

## Session schedule

For posters with **odd** ID numbers: 5:00 p.m. - 7:00 p.m. on July 1

For posters with **even** ID numbers: 2:30 p.m. - 4:30 p.m. on July 2

### Effects of endocrine disrupting chemicals

**P-001 THE OBESITY AND GENE EXPRESSION CHANGES CAUSED BY TRIBUTYL TIN (TBT) AND PERFLUORO-OCTANESULFONATE (PFOS) ON JAPANESE MEDAKA (*ORYZIAS LATIPES*)**

Kun Chen, Tomomi Yoshino, Naoto Iwasaki, Kousuke Tashiro, Yohei Shimasaki, Yuji Oshima

**P-002 EFFECTS OF PFAS ON THE THYROID FUNCTION OF PERCH (*PERCA FLUVIATILIS*)**

Lina Birgersson, Joachim Sturve

**P-003 EFFECTS OF PRENATAL EXPOSURE TO BISPHENOL A ON THE LIVER WEIGHT AND HEPATIC GENE EXPRESSION IN RAT OFFSPRING**

Kimika Yamamoto, Hoa Thanh Nguyen, Tetsuro Agusa, Masashi Hirano, Mari Ochiai, Eun-Young Kim, Hisato Iwata

**P-004 REPRODUCTIVE AND TRANSGENERATIONAL EFFECTS OF EQUILIN IN JAPANESE MEDAKA (*ORYZIAS LATIPES*) AND HEPATIC ESTROGEN-RESPONSIVE GENE EXPRESSION**

Hiroshi Ishibashi, Masaya Uchida, Keisuke Yoshimoto, Ryoko Yamamoto, Nobuaki Tominaga, Yasuhiro Ishibashi, Koji Arizono

**P-005 USING JUVENILE ZEBRAFISH (*DANIO RERIO*) TO STUDY POTENTIAL OBESOGENIC POLLUTANTS**

Anna Mentor, Björn Brunström, Maria Jönsson

**P-006 *IN VIVO* AND *IN SILICO* ASSESSMENT OF ESTROGEN-LIKE EFFECTS OF BISPHENOL ANALOGUES IN ZEBRAFISH**

Yumi Wakayama, Michiko Nakamura, Yuri Morita, Yuka Yoshinouchi, Hisato Iwata, Masashi Hirano, Haruhiko Nakata, Yusuke Kawai, Akira Kubota

### Characterization of receptors

**P-007 MOLECULAR STRUCTURAL ANALYSIS OF SPECIFIC LIGAND ACTIVITY OF POLAR BEAR (*URSUS MARITIMUS*) AHR**

Jihee Hwang, Kurunthachalam Kannan, Thomas J. Evans, Hisato Iwata, Eun-Young Kim

**P-008 ESTABLISHING A CELL-FREE METHOD FOR XENOBIOTIC DETECTION USING LIGAND ACTIVATED RECEPTORS FROM THE ATLANTIC COD (*GADUS MORHUA*)**

Siri Øfsthus Goksøy, Bjørn Einar Grøsvik, Daniela Pampanin, Anders Goksøy, Odd André Karlsen

**P-009 IMPROVED LIGAND BINDING PREDICTION OF ARYL HYDROCARBON RECEPTOR BY INTERSPECIFIC HOMOLOGY MODELING**

Dong-Hee Koh, Eun-Young Kim

**P-010 ASSESSMENT OF HEAVY OIL-DERIVED PAHS FOR RED SEABREAM AHR ACTIVATION BY *IN SILICO* AND *IN VITRO* APPROACHES**

Su-Min Bak, Haruhiko Nakata, Hisato Iwata, Eun-Young Kim

**P-011 ARYL HYDROCARBON RECEPTOR SEQUENCE FROM THE CAECILIAN *GYMNOPIS MULTIPLICATA* SUGGESTS LOW DIOXIN AFFINITY IS COMMON TO ALL THREE AMPHIBIAN ORDERS**

Sarah Kazzaz, Wade H. Powell

**P-012 SPECIES DIFFERENCES IN TRANSACTIVATION POTENCIES OF SEAL AND DOG ESTROGEN RECEPTORS BY HYDROXYLATED PCBS**

Yuka Yoshinouchi, Hiroki Okuda, Masashi Hirano, Kei Nomiyama, Shinsuke Tanabe, Eun-Young Kim, Hisato Iwata

**P-013 *IN SILICO* AND *IN VITRO* SCREENING OF THE EFFECTS OF PPCPS ON MYSID ECDYSTEROID RECEPTOR SIGNALING**

Masahi Hirano, Yuki Ohno, Hisato Iwata

**P-014 FUNCTIONAL CHARACTERIZATION OF NUCLEAR RECEPTORS AND THE ARYL HYDROCARBON RECEPTOR OF BLUE AND FIN WHALES *IN VITRO***

Roger Lille-Langøy, Lene Øygarden, Katharina Lühmann, Kit M. Kovacs, Christian Lydersen, Anders Goksøyr, Heli Routti

**P-015 CLONING OF CHERRY SHRIMP ECDYSONE RECEPTORS AND RETINOID X RECEPTORS FOR THE DEVELOPMENT OF A REPORT GENE ASSAY OF XENOBIOTIC SUBSTANCES**

Yuk Hang Chan, Hiu Yang Yu, Jing Qin, Zacary Chai, Ting Fung Chan, Ka Hou Chu, King Ming Chan

**P-016 ASSESSMENT OF PXR MUTANT ZEBRAFISH *DANIO RERIO***

Matthew C. Salanga, Rene Francolini, John J. Stegeman, Jared V. Goldstone

**Omic approaches**

**P-017 HEPATIC PROTEOME ANALYSIS OF NILE TILAPIAS FROM PHILIPPINES CONTAMINATED WITH POPS**

Charisse Leanne B. Legaspi, Maria Claret L. Tsuchiya, Masashi Hirano, Tetsuro Agusa, Jun-na Matsuoka, Tatsuya Kunisue, Hisato Iwata

**P-018 EFFECTS OF PRENATAL EXPOSURE TO TRICLOSAN ON THE LIVER TRANSCRIPTOME IN CHICKEN EMBRYOS**

Jiahua Guo, Shohei Itoh, Hoa Thanh Nguyen, Hisato Iwata

**P-019 DEVELOPMENTAL EFFECTS OF PRENATAL EXPOSURE TO BISPHENOL A ON THE HEPATIC TRANSCRIPTOME IN CHICKEN EMBRYOS**

Shohei Itoh, Midori Iida, Thanh Nguyen Hoa, Tetsuro Agusa, Masashi Hirano, Mari Ochiai, Eun-Young Kim, Hisato Iwata

**P-020 EFFECTS OF *IN VIVO* EXPOSURE TO PCBS ON HEPATIC TRANSCRIPTOME AND METABOLOME IN BEAGLE DOGS**

Saya Tamura, Tetsuro Agusa, Masashi Hirano, Akifumi Eguchi, Kei Nomiyama, Shinsuke Tanabe, Eun-Young Kim, Hisato Iwata

**P-021 LIVER TRANSCRIPTOME CHANGES BY EXPOSURE TO 4-OH-CB107 IN MALE WISTAR RATS**

Midori Iida, Mari Ochiai, Tetsuro Agusa, Satoshi Fujii, Hisato Iwata

**P-022 IDENTIFICATION OF AHR SIGNALING PATHWAYS AFFECTED BY TCDD EXPOSURE IN RED SEABREAM EMBRYOS**

Midori Iida, Satoshi Fujii, Masaya Uchida, Hiroshi Nakamura, Yoshihiro Kagami, Tetsuro Agusa, Masashi Hirano, Su-Min Bak, Eun-Young Kim, Hisato Iwata

**P-023 dCOD 1.0: DECODING THE SYSTEMS TOXICOLOGY OF ATLANTIC COD (*GADUS MORHUA*)**

Anders Goksøyr, Guttorm Alendal, Libe Aranguren, Augustine Arukwe, Nello Blaser, Malin

Celander, Morten Brun, Karina Dale, Nancy Denslow, Marta Eide, Shirin Fallahi, Håvard Frøysa, Fatemeh Ghavidel, Siri Øfsthus Goksøyr, Jed Goldstone, Bjørn Einar Grøsvik, Eileen Marie Hanna, Ketil Hylland, Inge Jonassen, Odd André Karlsen, Essa Khan, Roger Lille-Langøy, Jan Ludvig Lyche, Ian Mayer, Mette Børge Müller, Pål Olsvik, Daniela Pampanin, Cinta Porte, Hans J. Skaug, John Stegeman, Zhanna Tairova, Fekadu Yadetie, Xiaokang Zhang

#### Evolutionary approaches

**P-024 IDENTIFICATION OF CYTOCHROME P450 GENE FAMILIES IN THE LIVER TRANSCRIPTOME OF BAIKAL SEALS (*PUSA SIBIRICA*)**

Maria Claret Tsuchiya, Genevieve Mae Aquino, Kim Eun-Young, Hisato Iwata

**P-025 EVOLUTION OF AVIAN UGT FAMILY GENES IN RELATION TO FEEDING HABIT**

Yusuke K. Kawai, Yoshinori Ikenaka, Mayumi Ishizuka, Akira Kubota

#### Developmental toxicology

**P-026 A PRELIMINARY HISTOLOGY ATLAS OF NORMAL MEDAKA DEVELOPMENT AS A FUTURE BASELINE IN HISTOPATHOLOGY**

José Enrique García-Mauriño, Carlos Fernández Torija, José Luis Calvo Martín, Salvador Sastre, Miguel González-Doncel

**P-027 EFFECTS OF DIETARY BDE-47 EXPOSURE ON MEDAKA FISH SWIMMING ACTIVITY AND OFFSPRING USING A MINIATURIZED FLUME**

Miguel González-Doncel, Salvador Sastre, María Victoria Pablos, José Antonio Rodríguez Martín, Carlos Fernández Torija

**P-028 DEVELOPMENTAL TOXICITY OF PHENOLIC COMPOUNDS DURING EARLY LIFE CYCLE OF ASIAN COMMON TOAD (*DUTTAPHRYNUS MELANOSTICTUS*)**

Shanmuganatham Vinoth, Vijayan Sri Ramkumar, Nikhil Nishikant Patil, Elaiyaraja Arun, Krishnamoorthi Vimalkumar, Ramakrishnan Poopal, Annamalai Subramanian, Ramaswamy Babu Rajendran

**P-029 DEVELOPMENTAL TOXIC EFFECTS OF ANTIFOULING PAINTS ON EMBRYONIC FLOUNDER (*PARALICHTHYS OLIVACEUS*)**

Young-sun Moon, Eun-Hee Lee, Zhi Yang Soon, Moonkoo Kim, Jee-Hyun Jung

**P-030 INTERACTION BETWEEN THROMBOXANE PATHWAY AND OXIDATIVE STRESS IN DIOXIN-INDUCED EDEMA IN DEVELOPING ZEBRAFISH**

Katsuki Tanaka, Daisuke Nijoukubo, Takio Kitazawa, Hiroki Teraoka

**P-031 EFFECTS OF CHEMICAL EXPOSURES IN MEDAKA EMBRYOS WITH DEFICIENT CONDITION OF ASCORBIC ACID**

Seiichi Uno, Saichiro Yokoyama, Machi Kawano, Jiro Koyama

**P-032 ROLE OF MELANIN SYNTHETIC PATHWAY IN LOCOMOTION BEHAVIOUR IN ZEBRAFISH EMBRYOS: THE INVOLVEMENT IN NON-COPLANAR PCB- AND PBDE-EVOKED HYPERACTIVITIES**

Yasuaki Tanaka, Mari Fujiwara, Takio Kitazawa, Hiroki Teraoka

**P-033 USING ZEBRAFISH EXPRESSING A TCF/LEF-LINKED EGFP REPORTER TO STUDY EFFECTS OF CHEMICALS ON WNT/ $\beta$ -CATENIN SIGNALING**

Anna Mentor, Björn Brunström, Maria Jönsson

**P-034 SHARED RESPONSES OF KILLIFISH (*F. HETEROCLITUS*) AND ZEBRAFISH (*D. RERIO*) EMBRYOS TO *ORTHO*-SUBSTITUTED PCB-153**

Sibel I. Karchner, Cynthia C. Becker, Neelakanteswar Aluru, Diana G. Franks, Denise Champlin, Diane Nacci, Bryan W. Clark, Saro Jayaraman, Jared V. Goldstone, John J. Stegeman, Vinay Kartha, Stefano Monti, Mark E. Hahn

### Ecotoxicology

**P-035 EVALUATION OF POTENTIAL ESTROGENIC ACTIVITY IN A DECLINING DEMERSAL FLATFISH POPULATION NEAR THE MUNICIPAL WASTEWATER OUTFALL OF ORANGE COUNTY, CALIFORNIA, USA**

Nicolette Andrzejczyk, Jeff Armstrong, Ken Sakamoto, Daniel Schlenk

**P-036 SEDIMENT TOXICITY EVALUATION USING MULTIPLE *IN VITRO* BIOASSAY APPROACH IN MASAN BAY, KOREA**

Jee-Hyun Jung, Sang Hee Hong, Moonkoo Kim, N. Kannan

**P-037 ALTERATIONS IN GENE EXPRESSION IN THE HPG-AXIS OF FEMALE, MALE AND INTERSEX MULLET FROM A POLLUTED HARBOUR**

Ainara Valencia, Josu Andrieu, Anthony Nzioka, Ibon Cancio, Maren Ortiz-Zarragoitia

**P-038 ASSESSMENT OF SPERM QUALITY USING THE COMET ASSAY: FROM ITS OPTIMIZATION UNTIL ITS DEPLOYMENT ON THE FIELD**

Alexandre Erraud, Marc Bonnard, Arnaud Chaumot, Olivier Geffard, Alain Geffard, Joëlle Forget-Leray, Benoit Xuereb

**P-039 IMPOSEX OCCURRENCE IN *BURNUPENA LAGENARIA* IN CAPE TOWN, SOUTH AFRICA**

Conrad Sparks, Werner Kuntz, Italo Braga de Castro

**P-040 *IN VITRO* BIOASSAY AND CHEMICAL ANALYSIS OF DIOXINS IN WILD ANIMALS FROM JAPAN**

Machiko Kasuya, Nguyen Minh Tue, Akitoshi Goto, Shinsuke Tanabe, Tatsuya Kunisue

**P-041 TOXIC EVALUATIONS OF SEDIMENTS IN COASTAL AREA OF NORTHERN KYUSYU, JAPAN, WITH JAVAMEDAKA EMBRYOS (*ORYZIAS JAVANICUS*)**

Seiichi Uno, Emiko Kokushi, Jiro Koyama, Kazuhiko Anraku, Keigo Ebata, Anne E. McElroy

**P-042 ADVERSE EFFECTS IN ATLANTIC COD (*GADUS MORHUA*) DUE TO ENVIRONMENTAL EXPOSURE TO POLLUTANT MIXTURES FROM OSLO FJORD, NORWAY**

Zhanna Tairova, Mette HB Müller, Jan L Lyche, Ian Mayer, Nello Blaser, Morten Brun, Merete Grung, Anders Goksøyr, Karina Dale, Siri Ø Goksøyr, Libe Aranguren, Ketil Hylland

### Environmental stressors

**P-043 INVOLVEMENT OF MICROORGANISMS IN FLUCTUATION OF BIOCHEMICAL OXYGEN DEMAND IN LEACHATE WATER OF INERT-WASTE LANDFILL SITE**

Shusaku Hirakawa, Nobuhiro Shimizu, Tsuguhide Hori, Youichi Kurokawa, Okihiro Oishi, Mineki Toba

**P-044 THE EFFECTS OF INCREASING CO<sub>2</sub> CONCENTRATIONS AND TEMPERATURE ON MICROALGAL ASSEMBLAGES IN MESOCOSM**

Kwee Siong Tew, Pi-Jen Liu

**P-045 LOW OXYGEN COMBINED WITH *VIBRIO CORALLIILYTICUS* CAUSES MORTALITY AND IMMUNE DISRUPTION IN EASTERN OYSTERS**

Anna V. Ivanina, Britney L. Phippen, James D. Oliver, Inna M. Sokolova

**P-046 EFFECTS OF ELEVATED CO<sub>2</sub> ON SURVIVAL, GROWTH AND OSTEOLOGICAL DEVELOPMENT IN LARVAL *HIPPOCAMPUS KUDA***

Ming-Yih Leu, Pin-Han Wang, Chiu-Chin Ho, Pei-Jie Meng

**P-047 A PROMISING GENDER DETERMINATION METHOD BASED ON A SINGLE QPCR FOR MUSSELS *MYTILUS GALLOPROVINCIALIS***

Pablo Markaide, Nerea Duroudier, Peio Pascual, Enrique Navarro, Eider Bilbao

**P-048 LIPID PEROXIDATION AS STRESSOR INDICATOR IN MARICULTURE FISH, ASIAN SEABASS AND GROUPER**

Hanis Farha Binti Ismail, Mohd Yusoff Nurulnadia, Siti Nurtahirah Binti Jaafar, Mohamad Sofi Bin Abu Hassan and Nik Nurasyikin Binti Nik Mohmmad Azmi

**Oil toxicology**

**P-049 DIETARY EXPOSED TO WEATHERED IRANIAN HEAVY CRUDE OIL: ON THE DETOXIFICATION AND IMMUNE SYSTEM IN ROCKFISH**

Jee-Hyun Jung, Eun-Hee Lee, Moonkoo Kim, Sung Yong Ha, Un Hyuk Yim

**P-050 IDENTIFICATION OF COMPOUNDS IN WAF FRACTIONS OF CRUDE OIL TO INDUCE DNA DAMAGE TO FLAT FISH ACCORDING TO POLARITY AND KOW**

Yu Lee Jang, Hae Jin Jeong, Gi Beum Kim, Hyojin Lee

**P-051 INHIBITION OF FEEDING AND REPRODUCTION IN BENTHIC COPEPOD *TIGRIOPUS JAPONICUS* EXPOSED TO OIL DISPERSED SEDIMENTS AND ITS ANTIOXIDANT RESPONSES**

Eun-Ji Won, Yehui Gang, Yeonjung Lee, ChangJoon Kim, Kyun-Woo Lee, Kyoungrean Kim

**PPCPs**

**P-052 ANTIOXIDANTS AND BIOCHEMICAL RESPONSES IN *CIRRHINUS MRIGALA* EXPOSED TO PHARMACEUTICAL DRUG SULFAMETHAZINE**

Racky Rathika, Mathan Ramesh, Kalliappan Krishnapriya

**P-053 SSRI's IN WWTP EFFLUENTS AND THEIR DISPOSITION AND EFFECTS IN SALMONIDS AND MARINE FLATFISH**

Irvin Schultz, Louisa Harding, Chris Monson, James West, Sandra O'Neill, Graham Young, Penny Swanson

**P-054 EFFECT OF BENZOPHENONE-3 ON INTRA-COLONIAL SOCIAL BEHAVIORS OF THE FALSE CLOWN ANEMONEFISH**

Te-Hao Chen, Chun-Yu Hsieh

**P-055 TOXIC EFFECTS OF UV FILTER CHEMICALS (BENZOPHENONES AND OCTOCRYLENE) ON A ZEBRAFISH CELL LINE, ZFL**

Qi Meng, King Ming Chan

**P-056 PRESENCE OF PHARMACEUTICALS IN MEDITERRANEAN MUSSELS FROM ITALIAN COASTS**

Marica Mezzelani, Daniele Fattorini, Stefania Gorbi, Riccardo Ceccarelli, Maura Benedetti, Marco Nigro, Francesco Regoli

**P-057 MIXTURE EFFECTS ON THE CYP1A BIOMARKER RESPONSE AND ON CELL PROLIFERATION IN PLHC-1 CELLS**

Linus Essebo, Junko Johansson, Mia Castell, Malin C. Celander

**P-058 INVESTIGATION OF BIOCHEMICAL CHANGES IN CATS EXPOSED TO ORGANOHALOGEN COMPOUNDS**

Kraisiri Khidkhan, Hazuki Mizukawa, Kei Nomiyama, Yoshinori Ikenaka, Shota M. M. Nakayama, Nozomu Yokoyama, Kazuyoshi Sasaoka, Osamu Ichii, Mitsuyoshi Takiguchi, Hiroyuki Nishikawa, Keisuke Tanaka, Kohki Takaguchi, Shinsuke Tanabe, Mayumi Ishizuka

**POPs and PAHs**

**P-059 IDENTIFICATION FOR THE BIOTRANSFORMATION OF BDE209 BY *IN VIVO* TOXICOKINETIC ANALYSIS IN *FELIS CATUS***

Keisuke Tanaka, Kei Nomiyama, Hazuki Mizukawa, Kohki Takaguchi, Rumi Tanoue, Aksorn Saengtienchai, Tseng-ayush Sainnoxoi, Nozomu Yokoyama, Osamu Ichii, Mituyoshi Takiguchi, Shouta Nakayama, Yoshinori Ikenaka, Mayumi Ishizuka, Tatsuya Kunisue, Shinsuke Tanabe

**P-060 EFFECTS OF PCB-EXPOSURE ON THYROID HORMONE HOMEOSTASIS OF DOGS AND CATS**

Kohki Takaguchi, Kei Nomiyama, Hiroyuki Nishikawa, Hazuki Mizukawa, Rumi Tanoue, Yuka Yoshinouchi, Nozomu Yokoyama, Osamu Ichii, Mitsuyoshi Takiguchi, Shouta Nakayama, Yoshinori Ikenaka, Mayumi Ishizuka, Hisato Iwata, Tatsuya Kunisue, Shinsuke Tanabe

**P-061 EFFECTS OF POPS ON THE LYMPHOCYTE PROLIFERATION OF CAPTIVE BOTTLENOSE DOLPHINS (*TURSIOPS TRUNCATUS*)**

Yuki Nishida, Mari Ochiai, Shusaku Sawa, Shuichi Iwata, Hisato Iwata

**P-062 TEMPORAL TRENDS OF ORGANOHALOGEN COMPOUNDS IN TOOTHED WHALES STRANDED AT JAPANESE COASTAL WATERS**

Kana Egashira, Mari Ochiai, Nguyen Minh Tue, Ayaka Matsuda, Takashi Matsuishi, Yuko Tajima, Tadasu K. Yamada, Tomohiko Isobe, Shinsuke Tanabe, Tatsuya Kunisue

**P-063 BIOACCUMULATION OF PAHS IN ZOOPLANKTON IN THE GAOPING COASTAL WATERS OFF SOUTHWESTERN TAIWAN**

Hung-Yen Hsieh, Kuang-Ching Huang, Fung-Chi Ko

**P-064 ESTABLISHMENT OF THE 'CHEMTHEATRE' TO MANAGE MONITORING DATA OF ENVIRONMENTAL CONTAMINANTS IN MARINE ORGANISMS**

Tatsuya Kunisue, Tomohiko Isobe, Seiichi Uno, Itsuki C. Handoh, Nobuaki Ohno, Daisuke Ueno, Kei Nakayama

**P-065 ORGANOPHOSPHATE FLAME RETARDANTS IN WILD BIRDS - DEVELOPMENT OF ANALYTICAL METHODS AND INTERSPECIES COMPARISON -**

Mitsuo Fumoto, Nguyen Minh Tue, Akitoshi Goto, Susumu Nakatsu, Kei Nomiyama, Shinsuke Tanabe, Tatsuya Kunisue

**P-066 ORIGIN OF BROMINATED DIOXINS IN MARINE ALGAE: ANTHROPOGENIC CONTAMINANTS OR NATURAL COMPOUNDS?**

Akitoshi Goto, Nguyen Minh Tue, Shinsuke Tanabe, Tatsuya Kunisue

**P-067 SPECIES SPECIFIC DEBROMINATION OF POLYBROMINATED DIPHENYL ETHERS (PBDES) AND STRUCTURES OF DEIODINASE**

Kaoruko Mizukawa, Kazuya Yokota, Hideshige Takada, Matthew C. Salanga, Jared V. Goldstone, John J. Stegeman

**P-068 SHORT CHAIN CHLORINATED PARAFFINS IN BLUBBER OF STRIPED DOLPHINS FROM JAPAN BY GC/EFCNI-HRMS**

Chihiro Nouda, Takuya Tomizawa, Hiroaki Ueda, Hiroaki Takemori, Shin Takahashi, Takumi Takasuga, Shinsuke Tanabe

**P-069 APPLICATION OF GC/TOFMS FOR COMPREHENSIVE ANALYSIS OF ORGANOHALOGEN COMPOUNDS IN FINLESS PORPOISE**

Hiroaki Takemori, Shin Takahashi, Takumi Takasuga, Shinsuke Tanabe

**P-070 SCREENING OF ORGANOHALOGEN COMPOUNDS ACCUMULATED IN MARINE MAMMALS BY USING GC-HRTOFMS**

Hiroaki Takemori, Shin Takahashi, Takumi Takasuga, Shinsuke Tanabe

Nanoparticles

**P-071 SILVER NANOCOLLOIDS DISRUPT GLYCOSYLATION OF MEDDATA EMBRYO**

Kaori Shimizu, Daisuke Kotajima, Kensuke Fukao, Futaba Mogi, Risa Horiuchi, Yoshiriro Kagami, Misato Fujita, Nobumitsu Miyanishi, Shosaku Kashiwada

**P-072 MULTIBIOMARKER RESPONSES TO NANO-ZINC OXIDE AND WARMING IN UNIONID MUSSELS FROM THE COOLING RESERVOIRS**

Inna M. Sokolova, Halina I. Falfushynska, Lesya L. Gnatyshyna, Oksana B. Stoliar

**P-073 VISUALIZED DISTRIBUTION OF SILVER NANOCOLLOIDS IN MEDAKA**

Kana Suzuki, Kaori Shimizu, Shosaku Kashiwada

**P-074 STAGE-DEPENDENT ECOLOGICAL RISK ANALYSES OF SILVER NANOPARTICLES USING MEDAKA**

Yumie Kato, Chisato Kataoka, Masaki Takasu, Takahito Narazaki, Tadashi Ariyoshi, Haruki Tatsuta, Shosaku Kashiwada

**P-075 COMPARISONS OF BIOLOGICAL ACTIVITIES OF EXTRACTS FROM NORTH PACIFIC GYRE PLASTICS WITH UV-TREATED AND UNTREATED MATERIALS USING *IN VITRO* AND *IN VIVO* MODELS**

Scott Coffin, Eloise Lemaire, Xu Gen-Bo, Daniel Schlenk

**Microplastics**

**P-076 DEBRIS PLASTIC AS A SOURCE OF NEW CHEMICAL CONTAMINATION IN THE OCEAN**

Koshiro Koizumi, Keiji Amamia, Masaki Okada, Kazunori Yamada, Katsuhiko Saido, Nikolai Maximenko, Kazuhiro Kogure, Toshihiko Hiaki

**P-077 NEW CHEMICAL CONTAMINATION DERIVED FROM DEBRIS PLASTIC SURROUNDING JAPAN**

Masaki Okada, Koshiro Koizumi, Kohei Takatama, Kazunori Yamada, Tomoe Komoriya, Katsuhiko Saido, Toshihiko Hiaki

**P-078 ACCUMULATION OF PLASTIC-DERIVED CHEMICALS IN TISSUES OF SEABIRDS INGESTING MARINE PLASTICS**

Kosuke Tanaka, Hideshige Takada, Rei Yamashita, Yutaka Watanuki, Jan A. van Franeker, Peter G. Ryan

**P-079 A PRELIMINARY STUDY ON THE DETECTION OF MACRO BIOFOULING ORGANISM IN PLASTIC LITTER IN MERSİN BAY**

Cem Çevik, Sedat Gündoğdu

**P-080 OXIDATIVE STRESS RESPONSE IN EURYHALINE CLADOCERAN *DIAPHANOSOMA CELEBENSIS* EXPOSED TO HEAVY METALS**

Chulhee Bae, Young-Mi Lee

**Metals**

**P-081 IDENTIFICATION AND MOLECULAR CHARACTERIZATION OF CU/ZN SUPEROXIDE DISMUTASE (CU/ZN-SODS) IN MARINE CILIATE *EUPLOTES CRASSUS***

Ji-Soo Kim, Hae-Won Yoon, So-Young Park, Young-Mi Lee

**P-082 EVALUATION OF COPPER RESPONSES IN ALGAE WHICH WERE ISOLATED FROM WATARASE BASIN**

Yuuichi Shimizu, Syungo Kawase, Shosaku Kashiwada, Seiji Nagasaka

**P-083 HEAVY METAL DISTRIBUTION IN JAPANESE DACE AND REED PLANT IN WATARASE RIVER, JAPAN**

Daiki Kitamura, Hideaki Tomiyama, Chisato Kataoka, Seiji Nagasaka, Haruki Tatsuta, Yuichi Iwasaki, Shosaku Kashiwada

**P-084 ENVIRONMENTAL ASSESSMENT OF SOLIDIFIED/STABILIZED MARINE SEDIMENTS USING ROTIFERS**

Yehui Gang, Eun-Ji Won, Jin Young Choi, Kongtae Ra, Kyeongrean Kim

**P-085 POLYUNSATURATED FATTY ACID ENRICHMENTS CONFER PROTECTION AGAINST METHYLMERCURY IN RAINBOW TROUT LIVER**

Benjamin Lemaire, Mélusine Van Larebeke, Aline Ferain, Chloé Bonnineau, Gilles Tinant, Cécile Gardin, Ineke Neefs, Krishna Das, Xavier Rollin, Yvan Larondelle, Cathy Debier, Jean-François Rees

**Environmental issues in developing countries**

**P-086 PHTHALATES OCCURRENCE IN WATER AND SEDIMENTS OF THE KAVERI RIVER, INDIA AND ECO-TOXICOLOGICAL ASSESSMENT**

Nikhil Nishikant Patil, Krishna Kumar S, Vimalkumar K, Arun E, Srimurali S, Subramanian AN, Babu Rajendran R

**P-087 MONITORING OF PHENOLIC COMPOUNDS IN RIVERS OF TAMILNADU, INDIA AND THEIR ECOTOXICOLOGICAL RISK ASSESSMENT**

Arun Elaiyaraja, Krishna Kumar Selvaraj, Vimalkumar Krishnamurthy, Nikhil Nishikant Patil, Subramanian Annamalai, Babu Rajendran Ramaswamy

**P-088 PCDD/FS, DL-PCBS AND PBDES IN THE DUMPSITE SOILS OF TIRUCHIRAPPALLI TOWN, SOUTH INDIA**

Subramanian Annamalai, Babu Rajendran Ramaswamy, Takafumi Matsushita, Vimalkumar Krishnamoorthi, Tatsuya Kunisue, Shinsuke Tanabe

**P-089 PHARMACEUTICALS AND PERSONAL CARE PRODUCTS IN FRESHWATER FISH FROM ASIAN DEVELOPING COUNTRIES**

Kazusa Nozaki, Rumi Tanoue, Kei Nomiya, Subramanian Annamalai, Kesav A. Bulbule, Peethambaram Parthasarathy, Pham Hung Viet, Le Huu Tuyen, Agus Sudaryanto, Tomohiko Isobe, Tatsuya Kunisue, Shinsuke Tanabe

**P-090 ORGANOHALOGEN COMPOUNDS IN SERUM OF E-WASTE RECYCLING WORKERS IN INDIA**

Yuhei Ogawa, Nguyen Minh Tue, Akitoshi Goto, Annamarai Subramanian, Peethambaram Parthasarathy, Keshav A. Bulbule, Shinsuke Tanabe, Tatsuya Kunisue

**P-091 CATALASE ACTIVITY AS POTENTIAL BIOMARKER IN ASIAN SEABASS (*LATES CALCARIFER*) FROM KELANTAN AND TERENGGANU, MALAYSIA**

Nik Nurasyikin Binti Nik Mohammad Azmi, Nurulnadia Binti Mohd Yusoff, Mohamad Sofi Bin Abu Hassan, Hanis Farha Binti Ismail, Siti NurTahirah Binti Jaafar

**P-092 SUPEROXIDASE DISMUTASE AND GLUTATHIONE-S- TRANSFERASE AS OXIDATIVE STRESS BIOMARKER IN (*Lates calcarifer*) FROM KELANTAN AND TERENGGANU, MALAYSIA**

Mohamad Sofi Bin Abu Hassan, Nurulnadia Binti Mohd Yusoff, Nik Nurasyikin Binti Nik Mohammad Azmi, Hanis Farha Binti Ismail, Siti NurTahirah Binti Jaafar

**Pollution in Vietnam**

**P-093 INITIAL STUDIES ON TOXIC ACCUMULATE PCBS IN ESTUARIES IN THE NORTHEASTERN REGION OF VIETNAM**

Le Xuan Sinh, Le Thi Hai Le

**P-094 BIOACCUMULATION OF PCDD/Fs IN FOOD ITEMS COLLECTED NEAR BIEN HOA AND DA NANG AIRBASE: ASSESSMENT ON SOURCE, DISTRIBUTION AND THEIR INTAKE IN HUMAN**



Nguyen Hung Minh, Nguyen Van Thuong, Nguyen Thi Minh Hue

**P-095 OCCURRENCE AND HUMAN EXPOSURE OF ENDOCRINE DISRUPTING COMPOUNDS IN INDOOR ENVIRONMENTS FROM VIETNAM**

Le Thi Hanh, Dang Minh Huong Giang, Tu Binh Minh, Tran Manh Tri

**P-096 ASSESSMENT FOR THE LEVELS OF PCBs RESIDUE IN SEDIMENTS IN SOME COASTAL ESTUARIES IN MIDDLE OF VIETNAM**

Trinh Thi Tham, Le Thi Trinh, Tu Binh Minh, Nguyen Duc Hue

**P-097 SCREENING ANALYSIS OF ORGANIC POLLUTANTS IN DUSTS FROM ELV RECYCLING AND URBAN AREAS IN NORTHERN VIETNAM**

Hoang Quoc Anh, Nguyen Minh Tue, Go Suzuki, Tu Binh Minh, Pham Hung Viet, Shin Takahashi

**P-098 TOXICITY IDENTIFICATION AND EVALUATION OF AHR LIGAND ACTIVITIES IN URBAN AMBIENT PARTICULATE MATTER FROM HANOI-VIETNAM**

Nguyen Thanh Trung, Nguyen Minh Tue, Go Suzuki, Shin Takahashi, Shinsuke Tanabe, Pham Hung Viet, Do Phuc Quan, Phan Dinh Quang, Nguyen Thi Thu Nga, Tran Manh Tri, Pham Thi Thu Huong, Pham Thi Dau, Pham Chau Thuy, Dang Van Doan, Le Huu Tuyen

**P-099 CONTAMINATION BY PERFLUORINATED CHEMICALS (PFCS) IN BLOOD OF FISH SPECIES COLLECTED IN HANOI-VIETNAM**

Phan Dinh Quang, Nguyen Thuy Ngoc, Phung Thi Vi, Nguyen Thi Thu Nga, Nguyen Thi Kim Thuy, Duong Hong Anh, Pham Hung Viet, Le Huu Tuyen