

Posters on 9/29 (Monday)

15:00 – 17:00 **P-1 ~ P-40** (Student Posters)

Core time: odd, 15:00–16:00; even, 16:00–17:00

(Presided by S. Nakano and W. Laiwattanapaisal)

- P-1** “*Stepwise injection photometric analysis on principles of heteropolycompound formations*”, K. A. Subbotina, A. B. Vishnikin, Y. K. Protsenko, L. N. Moskvin (*St. Petersburg State University, Russia; Dnipropetrovsk National University, Ukraine*)
- P-2** “*On-line preconcentration method for the determination of trace metals using Multi-Auto-Pret AES System*”, Rosi Ketrin, Toshio Takayanagi, Mitsuko Oshima, Yoshiaki Furusho, Masayuku Yamada, Shoji Motomizu (*Okayama University, Japan; GL Sciences, Japan; SII Nano Technology, Japan*)
- P-3** “*Multi-Auto-Pret AES System for rapid determination of trace metals in water samples*”, Rosi Ketrin, Yoshiaki Furusho, Masayuku Yamada, Shoji Motomizu (*Okayama University, Japan; GL Sciences, Japan; SII Nano Technology, Japan*)
- P-4** “*Graphite furnace atomic absorption spectrometry for the determination of trace lead and cadmium coupled with on-line solid phase extraction*”, Minoru Ueda, Norio Teshima, Tadao Sakai, Shoji Motomizu (*Aichi Institute of Technology, Japan; Okayama University, Japan*)
- P-5** “*Lab-at-valve on-line solvent extraction sequential injection determination of iron using ion association formation*”, Saiphon Chanpaka, Porntiwa Nuntaboon, Shoji Motomizu, Tadao Sakai, Prasak Thavornyutikarn, Kate Grudpan (*Chiang Mai University, Thailand; Okayama University, Japan; Aichi Institute of Technology, Japan*)
- P-6** “*Continuous flow system for mutual separation of aluminum(III), gallium(III) and indium(III) based on kinetically controlled extraction of metal ions*”, Saori Osanai, Masanobu Mori, Hideyuki Itabashi (*Gunma University, Japan*)
- P-7** “*Flow-injection photometric determination of cadmium(II) based on its catalysis of complex formation reaction of zinc(II) with TPPS*”, Akiko Okajima, Isao Shitanda, Masayuki Itagaki, Kunihiro Watanabe (*Tokyo University of Science, Japan*)
- P-8** “*Flow injection analysis of small amounts of platinum group metals by catalytic decomposition reaction of porphyrin analogue —Analysis of Ru(III)—*”, Takao Ohtomo, Shukuro Igarashi (*Ibaraki University, Japan*)
- P-9** “*A multi-syringe flow injection system using a long liquid waveguide capillary flow cell and a chelating resin for the ultra trace determination of iron in waters*”, Ricardo N.M.J. Páscoa, Ildikó V. Tóth, António O.S.S. Rangel (*Universidade Católica Portuguesa, Portugal*)
- P-10** “*Flow system for separation of inorganic anions with zirconia-based anion-exchange column*”, Tsutomu Fujikake, Masanobu Mori, Hideyuki Itabashi (*Gunma University, Japan*)
- P-11** “*Determination of trace elements in water sample by all injection analysis (AIA) system*

with solenoid valves”, Tsuyoshi Onozato, Nobuko Sato, Masanobu Mori, Hideyuki Itabashi (Gunma University, Japan)

- P-12** “*Flow injection assay of iodate in iodized salt”, Sokid Pencharee, Jaroon Jakmunee, Jaroon Junsomboon, Janpen Intraprasert, Kate Grudpan (Ubon Ratchathanee University, Thailand; Chiang Mai University, Thailand)*
- P-13** “*Cyclic flow injection analysis for determination of cyanide using xylene orange-mercury(II) complex”, Masumi Yumoto, Takashi Yokoyama, Michio Zenki (Okayama University of Science, Japan)*
- P-14** “*Determination of chemical oxygen demand by flow injection analysis using mixed oxidizing reagents”, Masamitsu Shibuya, Takashi Yokoyama, Michio Zenki (Okayama University of Science, Japan)*
- P-15** “*Development of a sequential injection system for the determination of nitrite and nitrate in estuarine waters”, Raquel B. R. Mesquita, M. Teresa S. O. B. Ferreira, and António O. S. S. Rangel (Universidade Católica Portuguesa, Portugal)*
- P-16** “*Capillary zone electrophoresis of inorganic anions using polymer coated capillary column”, Maki Kaseda, Tomoko Ikeda, Masanobu Mori, Hideyuki Itabashi (Gunma University, Japan)*
- P-17** “*Retaining single chlorella cell using microfluidic device to study the absorption process with Cu²⁺ gradient injection”, Yuan-feng Pang, Hai-fang Li, Jin-Ming Lin (Tsinghua University, China)*
- P-18** “*Flow-injection chemiluminescence determination of cobalt using luminol in a reversed micellar medium of cetyltrimethylammonium chloride in 1-hexanolcyclohexane”, Hideyuki Takahashi, Yasuaki Urabe, Yasuaki Okamoto, Satoshi Tsukahara, Terufumi Fujiwara (Hiroshima University, Japan)*
- P-19** “*A flow through microchip: High throughput approach for assessing total antioxidant capacity”, Jirayu Sitanurak, Sirirat Panich, Maliwan Amatatongchai, Nuanlaor Ratanawimarnwong, Adisorn Tuantranont, Duangjai Nacapricha (Flow Innovation-Research for Science and Technology Laboratories, Thailand; Mahidol University, Thailand; Ubonratchathani University, Thailand; Srinakharinwirot University, Thailand; National Electronics and Computer Technology Center, Thailand)*
- P-20** “*Integration of TiO₂ photocatalytic reactors in flow devices constructed on PMMA substrates”, Eunice R.G.O. Rodrigues, M. Gabriela T.C. Ribeiro, Rui A.S. Lapa (Universidade do Porto, Portugal)*
- P-21** “*Application of amplitude modulated multiplexed flow analysis for the simultaneous determination of multiple analytes”, Takuto Mima, Masaki Takeuchi, Hideji Tanaka (Tokushima University, Japan)*
- P-22** “*Sequential injection system for phospholipase A2 activity studies on liposomes using an environment-sensitive fluorescent probe”, André R.T.S. Araujo, M. Lúcia M.F.S. Saraiva, Diana Gaspar, Marlene Lúcio, Salette Reis, João L.M. Santos, José L.F.C. Lima (University of Porto, Portugal)*

- P-23** “Determination of trace amounts of arsenic by constant current stripping analysis method using screen-printed carbon electrode”, Wanida Wonsawat, Charoenkwan Kraiaya, Suchada Chuanuwatanakul, Orawon Chailapakul, Shoji Motomizu (*Chulalongkorn University, Thailand; Okayama University, Japan*)
- P-24** “Carbon felt-based bioelectrocatalytic flow detectors: Chemical modification of tyrosinase onto amino-functionalized carbon felt using various coupling reagents”, Yue Wang, Yasushi Hasebe (*Saitama Institute of Technology, Japan; University of Science and Technology Liaoning, China*)
- P-25** “Development of ATP sensing electrode for electrochemical detector by using molecularly imprinted overoxidized polypyrrole”, Shintaro Takeda, Satoru Mizuguchi, Hitoshi Funahashi, Hiroshi Shiigi, Tsutomu Nagaoka (*Osaka Prefecture University, Japan; Atect corporation, Japan*)
- P-26** “Flow injection system with gas diffusion and conductometric detection for determination of Kjeldahl proteins in milk and chicken meat”, Jaroon Junsomboon, Jaroon Jakmunee (*Chiang Mai University, Thailand*)
- P-27** “Simple and selective method for determination of acetaldehyde and ethanol by gas-diffusion flow injection”, Prewpan Inpota, Natta Wiriyakun, Kanyaporn Jaranayoot, Wannisa Thanateboorapashup, Patthama Kam-Oun, Arunee Kongsakphaisal, Thitima Bhusrisom, Duangjai Nacapricha, Nathawut Choengchan (*Flow Innovation-Research for Science and Technology Laboratories, Thailand; King Mongkut's Institute of Technology Ladkrabang, Thailand; Mahidol University, Thailand*)
- P-28** “Enhancement of conductimetric response using Na^+ -formed cation-exchange resin as post-column reactant on ion-exclusion chromatography of aliphatic carboxylic acids”, Tomotaka Iwata, Masanobu Mori, Hideyuki Itabashi, Kazuhiko Tanaka (*Gunma University, Japan; Hiroshima University, Japan*)
- P-29** “Development of a Lab-on-Valve based strategy for preconcentration of UV filters using renewable solid-phase extraction”, Hugo M. Oliveira, Marcela A. Segundo, José L.C.F. Lima, Manuel Miró, Victor Cerdà (*Universidade do Porto, Portugal; University of the Balearic Islands, Spain*)
- P-30** “Determination of diazinon in water samples by HPLC after preconcentration with multiwalled carbon nanotubes”, Yusuke Nakaoka, Hideyuki Katsumata, Satoshi Kaneco, Tohru Suzuki, Kiyohisa Ohta (*Mie University, Japan*)
- P-31** “Analysis of extractives from a skin by using high performance liquid chromatography”, Itaru Ota, Hiroaki Matumoto, Hiroshi Shiigi and Tutomu Nagaoka (*Osaka Prefecture University, Japan*)
- P-32** “Simultaneous determination of different kinds of surfactants by flow-based immunoassay using quantum dots and magnetic microbeads”, RuiQi Zhang, Hizuru Nakajima, Nobuaki Soh, Koji Nakano, Kazuhira Sakamoto, Toshihiko Imato (*Kyushu University, Japan; Yabegawa Electronic Engineering Co. Ltd., Japan*)
- P-33** “Flow immunoassay for alkylphenol polyethoxylate using a portable surface plasmon

resonance sensor”, Mayumi Tanaka, Hizuru Nakajima, Nobuaki Soh, Koji Nakano, Kazuhira Sakamoto, Toshihiko Imato (*Kyushu University, Japan; Yabegawa Electronic Industry Co. Ltd., Japan*)

- P-34** “*Sequential injection-capillary immunoassay for chondroitin sulphate proteoglycans*”, Supada Khonyoung, Jaroon Jakmunee, Prachya Kongtawelert, Kate Grudpan, Supaporn Kradtap Hartwell (*Chiang Mai University, Thailand*)
- P-35** “*Flow injection analysis of angiotensin I-converting enzyme inhibitory activity with immobilized-enzyme reactors*”, Le Hoang Lam, Tomoko Shimamura, Munetaka Ishiyama, Hiroyuki Ukeda (*Kochi University, Japan; Dojindo Laboratories, Japan*)
- P-36** “*Evaluation of properties of catechin as a tyrosinase inhibition with the use of the FIA system*”, Takahiro Satoh, Norio Maezumi, Yasuhiro Iida (*Kanagawa Institute of Technology, Japan; Coper Electronics Co., Ltd., Japan*)
- P-37** “*Exploiting π-acceptors in the determination of thyroid hormones (T3 and T4) using Single Interface Flow Analysis*”, Cristina I. C. Silvestre, João L. M. Santos, José L. F. C. Lima (*Universidade do Porto, Portugal*)
- P-38** “*Hydrogen peroxide determination: a comparative study of spectrophotometric reactions by flow injection analysis*”, Joana Ribeiro, Marcela A. Segundo, Salette Reis, José L.F.C. Lima (*Universidade do Porto, Portugal*)
- P-39** “*Development of a microfluidic system and application of the system with use of immobilized acid urease to screening of urease inhibitors from herbal medicines*”, Hiroomi Kan, Sho Aki, Yasuhiro Iida (*Kanagawa Institute of Technology, Japan*)
- P-40** “*Determination of zinc(II) ions with use of enzyme switching mechanism*”, Daisuke Nojima, Ikuro Satoh, Yasuhiro Iida (*Kanagawa Institute of Technology, Japan*)

9/30 (Tuesday)

15:30 – 17:30 **P-41 ~ P-80** (some for students)

Core time: odd, 15:30 – 16:30; even, 16:30 – 17:30

(Presided by I. Satoh and J. Jakmunee)

- P-41** “*Development of a portable device for barium determination with ship-board applicability and functionality (flow injection analysis (FIA) optode)*”, Lilibeth dLC. Coo, Abegail Z. Rasco (*University of the Philippines, Philippines*)
- P-42** “*Online determination of copper in metal solution including aluminum by micro-chemical chip solvent extraction with isotope dilution ICP-MS method*”, Tsuyoshi Kagawa, Masashi Ohno, Tatsuya Seki, Katsumi Chikama (*Nissan Chemical Industries, Ltd., Japan*)
- P-43** “*Development of a surface plasmon resonance immunosensor for rapid and sensitive 2,4-DNT detection*”, Kazutaka Nagatomo, Kiyoshi Toko, Norio Miura, Kiyoshi Matsumoto (*Kyushu University, Japan*)
- P-44** “*Evaluation of calcium supplement by ion chromatography*”, Chisato Hara, Akira Kurosu, Tomio Matumoto, Masanobu Mori, Hideyuki Itabashi (*Gunma University, Japan; Den Show, Co., Japan*)
- P-45** “*A carbon nanotubes -copperhexacyanoferate composite electrode and its application for the determination of sulphite by pervaporation flow injection amperometry*”, Lori Shayne T. Alamo, Sakchai Satienperakul and Tanin Tangkauram (*Maejo University, Thailand*)
- P-46** “*Flow injection tandem mass spectrometric method for the identification of pyrethroids*”, Sri Chaitanya Chainulu, Shukla S.K., Sarma P.N. (*Central Forensic Science Laboratory, India; Indian Institute of Chemical Technology, India*)
- P-47** “*The determination of furazolidone, nitrofurantoin and nitrofurazone in honey and bee products by HPLC utilizing a post-column chemiluminescence detection*”, Chanyarat Tatana, Sakchai Satienperakul (*Maejo University, Thailand*)
- P-48** “*Flow injection chemiluminescence determination of neomycin sulfate in pharmaceutical formulations based on enhancing potassium ferrocyanide catalysed luminol-hydrogen peroxide reaction*”, Pawinee Thongsrisomboon, Boonsom Liawruangrath, Saisunee Liawruangrath, Sakchai Satienperakul (*Chiang Mai University, Thailand; Maejo University, Thailand*)
- P-49** “*An automated flow-through optical sensor based on polymer inclusion membrane for the determination of copper*”, Faiz B. Mohd Suah, Robert W. Cattrall, Spas D. Kolev (*The University of Melbourne, Australia; La Trobe University, Australia*)
- P-50** “*The high adsorptive activity of a cup-stacked carbon nanotube for enzyme protein and its application to bio flow-injection analysis of glucose*”, Tatsuo Noda, Tadao Ukai, Hideaki Hisamoto, Toshio Yao (*Osaka Prefecture University, Japan; Mitsui Chemicals, Japan*)
- P-51** “*Sequential injection square wave anodic stripping voltammetry with monosegmented*

flow and bismuth film electrode for determination of cadmium and lead", Watsaka Siriangkhawut, Somkid Pencharee, Kate Grudpan, Jaroon Jakmunee (*Chiang Mai University, Thailand; Ubon Rajathanee University, Thailand*)

- P-52** "Separation/preconcentration and determination of cadmium ions by solidification of floating organic drop microextraction and determination by FI-AAS", Shyesteh Dadfarnia, Ali Mohammad Haji Shabani, Elahe Kamranzadeh (*Yazd University, Iran*)
- P-53** "Partitioned dispersive liquid-liquid microextraction as a new approach for the sample preparation of polar organic compounds prior to liquid chromatography", Mahaveer B. Melwanki, Ming-Ren Fuh (*Soochow University, Taiwan*)
- P-54** "Determination of polycyclic aromatic hydrocarbons in urine using a modified dynamic headspace single drop microextraction", Jing-Shan Chiang, Shang-Da Huang (*National Tsing Hua University, Taiwan*)
- P-55** "Anion exchanger as a reaction/separation medium—spectrophotometric determination of trace amounts of boron in water and steel by on-line complexation with chromotropic acid presorbed on the anion-exchange column", Kazuhisa Yoshimura, Chaoying Shao, Satoshi Uryu, Ko Takehara, S. Matsuoka, Y. Miyazaki (*Kyushu University, Japan; Niigata University, Japan; Fukuoka University of Education, Japan*)
- P-56** "Synthesis of novel chitosan resins for collection and concentration of trace uranium and development of on-line pretreatment system", Koji Oshita, Toshio Takayanagi, Mitsuko Oshima, Shoji Motomizu (*Kibi International University, Japan; Okayama University, Japan*)
- P-57** "Determination of rare earth elements in seawater by ICP-MS with on-line column pre-concentration", Takashi Sumida, Tetsuya Nakazato, Hiroaki Tao, Mitsuko Oshima, Shoji Motomizu (*Kochi Prefectural Industrial Technology Center, Japan; National Institute of Advanced Industrial Science and Technology, Japan; Okayama University, Japan*)
- P-58** "Determination of amlodipine in amlodipine besylate tablets by reverse flow injection chemiluminescence technique", Araz. M. Yousif, Shirwan. O. Baban, Azad. T. Faizulla (*University of Salahaddin, Iraq*)
- P-59** "Characterization of diffusion and mixing phenomena in microfluidic FIA systems", Yoshimasa Takabayashi, Tatsuya Fujino, Takashi Korenaga (*Tokyo Metropolitan University, Japan*)
- P-60** "Microfluidic systems for determination of L-glutamate based on enzymatic recycling of substrate", Wanida Laiwattanapaisal, J. Yakovleva, Martin Bengtsson, Thomas Laurell, S. Wiyakrutta, V. Meevoottisom, Orawan Chailapakul, J. Emnéus (*Chulalongkorn University, Thailand; Mahidol University, Thailand; Evolva AG, Switzerland; Lund University, Sweden; Technical University of Denmark, Denmark*)
- P-61** "Detection method of inorganic polyphosphates in flow analysis based on particle formation–laser light scattering", Makaki Ando, Shinya Kitagawa, Hajime Ohtani (*Nagoya Institute of Technology, Japan*)

- P-62** “Novel approach to titration in flow injection analysis basing on the merging zones technique”, Marzena Wójtowicz, Joanna Kozak, Karolina Danielewska, Paweł Kościelniak (*Jagiellonian University, Poland*)
- P-63** “Batch wise microanalysis with the aids of lab-at-valve and sequential injection”, Kanchana Watla-iad, Kate Grudpan (*Chiang Mai University, Thailand; Mea Fah Luang University, Thailand*)
- P-64** “Flow injection sampling and eluent delivery in low pressure ion chromatography : low cost, portable, on-site analysis and monitoring device”, Petr Kubáň, Pavlína Pelcová, Purnendu K. Dasgupta, Vlastimil Kubáň (*Mendel University of Agriculture and Forestry, Czech Republic; University of Texas at Arlington, USA*)
- P-65** “Sequential injection chromatography for quality control of food and soft drink”, Somchai Lapanantnoppakhun, Witsanu Jangbai, Lucksagoon Ganranoo, Somkid Pencharee, Wasin Wongwilai, Kate Grudpan (*Chiang Mai University, Thailand; Ubon Rajathanee University, Thailand*)
- P-66** “Hydroxyapatite as an adsorption matrix for FIA armed with a laccase column”, Ikuo Satoh, Yoshiki Kobayashi, Shin-ya Arai, Emi Aoki (*Kanagawa Institute of Technology, Japan*)
- P-67** “Pervaporation flow injection procedure for the determination of sulphite in pickled food by using a sensitive potassium permanganate-rhodamine-B chemiluminescence detection”, Sakchai Satienperakul, Pornthana Phongdong, Saisunee Liawruangrath (*Maejo University, Thailand; Chiang Mai University, Thailand*)
- P-68** “Catalytic effect of metal ions on chemiluminometric sequential injection analysis with luminol - H_2O_2 system”, Toshio Takayanagi, Yuya Inaba, Hiroyuki Kanzaki, Yasutaka Jyoichi, Shoji Motomizu (*Okayama University, Japan*)
- P-69** “Flow injection analysis of formaldehyde and ammonia in water by novel hantzsch detection reaction”, Qiong Li, Mitsuko Oshima, Yun-Hua Gao, Shoji Motomizu (*Okayama University, Japan; Chinese Academy of Sciences, China*)
- P-70** “Flow-injection kinetic determination of nanogram levels of formaldehyde by spectrophotometry”, Katsuhisa Shimada, Tetsurou Shimoda, Hisao Kokusen, Shigenori Nakano (*Aqualab Co. Ltd , Japan; Hokkaido Pharmaceutical University, Japan; Tottori University, Japan*)
- P-71** “An automated stopped-flow injection spectrofluorometric determination of formaldehyde”, Wasin Wongwilai, Jaroon Jakmunee, Somchai Lapanantnoppakhun, Shoji Motomizu, Kate Grudpan (*Chiang Mai University, Thailand; Okayama University, Japan*)
- P-72** “Development of automated chemical analysis system using flow injection technique and its application to preconcentration and continuous monitoring system”, Keiro Higuchi, Norio Teshima, Tadao Sakai, Ken-ichi Kurahashi (*Ogawa & Co., Ltd., Japan; Aichi Institute of Technology, Japan; Kurahashi Giken Corp., Japan*)
- P-73** “Automated preconcentration with chelating resin column for ICP-AES and application

to the determination of multi elements in water samples”, Mutsuko Akasaka, Mitsuko Oshima, Shoji Motomizu, Keiro Higuchi (Okayama University, Japan; Ogawa & Co. Ltd., Japan)

- P-74** “*Sequential injection with fluorimetric detection for the determination of albumin in human blood*”, Chakorn Chinvongamorn, Usakorn Kunanuvat, Wichaporn Intharachuti, Wanida Laiwattanapaisal, Orawan Chailapakul (*Rajamangala University of Technology Thanyaburi, Thailand; Chulalongkorn University, Thailand*)
- P-75** “*Utilization of sequential injection analysis system for successive determination of albumin and creatinine in urinary samples*”, Weena Siangproh, Norio Teshima, Tadao Sakai, Shuji Katoh, Orawan Chailapakul (*Aichi Institute of Technology, Japan; Srinakharinwirot University, Thailand; Asahi University, Japan; Chulalongkorn University, Thailand*)
- P-76** “*Development and integration of active polymer monoliths for high-throughput bioanalysis*”, Tomonari Umemura, Hiroharu Kobayashi, Yuka Takasaki, Yuji Ueki, Masao Tamada, Hiroki Haraguchi (*Nagoya University, Japan; Japan Atomic Energy Research Institute, Japan*)
- P-77** “*MSFIA system with anionic exchanger membrane disk to speciation of mercury*”, A. M. Serra, J. M. Estela and V. Cerdà (*University of the Balearic Islands, Spain*)
- P-78** “*FIA for determination of sulfate ion using solid-membrane adsorbed barium sulfate –Effect of salt in carrier solution–*”, Takashi Yokoyama, Kanae Morishita, Chika Dohmen, Michio Zenki (*Okayama University of Science, Japan*)
- P-79** “*Chemical speciation of chromium present in different oxidation states in natural waters by using flow injection-solid phase spectrometry*”, Shiro Matsuoka, Yu Nakatsu, Ko Takehara, Sulistyo Saputro, Kazuhisa Yoshimura (*Niigata University, Japan; Kyushu University, Japan; Sebelas Maret University, Indonesia*)
- P-80** “*Automated on-line microdialysis sampling coupled with flow injection high-performance liquid chromatography for simultaneous determination of malondialdehyde and ofloxacin in whole blood*”, Yeou-Lih Huang, Guan-Wen Cheng, Hsin-Lung Wu (*Kaohsiung Medical University, Taiwan*)

10/2 (Thursday)

15:00 – 17:00 **P-81 ~ P-121**

Core time: odd, 15:00 – 16:00; even, 16:00 – 17:00

(Presided M. Ishii and A.S. Attiyat)

- P-81** “*Determination of available phosphorus in soils by using a new extraction procedure and flow injection amperometric system*”, Jaroon Jakmunee, Jaroon Junsomboon (*Chiang Mai University, Thailand*)
- P-82** “*Flow injection with sensitive conductometric detection for determination of ammonium in soil and water*”, Jaroon Jakmunee, Jaroon Junsomboon (*Chiang Mai University, Thailand*)
- P-83** “*Highly sensitive chemiluminescent determination of hydrogen ion by means of FIA —Study on chemiluminescent reaction mechanism*”, Megumi Tashiro, Tomoe Komatsu, Kibuko Suehiro, Mikita Ishii, Masaaki Yamada (*Tokyo Metropolitan University, Japan; Shizuoka University of Welfare, Japan*)
- P-84** “*C hemiluminescent visualization of surfactant solvatochromism by reversed stopped flow method*”, Tomoe Komatsu, Kibuko Suehiro, Mikita Ishii (*Shizuoka University of Welfare, Japan*)
- P-85** “*A new glass-syringe type flow cell for simple fluorometric determination of selenium*”, Yasutada Suzuki, Naoki Hashigaya, Susumu Kawakubo (*University of Yamanashi, Japan*)
- P-86** “*Determination of traces of palladium by FIA using on-line preconcentration with QuadraSil TA*”, Junichi Nakajima, Masashi Ohno, Katsumi Chikama, Tatsuya Seki, Koichi Oguma (*Nissan Chemical Industries, Ltd., Japan; Chiba University, Japan*)
- P-87** “*Automatic determination of arsenic in waste water by Flow injection spectrophotometry*”, Satoshi Mizuno, Kenichi Tomioka, Minoru Takeya, Yutaka Hayashibe (*Mitsubishi Materials Corporation, Japan*)
- P-88** “*Sensitive determination of iodine in some samples by ion chromatography with UV detection*”, Naoko Haba, Kazuaki Ito, Hiroko Kataoka, Yasuaki Okamoto, Terufumi Fujiwara, Takeshi Hirokawa (*Kinki University, Japan; Hiroshima University, Japan*)
- P-89** “*Monitoring of vitamin C species in aqueous solution by flow injection analysis coupled with an on-line separation with reversed-phase column*”, Toshio Takayanagi, Masato Nishiuchi, Minako Ousaka, Mitsuko Oshima, Shoji Motomizu (*Okayama University, Japan*)
- P-90** “*Integrated multi-sensor chip with photocured polymer membranes for direct ion determination in blood serum*”, Andrey Ipatov, Natalia Abramova, Andrey Bratov (*Centro Nacional de Microelectrónica, Spain*)
- P-91** “*Rapid test for trans-fatty acid*”, Wiyarat Kumutanat, Wasin wongwilai, Kate Grudpan, Somchai Lapanantnoppakhun (*Chiang Mai University, Thailand*)
- P-92** “*Exploiting liquid-liquid extraction in a single interface flow system*”, José L.F.C. Lima, Cristina I.C. Silvestre, João L.M. Santos (*University of Porto, Portugal*)

- P-93** “*Determination of hypoxanthine and potassium in vitreous humor by a sequential injection analysis system and its application in the estimation of postmortem interval*”, Marieta L. C. Passos, Ana M. Santos, Ana I. Pereira, J. Rodrigo Santos, Agostinho J.C. Santos, M. Lúcia M. F. S. Saraiva, José L. F. C. Lima (*Universidade do Porto, Portugal*)
- P-94** “*Exploiting biocatalysis in SIA systems*”, André R. T. S. Araújo, Marieta L. C. Passos, Paula C. A. G. Pinto, José L. F. C. Lima, M. Lúcia M. F. S. Saraiva (*Universidade do Porto, Portugal*)
- P-95** “*Sequential injection fluorimetric determination of tin (Sn(IV)) in juices of canned fruit*”, Elane S. Boa Morte, Paula C.A.G. Pinto, M. Lúcia M.F.S. Saraiva, José L. F. C. Lima, Maria das Graças A. Korn (*Universidade Federal da Bahia, Brasil; Universidade do Porto, Portugal*)
- P-96** “*Development of a multi-pumping flow system for the spectrophotometric determination of indapamide*”, David S. M. Ribeiro, João A.V. Prior, João A. Lopes, João L. M. Santos, José L. F. C. Lima (*University of Porto, Portugal*)
- P-97** “*Determination of pindolol in pharmaceutical preparations by sequential injection analysis with chemiluminescence detection*”, Miroslav Polášek, Jana Havelková, Petr Solich, Hana Sklenářová (*Charles University, Czech Republic*)
- P-98** “*FIA of glucose using bioreactor/biodetector-coupled system with enzymes and organic dyes-coadsorbed carbon felts*”, Yasushi Hasebe, Masaki Hirono, Ryota Komuro (*Saitama Institute of Technology, Japan*)
- P-99** “*Fast and sensitive determination of sulfanamides using a monolithic column coupled with boron-doped diamond electrode*”, Orawon Chailapakul, Haruthai Sangjarusvichai, Wijitar Dungchai (*Chulalongkorn University, Thailand*)
- P-100** “*Determination of the pharmaceutical Sulphamethoxazol in pharmaceutical formulations by photo-induced luminescence in a continuous-flow manifold*”, D. López Malo, J. R. Albert García, J. Martínez Calatayud (*University of Valencia, Spain*)
- P-101** “*Simultaneous development of dissolution profiles by a Multicommunication assembly*”, A. R. Pirés, D. López Malo, J. R. Albert García, J. Martínez Calatayud (*University of Valencia, Spain*)
- P-102** “*Analysis of pesticides in soil samples by photo-induced luminescence and Multicommunication*”, D. López Malo, J. R. Albert García, J. Martínez Calatayud (*University of Valencia, Spain*)
- P-103** “*Determination of vitamin C in some fruits using molybdenum salts by flow based techniques*”, Wiyarat Kumutanat, Wasin Wongwilai, Krittiya Koonyotying, Kate Grudpan, Shoji Motomizu, Tadao Sakai, Somchai Lapanantnoppakhun (*Chiang Mai University, Thailand; Okayama University, Japan; Aichi Institute of Technology, Japan*)
- P-104** “*Development of a flow-based dichlorophenolindophenol precipitation system for screening of hemoglobin E*”, Warisara Khotchasit, Sutthichat Kerdphon, Torpong sanguansermsri, Jaroon Jakmunee, Somchai Lapanantnoppakhun, Supaporn Kradtap Hartwell, Kate Grudpan (*Chiang Mai University, Thailand*)

- P-105** “*Simple labs on chip approach with time-based detection*”, K. Grudpan, J. Jakmunee, W. Jangbai, K. Jitmanee, J. Junsomboon, T. Kanyanee, S. Kradtap Hartwell, W. Kumutanat, A. Laokuldilok, S. Lapanantnoppakhun, P. Nuntaboon, S. Pencharee, K. Ponhong, W. Siriangkhawut, W. Sripaoraya, S. Suphareok, S. Tontrong, K. Watla-iad, W. Wongwilai (*Chiang Mai University, Thailand; Ubon Rajathanee University, Thailand; Mae Fah Luang University, Thailand*)
- P-106** “*Reversed flow injection spectrophotometric determination of chlorate*”, Saisunee Liawruangrath, Thanyarat Chuesaard (*Chiang Mai University, Thailand*)
- P-107** “*Flow injection spectrophotometric determination of trace copper (II) with in waste water based on copper-dithizone in non-ionic surfactant medium*”, Saisunee Liawruangrath, Boonsom Liawruangrath, Prasert Prasertgitwatana (*Chiang Mai University, Thailand*)
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