
Poster Presentation
TFT WEST HALL500 and Foyer

September 29th 17:30-20:00

Obligation Time:

Odd number: 17:45-18:45

Even number: 19:00-20:00

G1 Fibers and Polymer Materials

- PG1-01 “Metal doping effects on photocatalytic activities of titanium oxide nanotubes”
(Shinshu University, Japan) Shin Oi, Yukie Kato, Kenji Hanabusa and Masahiro Suzuki
- PG1-02 “Control of nanostructure and photocatalytic activity of titanium oxide helical nanotubes”
(Shinshu University, Japan) Shin Oi, Kenji Hanabusa and Masahiro Suzuki
- PG1-03 “Formation of supramolecular hydrogels by zwitterionic L-lysine hydrogelators”
(Shinshu University, Japan) Masahiro Suzuki, Moemi Kondo and Kenji Hanabusa
- PG1-04 “Controlled release of medicine in supramolecular hydrogels based on L-lysine hydrogelators”
(Shinshu University, Japan) Masahiro Suzuki, Ryosuke Ebina and Kenji Hanabusa
- PG1-05 “Control of helical and non-helical morphology of poly(ester-imide) crystals by crystallization during copolymerization”
(Okayama University, Japan) Takuya Ohnishi, Tetsuya Uchida, Shinichi Yamazaki and Kunio Kimura
- PG1-06 “Phosphoric acid-doped sulfonated polyimide and polybenzimidazole blend membranes: high proton transport at wide temperatures under low humidity conditions due to new proton transport pathways”
(Tokyo Metropolitan University, Japan) Takeru Wakiya, Kazuhiro Suzuki, Manabu Tanaka and Hiroyoshi Kawakami
- PG1-07 “Synthesis and properties of new thienoisindigo based polymers”
(Tokyo Institute of Technology, Japan) Tsukasa Hasegawa, Minoru Ashizawa, Junya Hiyoshi, Susumu Kawauchi and Hidetoshi Matsumoto
- PG1-08 “Structure development and mechanical properties of cellulose fibers wet spun from 1-ethyl-3-methylimidazolium acetate”
(China Textile Academy, China) Xiaojun Li, Yushan Sun, Nianke Li, Xianquan Duan and Qiang Zhao
- PG1-09 “Remote methane and oxygen mixture plasma surface hydrophilization on polypropylene porous membrane”
(Yuan Ze University, Chinese Taipei) Chun Huang, Wei-Ting Hou and Wei-Chun Ma
- PG1-10 “Attempted helicity induction in polyacetylenes bearing chiral alkyl chains by postfunctional modification”
(Tokyo Institute of Technology, Japan) Wataru Yairi and Tsuyoshi Michinobu
- PG1-11 “Drying dissipative structure of hectorite aqueous suspension”
(Gifu University, Japan) Saya Futamura, Hiroshi Kimura, Shinya Takahashi, Akira Tsuchida and Keiichi Kurosaka
- PG1-12 “Segregation effects for the drying dissipative structures of colloidal dispersion”
(Gifu University, Japan) Kazuki Takemoto, Hiroshi Kimura, Akira Tsuchida and Tsuneo Okubo
- PG1-13 “Enhancement of electronic excitation energy transfer efficiency caused by photon trapping of colloidal crystals”
(Gifu University, Japan) Akira Tsuchida, Hiroshi Kimura and Tsuneo Okubo
- PG1-14 “Adsorption of organic compounds to polymeric materials 9. Adsorption of organic compounds to various fibers and synthetic polypeptides”
(Fukushima University, Japan) Hitoshi Kanazawa and Aya Inada
- PG1-15 “Dynamic excimer formation on the surface of colloidal spheres”
(Gifu University, Japan) Tatsuya Matsuba, Hiroshi Kimura, Akira Tsuchida and Kohji Yoshinaga
- PG1-16 “Rapid sedimentation of colloidal particles under an electric field”
(Gifu University, Japan) Hiroshi Kimura, Shinya Takahashi and Akira Tsuchida
- PG1-17 “Determination of nanocellulose fibril length by shear viscosity measurement”
(The University of Tokyo, Japan) Reina Tanaka, Tsuguyuki Saito, Daisuke Ishii and Akira Isogai
- PG1-18 “Luminescent polymeric films with “clicked” palladium(II) porphyrin moieties for oxygen sensor applications”
(Tokyo Institute of Technology, Japan) Aiko Hamasaki, Tsuyoshi Hyakutake, Hirotaka Sakaue and Tsuyoshi Michinobu
- PG1-19 “Compatibilizing effects on long carbon fiber reinforced polypropylene composites”
(Korea Institute of Industrial Technology, South Korea) Jung Soo Kim, Dong Gyu Jeon, Ji Hoon Jang, Dae Young Lim and Dong Hyun Kim
- PG1-20 “Fiber structure development in high-speed melt spinning process of a new crystalline polycycloolefin”
(Tokyo Institute of Technology, Japan) Hideki Morioka, Wataru Takarada, Susumu Umemoto and Takeshi Kikutani
- PG1-21 “Well-aligned and well-oriented isotactic polypropylene nanofibers”
(Kobe University, Japan) Yuji Asahina, Chizuru Hongo, Masaru Kotera and Takashi Nishino
- PG1-22 “Study on interfacial shear for carbon fiber thermoplastic composites”
(Korea Institute of Industrial Technology, South Korea) Hyo Jin An and Ki-Young Kim

- PG1-23 “Mechanical properties of long carbon fiber-reinforced polyamide 46 composites”
(Korea Institute of Industrial Technology, South Korea) Hyo Jin An, Jung Soo Kim, Eun Soo Lee, Ki-Young Kim and Dong Hyun Kim
- PG1-24 “Effect of end group balance on fiber structure of melt-spun poly-(hexamethylene adipamide)”
(Tokushima Bunri University, Japan) Kazuishi Sato, Masahiro Tomokiyo, Yuji Frue, Hitoshi Yamazaki, Toshinori Koizumi and Kunihiko Okajima
- PG1-25 “Development of co-crystalline forms of syndiotactic polystyrene with organometallic compounds and their efficient properties”
(Shizuoka University, Japan) Takumi Sano, Jun Mochizuki and Hideyuki Itagaki
- PG1-26 “Preparation of rigid polymer nanofiber by using crystallized from dilute solution and its application”
(Okayama University, Japan) Tetsuya Uchida and Masashi Furukawa
- PG1-27 “Relationship between modulus and structure of a melt-quenched thermoplastic polyurethane as a function of annealing temperature”
(Tokyo University of Agriculture and Technology, Japan) Noboru Osaka, Yu Yanagihara, Sohgo Iimori, Satoshi Murayama and Hiromu Saito
- PG1-28 “Relationship between organic fouling behavior of anion exchange membranes and various organic fouling substances”
(Yamaguchi University, Japan) Keita Takamura, Nobuyuki Tanaka and Mitsuru Higa
- PG1-29 “Thin film structure and surface properties of poly(3-hexylthiophene)”
(Kobe University, Japan) Keishiro Nishi, Chizuru Hongo, Masaru Kotera, Kanta Fuji, Shunsuke Tamba, Atsunori Mori and Takashi Nishino
- PG1-30 “Gas diffusion properties of the magnetically oriented PBLG solids studied by NMR methods”
(Nagoya Institute of Technology, Japan) Hiroaki Yoshimizu and Jun Iwamoto
- PG1-31 “An NMR observation on gas-sorption induced molecular motion change of the alkyl side chains in layered structure of liquid crystalline polyester”
(Nagoya Institute of Technology, Japan) Masahiro Yamauchi and Hiroaki Yoshimizu
- PG1-32 “NMR of the gas in polyimides with different glassy states”
(Nagoya Institute of Technology, Japan) Masaya Fujita and Hiroaki Yoshimizu
- PG1-33 “Structural analysis of biodegradable polyester films prepared by aging on cold crystallization temperature and by soaking solvent effect”
(Shinshu University, Japan) Toshihisa Tanaka, Yumiko Takayama, Motomu Nishijo, Keigo Matsukawa and Tadahisa Iwata
- PG1-34 “Synthesis of nanofibrillated bacterial cellulose (NFBC) from biomass and mass production using a jar fermentor”
(Tokyo University of Agriculture and Technology, Japan) Ryota Kose, Hiroaki Sakurai and Kenji Tajima
- PG1-35 “High performance of direct methanol alkaline fuel cell (DMAFC) using a kind of cross-linking membranes”
(Yamaguchi University, Japan) Mitsuru Higa, Shiyan Feng and Nobutaka Endo
- PG1-36 “Poly(vinyl alcohol)-based polymer electrolyte membrane for direct methanol fuel cells”
(Yamaguchi University, Japan) Nobutaka Endo, Shiyan Feng and Mitsuru Higa
- PG1-37 “Introduction of functional groups into poly(L-lactic acid) (PLLA) by the irradiation of gamma-ray in the presence of unsaturated compounds”
(Shizuoka University, Japan) Erina Shintaku, Tatsuhiko Yagi and Chie Sawatari
- PG1-38 “Preparation of aqueous dispersions of multi-walled carbon nanotubes by the aqueous counter collision method”
(Kyushu University, Japan) Yohei Kawano and Tetsuo Kondo
- PG1-39 “Preferential subfibrillation from reducing ends in the initial stage of nano-pulverization using aqueous counter collision”
(Kyushu University, Japan) Hikari Utsunomiya, Shingo Yokota and Tetsuo Kondo
- PG1-40 “Gamma-ray irradiation of poly(tetrafluoroethylene-hexafluoropropylene) [TFE-HFP] copolymer”
(Shizuoka University, Japan) Shota Watanabe, Tatsuhiko Yagi and Chie Sawatari
- PG1-41 “Growth of graphitic whiskers on the surface of the activated carbons promoted by phosphoric acid treatment”
(Kyushu University, Japan) Liwei Yu, Daisuke Tatsumi, Songlin Zuo and Mitsuhiro Morita
- PG1-42 “Nanofiber structures composed of butadiyne derivatives with tri(dodecyloxy)phenyl groups”
(Yamagata University, Japan) Kohei Kikuchi, Yoko Tatewaki and Shuji Okada
- PG1-43 “Self-assembling behaviors of collagen nanofibers in the aqueous dispersions prepared by the aqueous counter collision method”
(Kyushu University, Japan) Yutaro Tsujita, Shingo Yokota and Tetsuo Kondo
- PG1-44 “Fabrication of micro-structured surface of polymeric materials using femtosecond laser”
(Kogakuin University, Japan) Noritada Naruse, Yosuke Nishitani and Takeshi Kitano
- PG1-45 “Water-in-ionic liquid reverse micelles formed in imidazole-type ionic liquids”
(The University of Tokyo, Japan) Takumi Kusano, Kenta Fujii, Kei Hashimoto and Mitsuhiro Shibayama
- PG1-46 “A novel study of dynamic stress distribution using ultrasonic wave propagation analysis in bimaterial composite with defect”
(Shinshu University, Japan) Li Ran and Qing-Qing Ni

- PG1-47 “Vapor-grown carbon nanofiber/epoxy shape memory nanocomposites prepared via latex technology” (Shinshu University, Japan) Yubing Dong and Qing-Qing Ni
- PG1-48 “Comparative study of tubes formed by natural rubber, reinforced with natural fiber fabrics of jute, cotton, synthetic and polyester fabrics, nylon 6.6 and nomex” (Universidade Presbiteriana Mackenzie, Brazil) Nilson Casimiro Pereira, Cicera Soares Pereira and Jose Ivan Medeiros
- PG1-49 “Periodic structure on thin film of polyvinylether triblock copolymer” (University of Fukui, Japan) Satoshi Irie, Madoka Ueno, Takashi Sasaki, Tsuguto Imaeda, Michio Urushisaki, Toshikazu Sakaguchi and Tamotsu Hashimoto
- PG1-50 “Thermal conductivity of textiles determined with temperature wave method” (Tokyo Institute of Technology, Japan) T. Nishimura, Junko Morikawa and Toshimasa Hashimoto
- PG1-51 “Fabrication of poly(vinyl alcohol)-based porous carbon nanofibers and their application to electric double layer capacitors” (Kyoto University, Japan) Takara Matsumoto, Shinsuke Nagamine and Masahiro Ohshima
- PG1-52 “Synthesis of nitrogen doped bamboo like carbon nanotube by plasma process in high pressures nitrogen” (Tokyo University of Agriculture and Technology, Japan) Koichi Murakami, Yutaka Takahashi, Takuya Hashizume, Kaede Aoki and Toshiyuki Watanabe
- PG1-53 “Atomic-level structure of the crystalline domain of bombyx mori silk fibroin with silk II form studied with ^{13}C solid-state NMR” (Tokyo University of Agriculture and Technology, Japan) Keiko Okushita, Atsushi Asano and Tetsuo Asakura
- PG1-54 “Cell adhesion on polymer scaffolds with 2D-pattern of mechanical properties” (Kyushu University, Japan) Shinichiro Shimomura, Hisao Matsuno, Yohei Kinoshita, Satoshi Fujimura and Keiji Tanaka
- PG1-55 “Fabrication of ordered polydiacetylene thin film for electrical / optical application via simple coating process of the monomer solution” (Tokyo University of Agriculture and Technology, Japan) Yuuki Miyazaki, Kazuo Okamoto and Kenji Ogino
- PG1-56 “Synthesis of new soluble polymeric materials for hole transporting layer in organic EL device” (Tokyo University of Agriculture and Technology, Japan) Kyusun Kim and Kenji Ogino
- PG1-57 “Characterization of crystalline/amorphous interfaces in isotactic polypropylene films” (Kyushu University) Kentaro Yamamoto, Daisuke Kawaguchi and Keiji Tanaka
- PG1-58 “Effect of natural polyphenol on the mechanical properties, crystallization behaviors and thermal properties of bio-based polyhydroxyalkanoates” (Donghua University, China) H. X. Xiang, S. C. Wang, Y. Li, Z. Zhou, B. Sun and M. F. Zhu
- PG1-59 “Effect of $\text{SiO}_2/\text{TiO}_2$ core-shell nanoparticle on the mechanical and UV-resistance properties of polyphenylene sulfide nanocomposite fibers” (Donghua University, China) Zexu Hu, Si Meng, Zhe Zhou, Long Cheng and Meifang Zhu
- PG1-60 “Biomedical polyurethane/native silk fibroin particles hybrid fiber for drug controlled delivery” (Wuhan Textile University, China) Yuping Pi, Hongjun Yang, Ruiqing Hu, Bin Wu and Weilin Xu

G2 Fibers and Textile Processing

- PG2-01 “On-line 2D retardation measurement of amorphous polymers during uniaxial elongation process” (Yamagata University, Japan) Yasuto Sato, Tetsuo Takayama, Kentaro Taki and Hiroshi Ito
- PG2-02 “Surface replication and higher order structure of amorphous polymer film with nano surface structure fabricated by roll to roll imprinting method” (Yamagata University, Japan) Tomofumi Egawa, Tetsuo Takayama, Kentaro Taki and Hiroshi Ito
- PG2-03 “Facile design of superhydrophobic fabrics by dopamine-induced bio-inspiration” (University of Fukui, Japan) Zhanglian Xu, Koji Miyazaki and Teruo Hori
- PG2-04 “Formation process and structure of poly(acrylonitrile) gels” (Yamagata University, Japan) Shota Nakano, Go Matsuba, Daiki Tominaga and Sinichi Takata
- PG2-05 “Thermal and moisture characteristics to the physical and structural properties of hybrid composites yarns and their woven fabrics” (Yeungnam University, South Korea) Seung-Jin Kim, Hyun Ah Kim and Kyoung Heo
- PG2-06 “Analysis of bulk and surface structure of the temperature-sensitive adhesives” (Yamagata University, Japan) Yuji Fujiyama, Go Matsuba, Koji Yamashita, Minoru Nanchi and Koichiro Kawahara
- PG2-07 “Effect of fiber surface area on the structural development of high-molecular weight poly(ethylene terephthalate) fibers in high-speed melt spinning process” (Korea Institute of Industrial Technology, South Korea) Ki-Sub Lim, Do-Gun Kim, In-Woo Nam, Joo-Hyung Lee and Wan-Gyu Hahm
- PG2-08 “Novel core in sheath textured yarn and its fabric” (Toray Industries, Inc., Japan) Ryo Matsuo and Hiroaki Date
- PG2-09 “Analysis on crystallization behavior of oriented polymers utilizing differential scanning calorimetry of high heating rate” (Tokyo Institute of Technology, Japan) Seiji Shibata, Wataru Takarada and Takeshi Kikutani

- PG2-10 “A study on development of water soluble PVA needle punching nonwovens for water proof liner materials”
(Korea Institute of Industrial Technology, South Korea) Younghwan Bae, Jae Ki Park and Sang Young Yeo
- PG2-11 “Preparation and characteristics of high density wet-laid nonwoven fabrics using polyarylate (PAR)”
(Korea Institute of Industrial Technology, South Korea) Jeong-rak Choi, Yeon-sang Kim, Jung-nam Im and Yeong-og Choi

G3 Dyeing, Finishing, Coating and Laminating

- PG3-01 “Prussian blue dyed wool and its decontamination ability for radioactive cesium”
(Tokyo Metropolitan University, Japan) Kahori Yokota, Shio Arai, Ritsuko Nakamura, Tamako Otsu, Mika Ito, Koushi Fukunishi, Hideki Ogawa and Hirohisa Yoshida
- PG3-02 “Alkaline dissolution behavior and dyeing properties of sea-island type PET ultra-microfiber knitted fabrics”
(Dankook University, South Korea) Hyun Sung Kim, Young Ki Park, A Ra Jo, Kyung Min Lee and Jung Jin Lee
- PG3-03 “Eco-friendly dyeing of PLA knitted fabric with temporarily solubilized azo disperse dyes”
(Dankook University, South Korea) Young Ki Park, Hyun Sung Kim, A Ra Jo, Kyung Min Lee and Jung Jin Lee
- PG3-04 “Modification of chemically stable polymeric materials 37. Improvement in the adhesive property and water-based ink-jet printing property”
(Fukushima University, Japan) Hitoshi Kanazawa, Aya Inada and Takuto Tanaka
- PG3-05 “A study of chitosan-based rechargeable antimicrobial finishing of cotton”
(The Hong Kong Polytechnic University, Hong Kong, China) Chi-wai Kan and Chang-E Zhou
- PG3-06 “Effects of washing with surfactant and alkaline on surface properties of silk fabrics”
(Bunka Gakuen University, Japan) Lei Yumoto, Patra Attawiriyasakul and Yuji Yoneyama

G4 Textile Science and Engineering

- PG4-01 “Bleached hair structure elucidated by using a rubber elasticity theory to the swollen hair”
(Shinshu University, Japan) Kazuyuki Suzuta, Kunihiko Hamada and Kozo Arai
- PG4-02 “Hand value using friction coefficients measured by rotationally dragging tactile sensor”
(Kanazawa University, Japan) Toshiyasu Kinari, Hiroshi Tachiya, Lina Wakako and Hayato Komiya

- PG4-03 “3-D model for tensile simulation of multi-filament yarn”
(Kanazawa University, Japan) Nyi Nyi Htoo, Toshiyasu Kinari, Tomotsugu Shimokawa, Lina Wakako and Kouichi Ohta
- PG4-04 “Characterization of optical properties of carbon fiber woven fabric”
(Kyoto Institute of Technology, Japan) Tomoko Awazitani and Sachiko Sukigara
- PG4-05 “Study on the maximum value of heat flux (qmax) as an objective measurement of fabric warm/cool feeling”
(Kobe University, Japan) Mari Inoue
- PG4-06 Withdrawn
- PG4-07 “Water absorption properties of hollow spun yarn”
(Shinshu University, Japan) Mika Morishima, Yoshio Oozeki and Akio Sakaguchi

G5 Textile Science and Engineering

- PG5-01 “Topography of fitting-perception of clothing pressures measured on the whole body of Japanese young adult female: In special reference for clothing pressure when the hoop tension occurred by an elastic-band”
(Shinshu University, Japan) Tamaki Mitsuno
- PG5-02 “Effect of material property and design of outdoor parker on its heat transfer and ventilation rate”
(Yokohama National University, Japan) Yayoi Satsumoto, Liu Yu, Takuya Aoyagi and Satoru Ueno
- PG5-03 “Indian textile industry: Issues and challenges”
(Pune University, India) Amruta Ghodawat and Bhor J. R.
- PG5-04 “Measurement of thermal resistances of infant’s clothing and ensembles by means of a baby thermal manikin”
(Kyoto University of Education, Japan) Takako Fukazawa, Yuino Shibata, Sachiyo Ikeda, Keiko Watanabe and Yutaka Tochiwara
- PG5-05 “Evaluation of the reduction of UV light strength of sunlight by cloths taken from daily use wears”
(Jissen Women’s University, Japan) Hiromi Gocho, Miho Ogata, Yukari Takazawa, Maki Kiguchi and Tomoko Uenishi
- PG5-06 “Deodorization by fibrous wastes”
(Jissen Women’s University, Japan) Hiromi Gocho, Hiroko Ikeda, Masumi Okabe, Tomoko Uenishi and Jiro Komiyama
- PG5-07 “Features of three-dimensional (3D) skirt surface shape using curvatures and image evaluations of made to order garments and pattern creation (Part 1): Tight skirt surface shape features using angle curvatures utilizing automatic creation with imaginary 3D draping in virtual reality”
(Mie University, Japan) Tomoe Masuda and Minami Wada

- PG5-08 “Features of three-dimensional (3D) skirt surface shape using curvatures and image evaluations of made to order garments and pattern creation (Part 2): Flared skirt curved shape features using angle curvatures by body shapes, flare volumes, and fabrics”
(Mie University, Japan) Tomoe Masuda, Minami Wada and Hiroko Yokura
- PG5-09 “Features of three-dimensional (3D) skirt surface shape using curvatures and image evaluations of made to order garments and pattern creation (Part 3): Extraction of 3D flared skirt curved shape features relating image evaluations and physical curvature values”
(Mie University, Japan) Tomoe Masuda, Minami Wada and Kaori Murakami
- PG5-10 “Evaluation of store-bought UV absorbers for clothing under direct sunlight”
(Wayo Women's University, Japan) Chihiro Suzuki and Kaname Katsuraya
- PG5-11 “Influence of fiber fineness on the shrinkage of poly(lactic acid) (PLA) fiber yarn and fabrics”
(Tokyo Kasei Gakuin University, Japan) Tomomi Hanada, Mayo Koyama and Aya Kajino
- PG5-12 “Effects of kimono materials on wearing dishevelment and its mechanisms”
(Wayo Women's University, Japan) Naoko Yamaguchi, Mizuka Ito, Ayako Uchida, Kyoko Habu and Kaname Katsuraya
- PG5-13 “Effects of enzymes contained in detergent on preimmersing”
(Wayo Women's University, Japan) Naoko Nagashima and Toru Takagishi
- PG5-14 “Evaluation of the thermal insulation of electrical heating textiles”
(Dong-A University, South Korea) Sunhee Lee
- PG5-15 “The effect of the placket buttonhole condition on the buttoning process: A study of the fineness of buttonhole thread”
(Shinshu University, Japan) Noriko Fukuda, Masayuki Takatera, Toyonori Nishimatsu and Youichi Matsumoto
- PG5-16 “Evaluation on antibacterial activity and deodorization effect of textile fabrics and fibers dyed with green tea”
(Shizuoka University, Japan) Yukie Toyoshima, Ayaka Nakaya and Chie Sawatari
- PG5-17 “Thermal comfort of “Hakama”, a Japanese ethnic costume”
(Bunka Gakuen University, Japan) Mariko Sato and Teruko Tamura
- PG5-18 “Research on sports bra design for Xi'an female sports enthusiasts”
(Xi'an Polytechnic University, China) Chuan-Yu Zhou
- PG5-19 “A study on operation comfort of uniform for Xi'an male bus driver”
(Xi'an Polytechnic University, China) Yan-Qiong Hu

- PG5-20 “The analysis of plant dyed fabrics on homewear”
(Xi'an Polytechnic University, China) Xiao Liu
- PG5-21 “Trying to wear kimono with delight”
(Wayo Women's University, Japan) Mizuka Ito, Naoko Yamaguchi and Ayako Uchida

S2 Symposium on Dyeing and Finishing of Textiles

- PS2-01 “Effects of the modification of fiber surface on the mechanical properties of cotton fabric”
(Gifu City Women's College, Japan) Sawako Shibata, Kyohei Joko and Machiko Murakami
- PS2-02 “The shrink-proofing performance and dyeability of wool coated with CMADK”
(Shinshu University, Japan) Kenjiro Watanabe, Masako Shinozuka, Naoko Nagashima, Yuichi Hirata and Kunihiro Hamada
- PS2-03 “Effect of layer-by-layer treatment on the shrink proofing and dyeability of wool fibers”
(Shinshu University, Japan) Yoshihito Aizawa, Yuichi Hirata, Kunihiro Hamada, Naoko Nagashima and Masako Shinozuka
- PS2-04 “Synthesis of novel cationic surfactants having different chemical structure in the hydrophobic tail and the solubilization of nonionic dyes in their micellar solutions”
(Shinshu University, Japan) Moe Okabe, Yuichi Hirata and Kunihiro Hamada
- PS2-05 “Dyeing behavior and structural change of the wool fibers treated with reduction and subsequent oxidation”
(Shinshu University, Japan) Yasunori Matsumoto, Yuichi Hirata, Kunihiro Hamada and Kazuyuki Suzuta
- PS2-06 “Synthesis of novel cationic gemini surfactants having benzene dicarboxylic ester structures in the spacer group and the solubilization of disperse dye in their micellar solutions”
(Shinshu University, Japan) Misato Sakakibara, Yuichi Hirata and Kunihiro Hamada
- PS2-07 “Restoration with vegetable dyes of 18 colors recorded in Kokka Chinpocho (list of national treasures) in A.D. 754”
(Kusaki Craft Studio, Japan) Kazuki Yamazaki, Yoichi Nakajima, Dai Fujiwara and Jiro Komiyama
- PS2-08 “Dual mode diffusion and sorption-from dyeing to diffusion of NaCl in five foodsuffs”
(Tokyo Seiei College, Japan) Hiroko Hashiba, Hiromi Gocho and Jiro Komiyama
- PS2-09 “Micro measurements of 20 colors restored from the list of Kokka Chinpocho in AD754”
(Gifu Women's University, Japan) Toshio Mori, Hiromi Gocho, Kazuki Yamazaki, Yoichi Nakajima and Jiro Komiyama
- PS2-10 “Vat dyeing in deep color of cotton knit fabric using a modified jet dyeing machine”
(University of Fukui, Japan) Hiroshi Wakoh, Koji Nakane, Teruo Hori and Jiro Komiyama

- PS2-11 “Shrink proofing of keratinase treated wool fibers: Effect of pretreatments”
(Wayo Women’s University, Japan) Naoko Nagashima, Yoshito Aizawa, Kenjiro Watanabe, Yuichi Hirata, Kunihiro Hamada and Toru Takagishi
- PS2-12 “Deodorant abilities of mordant-dyed cotton and wool fabrics”
(Ochanomizu University, Japan) Toshiko Amemiya, Tadashi Nakanishi and Yasuko Kobayashi
- PS2-13 “Dyeability and characteristics of dyeing by morin”
(Kyoto Institute of Technology, Japan) Mercè Tachó Piñot, Isao Wataoka and Hidekazu Yasunaga
- PS2-14 “Hair dyeing by using saccharides and amino acids”
(Kyoto Institute of Technology, Japan) Hiroshi Osaki, Isao Wataoka, Hiroshi Urakawa and Hidekazu Yasunaga
- PS2-15 “Supercritical drying for the development of p-aramid aerogel: Optimization of process parameters and regeneration solvents”
(Kyoto Institute of Technology, Japan) Shao Zhenzong and Satoko Okubayashi
- PS2-16 “Modification of modacrylic fiber by electron-beam grafting and co-crosslinking”
(Kyoto Institute of Technology, Japan) Genji Tanaka and Satoko Okubayashi
- PS2-17 “Electron-beam graft polymerization of p-aramid fibers”
(Kyoto Institute of Technology, Japan) Arata Nasu and Satoko Okubayashi

S3 Flow & Deformation Induced Polymer Crystallization

- PS3-01 “Fiber structure development of PS/PET sea-islands conjugated fiber during the continuous laser drawing process”
(Shinshu University, Japan) Kousuke Sugawara, Toshifumi Ikaga, Yutaka Ohkoshi, Kazuyuki Okada, Hiroyasu Masunaga, Toshiji Kanaya, Masato Masuda and Yuhei Maeda
- PS3-02 “Production of multi-hollow fiber by laser-heated drawing”
(Dong-A University, South Korea) YoungAh Kang, KyoungHou Kim, Yang Hun Lee and Yutaka Ohkoshi
- PS3-03 “Influences of film-thickness and surface tension on melt-isothermal crystallization behaviors of poly(3-hydroxybutyrate) thin films”
(Kyoto Institute of Technology, Japan) Jiro Hoshihara, Ryosuke Hata, Yuki Tsuji, Shinichi Sakurai, Takaaki Hikima, Hiroyasu Masunaga, Masaki Takata, Sono Sasaki, Tomoyasu Hirai and Atsushi Takahara
- PS3-04 “Influence of alkyl side chains upon crystallization rate of blends of poly(3-alkylthiophene) and fullerene derivatives in spin-coating processes”
(Kyoto Institute of Technology, Japan) Yuki Tsuji, Jiro Hoshihara, Ryosuke Hata, Shinichi Sakurai, Takaaki Hikima, Hiroyasu Masunaga, Masaki Takata, Kohji Tashiro and Sono Sasaki

- PS3-05 “Effects of molecular weights on shish-kebab formation”
(Kyoto University, Japan) Tadahiko Maede, Tomohiko Matsuura, Nobuaki Takahashi, Masayuki Sakurai, Rintaro Inoue, Go Matsuba, Koji Nishida, Toshiji Kanaya, Taiki Tominaga, Shinichi Takata, Junichi Suzuki and M. Murakami
- PS3-06 “Successive order-order transitions of the hierarchical morphology of dendron-jacketed block copolymer via subsequent stretching alignment and self-assembly”
(National Synchrotron Radiation Research Center, Chinese Taipei) Wei-Tung. Chuang, C. J. Su, U. S. Jeng and H. S. Sheu

S4 Smart Textiles / Nanofibers

- PS4-01 “Preparation and evaluation of electrospun anion conductive polymer nanofibers for alkaline fuel cell”
(Tokyo Metropolitan University, Japan) Tsukasa Watanabe, Manabu Tanaka and Hiroyoshi Kawakami
- PS4-02 “Visually-recognized antibacterial coatings by layer-by-layer techniques”
(Tokyo Institute of Technology, Japan) Tsuyoshi Michinobu and Hiroyuki Fujita
- PS4-03 “Preparation of carbon nanofibers containing oriented graphene nanoribbons via electrospinning”
(Tokyo Institute of Technology, Japan) Shohei Masuda, Minoru Ashizawa and Hidetoshi Matsumoto
- PS4-04 “Preparation and structure control of core-shell type branch nanofibers”
(Tokyo Metropolitan University, Japan) Kazunori Hara, Makoto Konno, Manabu Tanaka and Hiroyoshi Kawakami
- PS4-05 “Effect of gulteraldehyde and glyceraldehyde on water stability and mechanical properties of gelatin nano fibers which used for tissue engineering”
(Guilan University, Iran) Sheida Aliakbarshirazi, Akbar Khodaparast Haghi, Azam Talebian and Mohammad Ali Shokrgozar
- PS4-06 “Preparation of hierarchical structured carbon nanofiber electrodes for electrochemical capacitors”
(Tokyo Institute of Technology, Japan) Yoshitaka Saito, Shohei Masuda, Minoru Ashizawa and Hidetoshi Matsumoto
- PS4-07 “Micro/nanofiber weaving technology based on electroactuation force”
(Shinshu University, Japan) Hong Xia, Tsuneaki Yamabe and Toshihiro Hirai
- PS4-08 “Thermal conductivity of nanocellulose aerogel”
(The University of Tokyo, Japan) Koh Sakai, Yuri Kobayashi, Tsuguyuki Saito and Akira Isogai
- PS4-09 “Mechanical strength of chitin nanofibrils estimated via sonication-induced fragmentation”
(The University of Tokyo, Japan) Yu Bamba, Zi-Dong Qi, Tsuguyuki Saito and Akira Isogai

- PS4-10 “Preparation of all-polyimide nanocomposite using electrospinning”
(Kobe University, Japan) Keiko Mizoguchi, Masaru Kotera, Chizuru Hongo and Takashi Nishino
- PS4-11 “Effects of Cu nanoparticles on surface of electrospun cellulose nanofibers”
(Shinshu University, Japan) Hyunsik Bang, Kai Wei and Icksoo Kim
- PS4-12 “Effect of hemicelluloses in bamboo cellulose nano-fiber produced by mechanical processing in the presence of endoglucanase”
(Forestry and Forest Product Research Institute, Japan) Noriko Hayashi, Tomoko Shimoka, Tsutomu Ikeda and Hajime Shibuya
- PS4-13 “SEC-MALLS analysis of TEMPO-oxidized cellulose nanofibers”
(The University of Tokyo, Japan) Ryoya Hiraoki, Yuko Ono, Tsuguyuki Saito and Akira Isogai
- PS4-14 “Effect of coating the LED-tape on its durability performance”
(Industrial Technology Center of Fukui Prefecture, Japan) Takahiro Tsuji, Atsuji Masuda, Tetsuhiko Murakami, Norio Sasaguchi and Koji Miyazaki
- PS4-15 “Fabrication of silk fibroin-polycaprolactone blend fibres using needleless electrospinning method”
(Technical University of Liberec, Czech Republic) Nongnut Sasithorn and Lenka Martinová
- PS4-16 “Ion-conductive properties of polycarbonate-based composite electrolytes filled with silica fiber”
(Tokyo University of Agriculture and Technology, Japan) Zhenguang Li, Yuichi Konosu, Minoru Ashizawa, Hidetoshi Matsumoto and Yoichi Tominaga
- PS4-17 “Carrier transport in isolated conducting polymer nanofibers made by whisker formation”
(Tokyo University of Agriculture and Technology, Japan) Takeshi Shimomura
- PS4-18 “Mechanical properties and shape memory behaviors of silicone-coated elastomeric nanofiber filaments”
(Chonbuk National University, South Korea) Byoung-Suhk Kim and Ick-Soo Kim
- PS4-19 “Development of pH sensor based on electrospun non-woven fabric”
(Chonbuk National University, South Korea) Kesavan Devarayan and Byoung-Suhk Kim
- PS4-20 “Fabrication of poly(vinyl alcohol)/poly(acrylic acid) hydrogel nanofibers incorporating POSS”
(Chonbuk National University, South Korea) Eun Sook Lee and Byoung-Suhk Kim
- PS4-21 “Preparation and properties of functionalized multi-walled carbon nanotube/bioepoxy/poly(lactic acid) biocomposites”
(Chonbuk National University, South Korea) Tae-Hoon Ko, Kesavan Devarayan and Byoung-Suhk Kim

- PS4-22 “The effect of annealing on itaconic/crotonic acid-modified PAN copolymers based carbon fibers”
(Chonbuk National University, South Korea) Danyun Lei, Kesavan Devarayan and Byoung-Suhk Kim

S5 Bio-Based and Biomedical Materials

- PS5-01 “Design for sequential releasing of environmental factors input into lignocellulosics”
(Mie University, Japan) Yukari Uehara and Masamitsu Funaoka
- PS5-02 “Multistep structural control of native lignins by selective deacylation”
(Mie University, Japan) Kodai Murai, Mitsuru Aoyagi and Masamitsu Funaoka
- PS5-03 “Mutagenesis of Bombyx mori silk fiber by in vivo incorporation of unnatural amino acids into silk fibroin”
(National Institute of Agrobiological Sciences, Japan) Hidetoshi Teramoto, Katsura Kojima and Kenichi Nakajima
- PS5-04 “Preparation of chitin nanofiber-reinforced carboxymethyl cellulose films”
(Kagoshima University, Japan) Daisuke Hatanaka, Kazuya Yamamoto and Jun-ichi Kadokawa
- PS5-05 “Synthesis of poly(ether ketone)s from bio-based material”
(Okayama University, Japan) Yusuke Kanetaka, Shinichi Yamazaki and Kunio Kimura
- PS5-06 “Chain extension of aliphatic polycarbonates with bis-alkenyl esters”
(Kyoto Institute of Technology, Japan) Yuki Ikejiri, Kazunari Masutani and Yoshiharu Kimura
- PS5-07 “Nanomaterialization of chitin derivatives by gas bubbling-ultrasonic treatments”
(Kagoshima University, Japan) Kohei Tanaka, Kazuya Yamamoto and Jun-ichi Kadokawa
- PS5-08 “Preparation and characterization of green composite using biomimetic modified lignin”
(Seoul National University, South Korea) Sung Hoon Kim, J.M. Lee, N.R. Ahn, H.G. Roh, D.M. Jeong and Jong Shin Park
- PS5-09 “Ring-opening polymerization of anhydro alkyl glucose derivative and antiviral activity of sulfated alkyl glucopyranans”
(Kitami Institute of Technology, Japan) Budragchaa Davaanyam, Bai Shiming, Toshiyuki Uryu and Takashi Yoshida
- PS5-10 “Preparation of glucomannan esters and their thermal, mechanical, and optical properties”
(The University of Tokyo, Japan) Takahiro Danjo, Yukiko Rogers, Akio Takemura, Shogo Nobukawa, Masayuki Yamaguchi and Tadahisa Iwata
- PS5-11 “Effect of flaxseed consumption on postprandial blood glucose in humans”
(Waseda University, Japan) Naoko Takamizawa, Kaname Katsuraya, Mihoko Moto, Hidemaru Umemoto, Kazunaga Yazawa and Naotaka Hashizume

- PS5-12 “Effect of the take-up velocity on the higher-order structure of the electro-spun PLLA/PDLA blend nanofibers”
(Kyoto Institute of Technology, Japan) Masaki Yamamoto, Goro Nishikawa, Amalina M. Afifi and Hideki Yamane
- PS5-13 “Investigation on the physical and structural properties of multi-stereo block poly(lactic-acid) melt-spun fibers”
(Kyoto Institute of Technology, Japan) Yohanes Windu Widhianto, Kazunari Masutani, Yoshiharu Kimura and Hideki Yamane
- PS5-14 “Sequential enzymatic reaction by enzyme complex immobilized on cellulose matrix via cohesin–dockerin interaction”
(Kyushu University, Japan) Takashi Nogita, Hirofumi Ichinose and Takuya Kitaoka
- PS5-15 “Synthesis of alginic acid derivatives and its properties”
(The University of Tokyo, Japan) Fumihiko Oda, Daisuke Ishi, Akio Takemura and Tadahisa Iwata
- PS5-16 “Development of tissue-engineered cardiac patch based on silk fibroin”
(Tokyo University of Agriculture and Technology, Japan) Yasumoto Nakazawa, Shintaro Nemoto, Hideki Ozawa, Toshiki Saotome, Shouji Uesugi, Kota Sakura, Mari Sugimoto and Tetsuo Asakura
- PS5-17 “Enhancement of moisture permeation through bio-based polyurethane membrane thin film by forming microbead structure using water component in casting solution”
(Kumoh National Institute of Technology, South Korea) Seung Gu Kang, Oh Kyung Kwon and Byung Gil Min
- PS5-18 “Synthesis of glyceric acid polymers and copolymers”
(Kyoto Institute of Technology, Japan) Yukiko Imai, Kazunari Masutani and Yoshiharu Kimura
- PS5-19 “Structure formation of aqueous cellulose derivatives below lower critical solution temperature”
(Kyoto University, Japan) Koji Nishida, Yutaka Katayama, Rintaro Inoue and Toshiji Kanaya
- PS5-20 “Docking study of the cellulose synthase subunit D octamer of acetobactor xylinum with oligosaccharide ligands”
(Miyazaki University, Japan) Yuki Ikeda, Takuya Uto, Kenji Tajima, Min Yao and Toshifumi Yui
- PS5-21 “Manufacturing and analyses of according to the acid treated carboxymethyl cellulose foam”
(Korea Institute of Industrial Technology, South Korea) MinJi Yoon, JoonChul Lee, SongJun Doh and DaeYoung Lim
- PS5-22 “Synthesis and characterization of castor oil/polycaprolactone based biopolyurethane”
(Hanyang University, South Korea) Kyungkyu Choi, Seonghun Kim, Sangho Park and Kyungwha Oh
- PS5-23 “Preparation of polylactide foam for controlling algal bloom”
(Hanyang University, South Korea) Jong Hyuk Bae, You Jung Lee, Myung-Soo Han and Seong Hun Kim
- PS5-24 “Alkylation of the nanocellulose for the polylactide composite”
(Hanyang University, South Korea) Jong Hyuk Bae and Seong Hun Kim
- PS5-25 “Influence of surface treatment method on the mechanical properties of hemp fiber reinforced polyamide 1010 biomass composites”
(Kogakuin University, Japan) Jun Mukaida, Yosuke Nishitani and Takeshi Kitano
- PS5-26 “Fixation of functional molecules to silk fibroin materials”
(Nara Women's University, Japan) Tomoko Hashimoto, Rika Yoshikawa, Yuki Taniguchi, Tsunenori Kameda, Yasushi Tamada and Hiromichi Kurosu
- PS5-27 “Fabrication of the fibrous nanodrugs by the reprecipitation method and their cytotoxic activities”
(Tohoku University, Japan) Yoshitaka Koseki, Yoshikazu Ikuta, Tatsuya Murakami, Tsunenobu Onodera, Hidetoshi Oikawa and Hitoshi Kasai
- PS5-28 “Fabrication of electrospun silk fibroin nanofibers from silk fibroin aqueous solution”
(Shinshu University, Japan) Yuki Kishimoto and Hideaki Morikawa
- PS5-29 “Highly sensitive and selective nanoscale enzymatic glucose biosensor via electrospinning”
(Korea Advanced Institute of Science and Technology, South Korea) Kyu Oh Kim, Min Su Kwon, Ki Sung Sohn and Jong Min Kyung

S6 Composites and Industrial Textiles

- PS6-01 “Development of bio composites for heat and sound insulation”
(DKTE'S Textile and Engineering Institute, India) Aravin Prince Periyasamy and Saatish Lavate
- PS6-02 “Selective gas separation by metal–organic frameworks synthesized on cellulose nanofiber matrix”
(Kyushu University, Japan) Makoto Matsumoto and Takuya Kitaoka
- PS6-03 “Study of the ferroelectrics properties of the organic/inorganic composites”
(Kao Yuan University, Chinese Taipei) Cia-Ching Wu, Cheng-Fu Yang, Chien-Chen Diao and Chia-Lin Chen
- PS6-04 “The mechanical properties of discontinuous carbon fiber mat reinforced epoxy composite materials”
(Korea Institute of Industrial Technology, South Korea) Eun Soo Lee, Si Hoon Jang, No Hyung Park, Dae Young Lim and Ki Young Kim
- PS6-05 “Effect of carbon nanotube on micro structure of biodegradable polylactide nanocomposites”
(Hanyang University, South Korea) Sangho Park, Seonghun Kim and Hiroshi Ito
- PS6-06 “Investigation of chemically recycled poly(ethylene terephthalate)/virgin poly(ethylene terephthalate) prepared by melt blending process”
(Hanyang University, South Korea) Soohyun Lee and Seonghun Kim

- PS6-07 “The study feasibility in production roof tile from bagasse fiber mixed maize husk fiber”
(Pathumwan Institute of Technology, Thailand) Prayoon Surin and Jessada Wongon
- PS6-08 “Influence of type of PTFE on the rheological properties of PTFE filled semi-aromatic polyamide (PA6T) composites”
(Kogakuin University, Japan) Yuki Takenaka, Yosuke Nishitani and Takeshi Kitano
- PS6-09 “Influence of the type of CaCO₃ on the tribological properties of PA66/CaCO₃ composites evaluated by ball-on-plate type sliding wear tester”
(Kogakuin University, Japan) Kaito Itagaki, Yosuke Nishitani, Kenichiro Eguchi and Takeshi Kitano
- PS6-10 “Effect of addition of fillers on the tribological properties of PE/PP blends”
(Kogakuin University, Japan) Kazuma Mikawa, Yoshiaki Amano, Yosuke Nishitani and Takeshi Kitano
- PS6-11 “Proton conductive properties of polymer composite membranes filled with mesoporous organosilica”
(Tokyo University of Agriculture and Technology, Japan) Jin Nakamura and Yoichi Tominaga
- PS6-12 “Investigation of aramid bag filters to enhance filtration efficiency on a high temperature”
(Korea Institute of Industrial Technology, South Korea) Tae Hwan Lim, Sang Young Yeo and Yeong Og Choi
- PS6-13 “Local structure-local strength relationship for polyacrylonitrile-based carbon fibers”
(Tokyo Institute of Technology, Japan) Masatoshi Shioya, Kai Hayashi, Hidetaka Inoue, Yoshiki Sugimoto and Takayuki Kobayashi
- PS6-14 “The tribological properties of the polyamide 6 composite fibers”
(Tokyo Institute of Technology, Japan) Toshihira Irisawa, Haruki Kobayashi, Koichi Fujihira, Tatsuro Takamura and Masatoshi Shioya
- PS6-15 “Assessment of axial compression property of single carbon fiber”
(The University of Tokyo, Japan) Yoshiki Sugimoto, Toshihira Irisawa, Norio Iwashita and Kazuro Kageyama
- PS6-16 “Mechanical properties of multi-walled carbon nanotube/furan-based carbon composite”
(Kyoto Institute of Technology, Japan) Haruki Kobayashi, Masatoshi Shioya, Toshihira Irisawa, Katsufumi Tanaka, Yuya Yomogizawa and Aiko Yamatsuta
- PS6-17 “A Study on (Carbon/Glass) Knitted Fabric with PUD Surface Treatment and Their Composites”
(Kyoto Institute of Technology, Japan) Shunyu Tang, Jianping Wang, Yuqiu Yang and Hiroyuki Hamada

S7 International Conference on Advanced Fiber/Textile Materials

- PS7-01 “Cellulosic fiber-supported metallophthalocyanines for eliminating target recalcitrant contaminants in high backgrounds of complex constituents”
(Zhejiang Sci-Tech University, China) Nan Li, Wangyang Lu and Wenxing Chen
- PS7-02 “Effect of ozone-functionalized carbon nanotubes on UV resistance and compressive properties of poly(p-phenylene benzobisoxazole) fibers”
(Kumoh National Institute of Technology, South Korea) Duk Hyung Lee, Kwan Han Yoon and Byung Gil Min
- PS7-03 “Effect of 2,6-naphthalene dicarboxylic acid and nano-TiO₂ on ultraviolet-aging resistance of poly(p-phenylene benzobisoxazole) fibers”
(Kumoh National Institute of Technology, South Korea) Qingwei Wang, Kwan Han Yoon and Byung Gil Min
- PS7-04 “Effect of trifunctional 1,3,5-benzenetricarbonyl trichloride comonomer on UV resistance and compressive properties of poly(p-phenylene-2,6-benzobisoxazole) fiber”
(Kumoh National Institute of Technology, South Korea) Jin Woo Jang, Kwan Han Yoon and Byung Gil Min
- PS7-05 “Structural relaxation of porous polymer by crazing”
(Gifu University, Japan) Toshiaki Miyata, Yui Horiguchi, Shinya Takahashi and Akiyoshi Takeno
- PS7-06 “Development of biotechnological indigo reduction using bacterial strains isolated from fermented indigo”
(Chonnam National University, South Korea) Younsok Shin, Kyunghee Son, Eun Sil Choi and Dong Il Yoo
- PS7-07 “Dyeing properties and color characteristics of Alnus firma fruit extracts”
(Chonnam National University, South Korea) Jun Yan, Dong Il Yoo and Younsok Shin
- PS7-08 “FDTD simulation of optical properties of ideal and deformed porous silica photonic crystals”
(Shinshu University, Japan) Satoshi Yoneda, Hisanao Usami, Fuyu Itoh and Shigeru Yamanaka
- PS7-09 “Synthesis of graphene oxide @ silk fibers composites for sterilization device”
(Shinshu University, Japan) Jiangchao Song, Sijun Xu, Tao Chen, Yasushi Tamada, Long Li and Hideaki Morikawa
- PS7-10 “The visual influence of seat color on long-term sitting”
(Shinshu University, Japan) Hodaka Yamaguchi, Hiroaki Yoshida and Masayoshi Kamijo
- PS7-11 “Clar structures and π -electron distribution of small diameter near-zigzag carbon nanotube”
(Shinshu University, Japan) Dai Morikawa and N. Yasushi

- PS7-12 “Unique carbohydrate-binding module from GH 10 xylanase that can adsorb on cellulose strongly” (Shinshu University, Japan) Hiroto Nishijima, Kouichi Nozaki, Masahiro Mizuno, Tsutomu Arai and Yoshihiko Amano
- PS7-13 “Bending behavior of polymer-based electroactive nanocomposite actuator incorporated with modified CNTs” (Shinshu University, Japan) Gan Jet Hong Melvin, Toshiaki Natsuki and Qing-Qing Ni
- PS7-14 “SEM observation of core/shell microgels adsorbed at the oil/water interface” (Shinshu University, Japan) Yoshitaka Umeda and Daisuke Suzuki
- PS7-15 “X-ray CT metal artifact reduction for accurate non-destructive inspection” (Shinshu University, Japan) Toru Kano and Michihiko Koseki
- PS7-16 “Expression and properties of all beta-glucosidase isozymes from *Trichoderma reesei*” (Shinshu University, Japan) Boyang Guo, Kouichi Nozaki, Masahiro Mizuno and Yoshihiko Amano
- PS7-17 “3D pattern making of an upper garment using 3D surface data in a garment model being worn” (Shinshu University, Japan) Jun Zhang, KyoungOk Kim, Noriaki Inami and Masayuki Takatera
- PS7-18 “Self-assembling nano-architectures created from a building block using de novo protein WA20” (Shinshu University, Japan) Naoya Kobayashi, Keiichi Yanase, Takaaki Sato, Michael H. Hecht and Ryoichi Arai
- PS7-19 “Self-organization of thiophene-fused phthalocyanines” (Shinshu University, Japan) Hiroyuki Suzuki and Mustumi Kimura
- PS7-20 “Comparative analysis of genes on papaya Yh and Y chromosomes” (Shinshu University, Japan) Hiroki Ueno, Naoya Urasaki, Kentaro Yoshida, Satoshi Natsume, Kazuhiko Tarora, Ayano Shudo, Ryouhei Terauchi and Hideo Matsumura
- PS7-21 “Bulk-heterojunction solar cells composed of pyrene-cored donors” (Shinshu University, Japan) Keisuke Takemoto and Mutsumi Kimura
- PS7-22 “Preparation of the charged mosaic membrane based on nanofiber nonwoven and their solute permeability” (Shinshu University, Japan) Hiroto Misawa, Yuichi Hirata and Kunihiko Hamada
- PS7-23 “Silica coating on poly lactic acid nano-fiber nonwoven fabric” (Shinshu University, Japan) Toshiaki Kiso, Yuuichi Hirata and Kunihiko Hamada
- PS7-24 “Biochemical characterization of *Stenopsyche marmorata* silk gland proteins, Smsp-1 and Smsp-4” (Shinshu University, Japan) Kousaku Ohkawa, Masakazu Hachisu, Takaomi Nomura, Ryoichi Arai, Kimio Hirabayashi, Masuhiro Tsukada and Koji Abe
- PS7-25 “Synthesis of poly[N-4,4'-dimethoxybenzhydryl-glutamine] and poly[N-4,4'-dimethoxybenzhydryl-asparagine] and computations of chain conformations for possible polycondensation mechanisms” (Shinshu University, Japan) Kousaku Ohkawa, Yasuhiro Kawashima, Masakazu Hachisu and Jun Araki
- PS7-26 “Low modulus silicone rubber used methyltrimethoxysilane as crosslinking agent” (Shinshu University, Japan) Tatsuei Hara, Yushi Kan, Yasushi Murakami and Masami Kobayashi
- PS7-27 “Improvement of stab resistance of textiles by micro particle impregnation” (Shinshu University, Japan) Shunsuke Sato, Hideaki Morikawa, Limin Bao and Tetsuya Miyagawa
- PS7-28 “Development of a self-healing method for glass fiber-reinforced plastic” (Shinshu University, Japan) Takuya Okazawa, Kiyoshi Kemmochi and Limin Bao
- PS7-29 “Development of a new molding method for the continuous fiber-reinforced thermoplastic materials with cellulose thermoplastic resin” (Shinshu University, Japan) Yuji Nanki, Limin Bao, Kiyoshi Kenmochi and Anchang Xu
- PS7-30 “Evaluation of sleeping comfort by measurement of turning over while sleeping in bed” (Shinshu University, Japan) Masataka Aoi, Mayumi Uemae, Hiroaki Yoshida and Masayoshi Kamijo
- PS7-31 “Combination of cut and other cloth manipulations in cloth model handling for draping” (Shinshu University, Japan) Yuko Mesuda, Shigeru Inui and Yosuke Horiba
- PS7-32 “Development of the method for verification of textile simulation” (Shinshu University, Japan) Shigeru Inui and Yosuke Horiba
- PS7-33 “Swelling behaviors of sulfoethylated slide-ring gels” (Shinshu University, Japan) Kengo Igarashi and Jun Araki
- PS7-34 “Surface carboxylation of cellulose nanowhiskers using TEMPO supported by magnetite nanoparticles: The effect of co-oxidant amounts on degree of oxidation” (Shinshu University, Japan) Kenji Iwamoto and Jun Araki
- PS7-35 “Control of degree of substitution of polyrotaxane derivatives having quaternary ammonium groups” (Shinshu University, Japan) Yamato Takamizawa and Jun Araki
- PS7-36 “Cellulose nanowhiskers stabilized sterically by grafting of terminally-isocyanated monomethoxy poly(ethylene glycol)” (Shinshu University, Japan) Yukiko Bessho and Jun Araki
- PS7-37 “Development of bioinspired textiles for fog collection” (Shinshu University, Japan) Naoki Shigezawa, Shigeru Yamanaka, Yasushi Murakami, Fuyu Ito and Hideaki Morikawa

- PS7-38 “Construction of grid system for evolutionary computation on cloud environment”
(Shinshu University, Japan) Kiyotaka Sugiyama, Yoshiyuki Matsumura, Toshiyuki Yasuda and Kazuhiro Ohkura
- PS7-39 “Conversion of amino acids into isocyanato derivatives via Curtius rearrangement and subsequent addition to the polyrotaxane for preparation of amino acid-polyrotaxane derivatives”
(Shinshu University, Japan) Souki Sasatani and Jun Araki
- PS7-40 “Preparation of cellulose nanowhiskers / silver nanoparticles hybrids by different reduction methods”
(Shinshu University, Japan) Yasuhiro Hida and Jun Araki
- PS7-41 “Design and synthesis of a polyrotaxane having terminal end-capping groups capable of selective decomposition”
(Shinshu University, Japan) Yuta Honda and Jun Araki
- PS7-42 “Preparation of chitin nanowhisiker/ gold nanoparticles hybrids”
(Shinshu University, Japan) Yuuki Moriguchi and Jun Araki
- PS7-43 “Evaluation of clothing comfort of white shirt by experimented upper body dummy”
(Shinshu University, Japan) Kyohei Takahashi, Junki Kishimoto, Toshitaka Unno, Hiroyuki Kanai, Toyonori Nishimatsu and Kiyohiro Shibata
- PS7-44 “Evaluation of clothing comfort of terry room wear -Relation between design of pile yarns and clothing comfort-”
(Shinshu University, Japan) Hiroaki Murakoshi, Hiroyuki Kanai, Toyonori Nishimatsu and Syuuichi Hozumi
- PS7-45 “Rearing of transgenic silkworms with *Nephila pilipes dragline* gene”
(Shinshu University, Japan) Naoki Yanaoka, K. Kanazawa and Yujun Wang
- PS7-46 “Physical property and the structure of poly(L-lactic acid)/poly(butylene succinate)/poly(ethylene glycol) blends”
(Kyoto Institute of Technology, Japan) Kazunori Fujii, Weraporn Pivsa-Art, Hideki Yamane and Sommai Pivsa-Art
- PS7-47 Withdrawn
- PS7-48 “Investigation of value-added quality for denim fabrics”
(Kyoto Institute of Technology, Japan) Yuki Tomotaki and Sachiko Sukigara
- PS7-49 “Reduction of hair damage due to ultraviolet light by dyeing and treating of hair with flavonoids”
(Kyoto Institute of Technology, Japan) Yudai Fukuhara, Isao Wataoka, Hiroshi Urakawa and Hidekazu Yasunaga
- PS7-50 “Ink-jet printing using natural dyes”
(Kyoto Institute of Technology, Japan) Mafuyu Hashizuka, Hidekazu Yasunaga, Hiroshi Urakawa and Isao Wataoka
- PS7-51 “Design and construction of high-efficient biodevice by oriented enzyme immobilization for bio-fuel cells”
(University of Fukui, Japan) Ayako Koutou, Hiroaki Sakamoto, Takenori Satomura and Shin-ichiro Suye
- PS7-52 “Relation between textile structure and surface luster on polyester woven fabrics”
(University of Fukui, Japan) Tomoki Hatanaka, Hideyuki Uematsu, Yoshiyuki Iemoto, Shuichi Tanoue, Atsuji Masuda, Tetsuhiko Murakami, Miwa Iwashita and Seiji Kawabata
- PS7-53 “Fixation of porphyrin onto the non-woven fabrics by electron beam graft polymerization”
(University of Fukui, Japan) Junya Muramoto, Koji Kitamura, Koji Miyazaki and Teruo Hori

8 Functional Textiles

- PS8-01 “A study on durability improvement of textile using wool/PET/aramid spun yarn”
(Korea Institute of Industrial Technology, South Korea) Byeong Jin Yeang and In Woo Nam
- PS8-02 “Tribology of SiC fiber reinforced composites”
(Pukyong National University, South Korea) K. W. Nam, J. S. Ahn, J. W. Kim, S. H. Kim, H. W. Kim and H. R. Jeong

S9 Neo Fiber Technology

- PS9-01 “Morphological studies on assembling behavior of liquid silk”
(Gunma University, Japan) Yutaka Kawahara
- PS9-02 “Structural analysis and crystallization behavior of poly(1,4-cyclohexylenedimethylene terephthalate) containing isosorbide”
(Hanyang University, South Korea) Jun-Mo Koo
- PS9-03 “Ultrathin polypyrrole nanosheets doped with HCl as counter electrodes in dye-sensitized solar cells”
(Hanyang University, South Korea) Dong Ki Hwang