
Poster Presentations

Room 1201

November 12th 16:00-17:30

Obligation Time

Odd number: 16:00-16:45

Even number: 16:45-17:30

- P01 On the Effect of Dyeing-resistant Paste Material for CHUSEN
Tatsuya Morita¹, Toshiaki Yamazaki¹, Yusuke Suzuki¹, Kazuyuki Suzuki¹, Masakazu Muto²
¹Industrial Research Institute of Shizuoka Prefecture, ²Mutosenko Co., Ltd.
- P02 Quick Coloration of Wool Fibers Using Glucose Oxides
Takeru Ohe, Yurika Yoshimura
Osaka Research Institute of Industrial Science and Technology
- P03 Supercritical carbon dioxide pretreatment and dyeing of cellulose/PET fabrics
Satoko Okubayashi¹, Heba Ghanayem^{1,2}
¹Kyoto Institute of Technology, ²Damietta University
- P04 Synthesis, absorption and fluorescence properties of anthraquinone boron complexes
Yasuhiro Kubota, Yuka Mizuno, Hiroki Akada, Kazumasa Funabiki, Masaki Matsui
Gifu University
- P05 An experimental evaluation of stabilization and consolidation treatment for black dyed textiles
Moe Sato¹, Rikako Oishi², Takahiro Uesaka³, Satoko Okubayashi²
¹The Kyoto Costume Institute, ²The Kyoto Institute of Technology, ³Kyoto Municipal Institute of Industrial Technology and Culture
- P06 Dyeing and Antibacterial Processing by Using Electrospray
Hiroyuki Inoue¹, Tomoyoshi Shintani¹, Manami Yatsuzuka¹, Hitomi Kobara², Kazuhiko Kobayashi³, Takao Yamada⁴, Eita Saito⁵, Akihiro Wakisaka²
¹Ehime Institute of Industrial Technology, ²National Institute of Advanced Industrial Science and Technology(AIST), ³APIC YAMADA CORPORATION, ⁴YAMADA Co., Ltd., ⁵Saiei Orimono Co., Ltd
- P07 Comparison of characteristic change of PET fibers between water-based dyeing and supercritical fluid dyeing
Gyoyoung Lee, Sam Soo Kim, Jaewoong Lee
Yeungnam University
- P08 Surface property of Hydrocarbon Immobilized Cotton Fiber by Atomic Force Microscopy
Sawako Shibata¹, Masato Yoshida², Kyohei Joko³
¹Gifu City Women's College, ²Milbon Co., Ltd., ³Sugiyama Jyogakuen University
- P09 Investigation on alkali hydrolysis of PET/co-PET ultra-microfiber
Ji Eun Lee, Min Seok Kim, Min Gu Kim, Kang Seok Kim and Seung Geol Lee
Pusan National University
- P10 Photocatalytic activity of brookite and rutile bi-crystalline phases TiO₂
Kang Seok Kim, Ji Eun Lee, Jeong Hoon Lee and Seung Geol Lee
Pusan National University
- P11 Supercritical Fluid Dyeing of Cotton Fabric with Reactive Disperse Dye
Kazumasa Hirogaki¹, Kako Koizumi¹, Keigo Nakamura¹, Isao Tabata¹, Teruo Hori¹, Abou Tarek Elmaaty²
¹University of Fukui, ²Damietta University
- P12 Anti-Static Agent for Fiber Treatment
Hiroyuki Matsuba, Seiji Sugimori
Lion specialty chemicals Co.,Ltd.
- P13 Two crystal polymorphs of a chlorinated diketo-pyrrolo-pyrrole derivative with hexyl group on amino position
Shigeto Osumi, Heesoo So, Junna Kawaguchi, Shinya Matsumoto
Yokohama National University
- P14 Study on electronic states of anthraquinone dyes by using several molecular orbital calculation methods
Ji-Yong Hwang, Shinya Matsumoto
Yokohama National University
- P15 The Use of Laccase for Eco-friendly Dyeing and Washing
Naoko Nagashima¹, Toru Takagishi²
¹Kinjo Gakuin University, ²Emeritus Professor of Osaka Prefecture University
- P16 New Method of Indigo Reduction with Baker's Yeast(*Saccharomyces cerevisiae*)
Kyunghee Son, Dong Il Yoo, Younsook Shin
Chonnam National University
- P17 Evaluation of Indigo Reduction with

- Biocatalyst using Fluorescence Spectrometric Analysis
Chanhee Jung, Hon Ding Duong, Jong Il Rhee, Dong Il Yoo, Younsook Shin
Chonnam National University
- P18 Development of anti-yellowing silk with titania layer deposited on zirconium phosphate binding layer
Taiki Chujo, Tatsuma Kunimitsu, Kazumi Koike, Yutaka Ohkoshi, Hisanao Usami
Shinshu University
- P19 Effects of metallic ions on the mulberry dyeing
Hideto Shosenji, Tsuyoshi Sawada
Kumamoto University
- P20 Photocatalytic PET textile modifies with TiO₂ nanoparticles on zirconium phosphate protection layer
Hisanao Usami¹, Norikazu Kodama¹, Yasuhito Kondo²
¹Shinshu University, ²Textile Research Institute of Gunma
- P21 Applications of supercritical CO₂ to Finishing and Conservation of Textile & Paper
Satoko Okubayashi
Kyoto Institute of Technology
- P22 Dyeing of polypropylene fabric with specially designed disperse dyes using supercritical fluid dyeing method
Teruo Hori¹, Kazumasa Hirogaki¹, Isao Tabata¹, Keisuke Miyazaki²
¹University of Fukui, ²Kanazawa Institute of Technology,
- P23 Study on The Estimation Technique of Oxidised Hair Damage by Using Berberine
Hiroki Ogihara, Hidekazu Yasunaga
Kyoto Institute of Technology
- P24 Hair Colouring by Dyestuffs Obtained from Photo-Oxidised (+)-Catechin Using Photosensitisers and Visible Light
Akiko Uchida, Hidekazu Yasunaga
Kyoto Institute of Technology
- P25 Development of a New Functional Dye:Phenanthrothiophene (Fused-bibenzo[c]thiophene) Derivative
Toshiaki Enoki, Yousuke Ooyama
Hiroshima University
- P26 Colorimetric and Fluorescent Sensor for Water Based on D-(π -A)₂-type Pyridine-Boron Trifluoride Complex
Shuhei Tsumura, Yousuke Ooyama
Hiroshima University
- P27 Significance of Engineering Approach to Dyeing Process
Kensaku Mizoguchi
Shizuoka University
- P28 Visibility Evaluation for High Visibility Safety Clothing in Environment Emulating at Dusk Condition
Hiroyuki Kanai¹, Yu-ka Kawasaka¹, Hiroki Maru¹, Takushi Kawamorita², Hajime Tsuji³, Choku Takenaka⁴, Toshihiro Hirai¹, Hiroo Suzuki⁵
¹Shinshu University, ²Kitasato University, ³Kaken test center, ⁴Nissenken quality evaluation center, ⁵Azeath corporation
- P29 Application of β -Sheet Proteins as a Compatibilizer in Injection Molding of Kenaf Core/Polypropylene Composites
Yutaka Kawahara
Gunma University
- P30 Estimation of Compatibility of Plastic Blend by Measuring Fluorescent Spectra of Added Phenazasiline-containing Polymers
Hideki Hayashi, Kouji Iida
Nagoya Municipal Industrial Research Institute
- P31 Rheological and Thermal Behaviors of Fiber Reinforced Prepreg with Thermoplastic polyurethane
Sujin Park¹, BALASUBRAMANIAN.R¹, Gyoyoung Lee¹, Jaewoong Lee¹, Jin Won Cho², Hee Bun Kwon³
¹Yeungnam University, ²SHIN HEUNG CORP. ³Korea Textile Development Institute
- P32 Thermal Degradation of Particle-Dispersed Polypropylene and Its Depression
Nobuo Ikuta¹, Tohru Morii¹, Akihiro Ohnishi², and Hiroshi Yui³
¹Shonan Institute of Technology, ²Meishow Techno Co., Ltd., ³Waseda Research Institute for Science and Engineering
- P33 Non-destructive Evaluation of the Worked Surfaces of CFRP plates
Norimichi Nanami¹, Kosuke Yokoi¹, Katsuyuki Hara², Toshikazu Uchida², Asami Nakai¹
¹Gifu University, ²UCHIDA Co.,Ltd.,
- P34 Experimental Study on Pultrusion Process for CFRTP Composites
Patcharat Wongsriraksa, Asami Nakai
Gifu University

- P35 Multiple Melting Behavior of High-Speed Melt Spun Polylactide Fibers
Midori Takasaki¹, Natsumi Fukushi², Miku Yoshizawa², Shota Onosato³, Motohiro Hanada³, Wataru Takarada⁴, Yutaka Kawahara³, Takeshi Kikutani⁴, Haruki Kobayashi¹, Katsufumi Tanaka¹
¹Kyoto Institute of Technology
² Miyagi University of Education
³Gunma University
⁴Tokyo Institute of Technology
- P36 Structure and Properties of Poly(ethylene terephthalate) Fiber Webs Prepared through Laser-Heated Electrospinning and Biaxial Stretching Processes
Tomoki Tokuda¹, Takuya Hara¹, Tsukasa Ito¹, Sotaro Nanbu¹, Midori Takasaki¹, Haruki Kobayashi¹, Katsufumi Tanaka¹, Wataru Takarada², and Takeshi Kikutani²
¹Kyoto Institute of Technology, ²Tokyo Institute of Technology
- P37 Simultaneous Structure Development and Dyeing of PET Fibers through Infusion of Ethanol in Continuous Drawing Process
Dongwoo Go¹, Wataru Takarada¹, Arun Aneja², Takeshi Kikutani¹
¹Tokyo Institute of Technology, ²East Carolina University
- P38 Novel Conjugated Fibers Manufactured via Fused Deposition Modeling Process in 3D Printing
Hiroki Murase
 Kyoritsu Women's University
- P39 Superior Piezoresistive Strain Sensing Behaviors of Carbon Nanotubes in One-Dimensional Polymer Fiber Structure
Senlong Yu¹, Xingping Wang¹, Hengxue Xiang¹, Liping Zhu¹, Mike Tebyetekerwa^{1, 2}, Meifang Zhu¹
¹Donghua University
²The Australian National University
- P40 Structural analysis of melt-blown nonwoven fabric by X-ray micro computed tomography
KyoungHou Kim, Tatsuya Ishikawa, Yujiro Ishii, Yutaka Ohkoshi
 Shinshu University,
- P41 Preparation of Biodegradable PHBH Fibers through High-Speed Melt Spinning Process Equipped with a Liquid Isothermal Bath
Yuki Miyao, Wataru Takarada, Takeshi Kikutani
 Tokyo Institute of Technology