SAKAI¹, Masahiko ABE¹, Dai KITAMOTO²

Room H Poster Session (Daigaku Kaikan 2F)

September 7th (Fri) 11:00-13:00

- P-01 Antioxidative activities of the phenolic compounds related to resveratrols
(Tokyo Gakugei Univ.) Saori YAMAMOTO, Yasuomi TAKIZAWA, Yutaka ISHIGAMI, Yoshito GOHARA
- P-02 Antioxidant and Positional Distribution of Fatty Acids in Sesame Seeds (*Sesamum indicum*)
(Kobe Gakuin Univ.) Yuka TOMIYAMA, Megumi TANAKA, Yoshiyuki MIZUSHUNA, Hiromi YOSHIDA
- P-03 Regio-Specific Fatty Acid Composition of Seven Kind of African Shea Butter
(Nihon Univ.¹, World Agroforestry Center²) Etsuyo KANEKO¹, Keisuke KATOU¹, Naoko KATOU¹, Miyuki KUME¹, Eliot T. MASTERS², Toshihiro AKIHISA¹, Makoto FUKATSU¹
- P-04 Separation and Structural Determination of the Polyphenols in Pseudocereal Quinoa cultivated in Yamanashi region
(Univ. of Yamanashi¹, Pref. Office of Yamanashi²) Yuko HIROSE¹, Toshiyuki ISHII², Mamoru TAKEOKA²
- P-05 Anti-oxidation effect of Roasted Rice Bran Extract • Roasted Soybean Extract
(Okuno Chemical Industries Co. Ltd.¹, Koshien Univ.²) Kiyotaka WADA¹, Takahiro GOTO²
- P-06 Cucurbitane-type triterpene glycosides from the fruits of *Momordica charantia* L. and their cancer chemopreventive effect
(Nihon Univ.¹, Kyoto Pref. Univ. of Med.²) Hiroyuki AKAZAWA¹, Toshihiro AKIHISA¹, Naoki HIGO¹, Harukuni TOKUDA², Motohiko UKIYA¹, Yumiko KIMURA¹, Takashi SUZUKI¹
- P-07 Synthesis of C₂-Symmetric Chiral Crown Ether by Lipase-Catalyzed Alcoholysis Reaction
(Osaka Inst. of Tech.) Misako NAKAMURA, Masahiro MURAOKA, Yohji NAKATSUJI
- P-08 Glucosylation of ferulic acid and its analogues via regioselective deacetylation with Novozym 435
(Meiji Univ.) Masaaki KEMMOTSU, Kenichi JOHMOTO, Tetsuo MIYAKOSHI
- P-09 Mesomorphic and Emission Properties of Liquid Crystals Having a 7-(Diethylamino)-3-phenylcoumarin Core
(Health Sci. Univ. of Hokkaido¹, Kyushu Univ.²) Kanji KUBO¹, Haruko TAKECHI¹, Hajime TAKAHASHI¹, Taisuke MATSUMOTO²
- P-10 Synthesis of coumarin derivatives catalysed by apatite
(Meiji Univ.) Misaki HASHIBA, Takeo KURATA
- P-11 Preparation and Characterization of composite photocatalyst of TiO₂ and Metal Oxide
(Musashi Inst. of Tech.) Hirotaka NATORI, Masashi TAKAHASHI, Kouichi KOBAYASHI
- P-12 Synthesis of menthone with solid acid catalyst via one-pot reaction
(Meiji Univ.) Kumiko KONDOU, Takeo KURATA
- P-13 Synthesis of Heterocycles from Olefins and Amides Using *t*-BuOI
(Osaka Univ.¹, Anan National College of Tech.²) Satoshi MINAKATA¹, Toshihiro IDE¹, Mitsuo KOMATSU²
- P-14 Preparation of 3-alkoxy-1,2-propanediols from glycerol
(Osaka Inst. of Tech.¹, Lion Corp.²) Araki MASUYAMA¹, Hayato NISHINAKA¹, Megumi KOBAYASHI¹, Nobuyuki YAMAMOTO², Masanori KOMATSU²
- P-15 Synthesis and Fluorometric Sensing of Monoaza Lariat Ethers with Pyrene Ring
(Osaka Inst. of Tech.) Eri NAKANO, Masahiro MURAOKA, Yohji NAKATSUJI
- P-16 Selective Removal of Chlorinated Aromatic Compounds in Oils by Cyclodextrin Derivatives
(Osaka Univ.¹, NEOS Co.²) Yoshinori FUJINO¹, Akira KIKUZAWA¹, Toshiyuki KIDA¹, Kazuhiro MIYAWAKI², Eiichi KATO², Mitsuru AKASHI¹
- P-17 Accumulation of Au nanoparticles modified with triazine dithiol containing amino group using macromolecules

- (Kanagawa Univ.) Atsushi KAMEYAMA, Yoichi TERATAKE
- P-18 Synthesis and Ion Recognition of Amphiphilic C-Pivot Monoaza Lariat Ethers
(Osaka Inst. of Tech.) Masahiro MURAOKA, Yohji NAKATSUJI
- P-19 Synthesis and Properties of Green Surfactant Builder Containing Fumarate Oligomer
(Keio Univ.) Yu OKADA, Taisuke BANNO, Kazunobu TOSHIMA, Shuichi MATSUMURA
- P-20 (canceled)
- P-21 Micelle Formation of Polystyrene-block-Poly(4-tert-butoxystyrene) and Its Derivatives
(Toyohashi Univ. of Tech.) Tomoyuki EMA, Eri YOSHIDA
- P-22 A novel synthesis for phosphonate type surfactants starting from phosphonoacetate
(Kyoto Inst. of Tech.) Michiko KAIZUKA, Tatsuo OIDA, Tokuzo KAWASE
- P-23 Synthesis of Ammonium Gemini Surfactant Starting from Nitroalkene
(Kyoto Inst. of Tech.) Shinji OHARA, Miyuki SAKAI, Tatsuo OIDA, Tokuzo KAWASE
- P-24 Novel synthesis of *N*-acyl taurine type surfactant and its Gemini
(Kyoto Inst. of Tech.) Yumi NAKANO, Tatsuo OIDA, Tokuzo KAWASE
- P-25 Novel Oxidation with Nitric Acid - Sodium Nitrite for the Synthesis of Gemsurf
(Kyoto Inst. of Tech.¹, Chukyo Yushi Co. Ltd.²) Ayumi OKUMURA¹, Kenichi ARATANI², Tatsuo OIDA¹, Tokuzo KAWASE¹
- P-26 Interfacial Behavior of Perfluorinated Anionic Surfactants with Divalent Counterion of Separate Electric Charges
(Kyushu Univ.¹, Nagasaki International Univ.²) Jyunya MASUDA¹, Hiromichi NAKAHARA¹, Yoshikiyo MOROI¹, Osamu SHIBATA²
- P-27 CMCs and micellar compositions of the binary system of alkyltrimethylammonium bromide and sulfate
(Kyushu Kyoritsu Univ.¹, Oita Univ.²) Hideo AKISADA¹, Junko KUWAHARA¹, Toshio NAKASHIMA², Hiroki SAKUMOTO¹, Tatsuo NAKATA¹, Jun KOGANEMARU¹, Keishi TAKEHARA¹, Ayumi HASHIGUCHI², Nana MORITAKE²
- P-28 Solution behavior of dissymmetric gemini surfactant generated by disulfide exchange
(Kanazawa Univ.) Hirotaka TANGO, Tsuyoshi ASAKAWA, Akio OHTA, Shigeyoshi MIYAGISHI
- P-29 Solubilization of *n*-Alkylbenzenes into Nonionic Surfactant (MEGA-10) Micelles
(Daiichi Univ., College of Pharm. Sci.¹, Kyushu Univ.²) Risa KOBAYASHI¹, Ryo TANAKA¹, Shohei NAKAMURA¹, Teruyo YAMASHITA¹, Konomi MOTOMURA², Yoshikiyo MOROI^{1,2}
- P-30 Structural Change of Bovine Serum Albumin in the Mixed System of Zwitterionic and Ionic Surfactants
(Okayama Univ. of Sci.) Yoshiko MORIYAMA, AZAIMA RAZALI, Kunio TAKEDA
- P-31 Morphology of the Water Droplet including High-concentrated Surfactant formed by Coacervation
(Daiichi Univ., College of Pharm. Sci.) Yukie MIYAMATSU, Shohei NAKAMURA, Teruyo YAMASHITA
- P-32 Preparation of ointment base by surfactant assembly
(Nihon Univ.) Nao TAMAKI, Kaname HASHIZAKI, Hiroyuki TAGUCHI, Yoshihiro SAITO
- P-33 (canceled)
- P-34 Specific morphologies of quaternary and ternary systems of ganglioside GT1b / phospholipid monolayers containing phosphatidylinositol and cholesterol
(Kyushu Univ. Health and Welfare) Isao OHTSUKA, Shoko YOKOYAMA
- P-35 Effect of salt on the adsorption behavior of ionic surfactant
(Tokyo Univ. of Sci.) Hiroaki TAGASHIRA, Atsushi HYONO, Youichi TAKATA, Hiroyuki OHSHIMA
- P-36 Amplification of Dopamine Oxidation current in the presence of ascorbic acid at surface modified diamond electrodes
(Tokyo University of Sci.¹, Kanagawa Academy of Sci. and Tech.²) Junichi IMAI¹, Yu NIWANO¹, Takeshi KONDO¹, Akira FUJISHIMA², Takeshi KAWAI¹
- P-37 Preparation of titania nanotube thin films by Langmuir-Blodgett technique
(Musashi Inst. of Tech.) Masashi TAKAHASHI, Yuichi OKADA, Koichi KOBAYASHI
- P-38 Preparation of Palladium Nanoparticles Using Sugar Ester Reverse Micelle
(Tokyo Metropolitan Univ.¹, Dai-Ichi Kogyo Seiyaku Co.²) Hidetaka NORITOMI¹, Kenji KAGITANI¹, Yasutaka MURATSUBAKI², Satoru KATO¹
- P-39 Kinetics of flocculation of PSL particle -effects of ionic strength and molecular weight-

- (Tsukuba Univ.) Yasuhisa ADACHI, Kenji AOKI
- P-40 Study on the kinetics of Brownian coagulation of colloidal suspension
(Univ. of Tsukuba) Yasuyuki KUSAKA, Tomonori FUKASAWA, Yasuhisa ADACHI
- P-41 Thermal diffusivity of calcium stearate by Fourier transform temperature wave analysis
(Tokyo Inst. of Tech.) Junko MORIKAWA, Hideyuki TAKAHASHI, Toshimasa HASHIMOTO
- P-42 Transfer and Partition of the Bile acid at the Oil/Water Interface
(Daiichi Univ., College of Pharm. Sci.) Ryo OHNO, Shohei NAKAMURA, Teruyo YAMASHITA
- P-43 Novel emulsifying method with random copolymer of polyoxyethylene / polyoxypropylene, sterol surfactant, and polar oil
(Shiseido Co. Ltd.) Takashi OKA, Reiji MIYAHARA, Yasunari NAKAMA
- P-44 (canceled)
- P-45 A Mechanism of stabilization for W/O emulsions by a novel combination of polyglycerin fatty acid esters and organo clay minerals
(COSMOS Technical Center CO. LTD.) Sayaka NAKAGAWA, Kinka RI, Satoru HASHIMOTO, Hitoshi MASAKI
- P-46 Mechanism of Emulsification Using Cyclodextrin Derivatives
(Nihon Univ.) Motoki INOUE, Kaname HASHIZAKI, Hiroyuki TAGUCHI, Yoshihiro SAITO
- P-47 Properties and Improvements for Pharmaceutical-compatibility of Microemulsion-based-organogels formed by Sodium Dodecyl Sulfate
(Nagoya City Univ.) Isamu MIYATA, Kyouko TAKEUCHI, Masakatsu YONESE
- P-48 Controlling for drug loading and releasing of PLGA particles containing hydrophilic drug prepared with membrane emulsification technique
(Tokyo Univ. of Sci.) Fuminori ITO, Hiroyuki FUJIMORI, Hiroyuki HONNAMI, Kimiko MAKINO
- P-49 Lipid and fatty acids of wild sweet smelt *Plecoglossus altivelis*
(National Inst. of Fisheries Sci.¹, Kochi Pref. Freshwater Fisheries Center²) Hiroaki SAITO¹, Masaya OKABE²
- P-50 Separation of trans fatty acids from cis one by HPLC method
(National Food Research Inst.) Wakako TSUZUKI, Kaori USHIDA, Akiko MATSUOKA
- P-51 Fiscal Year 2006 Report of the Food Safety Commission Cabinet Office, Government of Japan on Fundamental Data for evaluating Trans fatty Acids Contents in Foods
(Contractor: Japan Food Research Laboratories) Noriko SHIONOYA, Kaori ODA, Junko KITADA, Tomoko ITO, Marie SABA, Yasunari NAKAYABU, Hirofumi GOTO, Tomoji IGARASHI, Yoshiaki HIRATA
- P-52 Sensory analysis of oils & fats using an Electronic Nose
(Primetech Corp¹, Alpha M.O.S.²) Koichi YOSHIDA¹, Jean-Christophe MIFSUD²
- P-53 Advanced Treatment System of the Wastewater by the Activated Sludge Process with the Electrolysis
(Tohoku Bunka Gakuen Univ.) Michiko KIMURA
- P-54 Components of essential oils from *Cacalia delphinifolia* and *Cacalia hastata* L var. *orientalis*
(Kinki Univ.) Junichi KAWATA, Takayuki BABA, Mitsuo MIYAZAWA
- P-55 Mechanism of heme crystallization by malarial parasite
(Kyoto Inst. of Tech.) Yusuke SHIMA, Atsushi MAEDA, Motohiro SASAI, Tien Huy NGUYEN, Tatsuo OIDA, Thanh Uyen DINH, Thanh Thuy Nhien NGUYEN, Takeshi SHIONO, Shigeharu HARADA, Kaeko KAMEI
- P-56 Occurrence of Sphingomyelin in the Brine Shrimp *Artemia* Sp. (Crustacea Arthropoda)
(Shiga Univ.¹, Ritsumeikan Univ.²) Hisao KOJIMA¹, Kanae SHIMIZU¹, Ayako HIGASHINO¹, Masahiro ITO², Saki ITONORI¹, Mutsumi SUGITA¹
- P-57 Moisturizing Effect of Triacyl MEL, Yeast Extracellular Glycolipids, on Cultured Human Skin Model
(Toyobo Co. Ltd.¹, AIST²) Masaru KITAGAWA¹, Tokuma FUKUOKA², Michiko SUZUKI¹, Syuhei YAMAMOTO¹, Atsushi SOGABE¹, Tomotake MORITA², Dai KITAMOTO²
- P-58 Effects of phospholipids on intestinal absorption of coenzyme Q10

- (National Food Research Inst.¹, Asahi Kasei Pharma²) Akihiko NAGAO¹, Megumi HASE¹, Kazumasa OTSUBO²
- P-59 Solubilization of lutein and beta-carotene for delivery to HepG2 cells and their antioxidant activity
(National Food Research Inst.) Irwandi JASWIR, Akihiko NAGAO
- P-60 Effects of Plant sterol-Egg yolk lipoprotein complex on the lipid metabolism in Rats.
(Q.P. Corp.) Ayano MUTO, Ryosuke MATSUOKA, Ryosuke HOSHINA, Mamoru KIMURA, Yasunobu MASUDA
- P-61 Significance of *LAC1* gene in glucosylceramide production by the yeast *Kluyveromyces lactis*
(National Agri. Research Center for Hokkaido Region¹, Obihiro Univ. of Agri. and Vet. Med.²) Naoya TAKAKUWA¹, Katsuiichi SAITO¹, Masao OHNISHI², Yuji ODA²
- P-62 Genetic modification of fatty acid composition of membrane lipids in eicosapentaenoic acid-producing bacterium
(AIST¹, National Research Inst. of Fisheries Sci.²) Naoki MORITA¹, Yutaka YANO², Satoru OHGIYA¹
- P-63 Biotransformation of *p*-menthane monoterpenoids by the larvae of common cutworm (*Spodoptera litura*)
(Kinki Univ.) Yuki HAGIWARA, Haruki KANO, Mitsuo MIYAZAWA