

2010年

[著書]

田辺信介 (2010): 1.3.1.D 人工化学物質による汚染, 改訂水産海洋ハンドブック, 竹内俊郎・中田英昭・和田時夫・上田 宏・有元貴文・渡部終五・中前 明編, 生物研究社, 東京, 48-50.

Agusa, T., Iwata, H., Fujihara, J., Kunito, T., Takeshita, H., Minh, T. B., Trang, P. T. K., Viet, P. H. and Tanabe, S. (2010): Interindividual variation in arsenic metabolism in a Vietnamese population: association with 17 single nucleotide polymorphisms in AS3MT. *Interdisciplinary Studies on Environmental Chemistry, Vol. 3, Biological Responses to Chemical Contaminants: From Molecular to Community Level*, Hamamura, N., Suzuki, S., Mendo, S., Barroso, C. M., Iwata, H. and Tanabe, S. (Eds), TERRAPUB, Tokyo, Japan, 113-119.

Laranjeiro, F. M. G., Sousa, A. C. A., Takahashi, S., Tanabe, S. and Barroso, C. M. M. (2010): Combination of field monitoring and laboratory bioassays for the assessment of TBT pollution in Ria de Aveiro. *Interdisciplinary Studies on Environmental Chemistry, Vol. 3, Biological Responses to Chemical Contaminants: From Molecular to Community Level*, Hamamura, N., Suzuki, S., Mendo, S., Barroso, C. M., Iwata, H. and Tanabe, S. (Eds), TERRAPUB, Tokyo, Japan, 175-188.

Sousa, A. C. A., Barroso, C. M., Tanabe, S. and Horiguchi, T. (2010): Involvement of retinoid X receptor in imposex development in *Nucella lapillus* and *Nassarius reticulatus* – preliminary results. *Interdisciplinary Studies on Environmental Chemistry, Vol. 3, Biological Responses to Chemical Contaminants: From Molecular to Community Level*, Hamamura, N., Suzuki, S., Mendo, S., Barroso, C. M., Iwata, H. and Tanabe, S. (Eds), TERRAPUB, Tokyo, Japan, 189-196.

Agusa, T., Fujihara, J., Takeshita, H., Tanabe, S., Iwata, H., Kunito, T., Minh, T. B., Trang, P. T. K. and Viet, P. H. (2010): Methylation of inorganic arsenic and genetic polymorphisms in arsenic (+III oxidation state) methyltransferase in a Vietnamese population. *Arsenic in Geosphere and Human Diseases*, Jian, J. S., Bundschuh, J and Bhattacharya, P. (Eds), CRC Press, Boca Raton, Florida, USA, 329-331.

Tanabe, S. and Ramu, K. (2010): Environmental Specimen Bank (es-BANK) of Ehime University, Japan –current status and future perspectives–. *Interdisciplinary Studies*

on Environmental Chemistry, Vol. 4, Environmental Specimen Bank: Exploring Possibility of Setting-up ESBs in Developing Countries, Isobe, T., Nomiyama, K., Subramanian and Tanabe, S. (Eds), TERRAPUB, Tokyo, Japan, 1-5.

Kunisue, T. Kannan, K., Fisher, J. W. and Tanabe, S. (2010): A Method for analysis of thyroid hormones in perchlorate-administered rats by Liquid Chromatography-Tandem Mass Spectrometry: potential application to samples stored in es-BANK of Ehime University. Interdisciplinary Studies on Environmental Chemistry, Vol. 4, Environmental Specimen Bank: Exploring Possibility of Setting-up ESBs in Developing Countries, Isobe, T., Nomiyama, K., Subramanian and Tanabe, S. (Eds), TERRAPUB, Tokyo, Japan, 43-50.

Isobe, T., Amano, A., Chang, K. H., Maneja, R. H., Zamora, P. B., Miller, T. W. and Tanabe, S. (2010): Retrospective assessment of environmental pollution by PBDEs and HBCDs using sediment core from Manila Bay, the Philippines. Interdisciplinary Studies on Environmental Chemistry, Vol. 4, Environmental Specimen Bank: Exploring Possibility of Setting-up ESBs in Developing Countries, Isobe, T., Nomiyama, K., Subramanian and Tanabe, S. (Eds), TERRAPUB, Tokyo, Japan, 61-65.

Nomiyama, K., Murata, S., Kunisue, T., Yamada, T. K., Mizukawa, H., Takahashi, S. and Tanabe, S. (2010): Polychlorinated biphenyls and hydroxylated polychlorinated biphenyls in the blood of toothed and baleen whales stranded along Japanese coastal waters. Interdisciplinary Studies on Environmental Chemistry, Vol. 4, Environmental Specimen Bank: Exploring Possibility of Setting-up ESBs in Developing Countries, Isobe, T., Nomiyama, K., Subramanian and Tanabe, S. (Eds), TERRAPUB, Tokyo, Japan, 67-74.

Hirata, S. H., Yasuda, Y., Urakami, S., Isobe, T., Yamada, T. K., Tajima, Y., Amamo, M., Miyazaki, N., Takahashi, S. and Tanabe, S. (2010): Environmental monitoring of trace elements using marine mammals as bioindicators -species-specific accumulations and temporal trends-. Interdisciplinary Studies on Environmental Chemistry, Vol. 4, Environmental Specimen Bank: Exploring Possibility of Setting-up ESBs in Developing Countries, Isobe, T., Nomiyama, K., Subramanian and Tanabe, S. (Eds), TERRAPUB, Tokyo, Japan, 75-79.

Subramanian, A., Devanathan, G., Takahashi, S. and Tanabe, S. (2010): Pollution

trends in India -evidence for the need of an environmental specimen bank. *Interdisciplinary Studies on Environmental Chemistry*, Vol. 4, *Environmental Specimen Bank: Exploring Possibility of Setting-up ESBs in Developing Countries*, Isobe, T., Nomiya, K., Subramanian and Tanabe, S. (Eds), TERRAPUB, Tokyo, Japan, 111-118.

Ishibashi, H., Kim, E. Y., Tanabe S. and Iwata, H. (2010): Molecular characterization of peroxisome proliferator-activated receptor isoforms from the Baikal Seal (*Pusa sibirica*). *Interdisciplinary Studies on Environmental Chemistry*, Vol. 4, *Environmental Specimen Bank: Exploring Possibility of Setting-up ESBs in Developing Countries*, Isobe, T., Nomiya, K., Subramanian and Tanabe, S. (Eds), TERRAPUB, Tokyo, Japan, 133-139.

Ilyas, M., Sudaryanto, A., Setiawan, I. E., Isobe, T., Takahashi, S. and Tanabe, S. (2010): Characterization of polychlorinated biphenyls and polybrominated diphenyl ethers in sediments from leachate and control wells of Benowo dumping site, Surabaya, Indonesia: a preliminary report. *Interdisciplinary Studies on Environmental Chemistry*, Vol. 4, *Environmental Specimen Bank: Exploring Possibility of Setting-up ESBs in Developing Countries*, Isobe, T., Nomiya, K., Subramanian and Tanabe, S. (Eds), TERRAPUB, Tokyo, Japan, 161-166.

Eguchi, A., Nomiya, K., Subramanian, An., Parthasarathy, P., Bulbule, K. A., Takahashi, S. and Tanabe, S. (2010): Organohalogen and metabolite contaminants in human serum samples from Indian e-waste recycling workers. *Interdisciplinary Studies on Environmental Chemistry*, Vol. 4, *Environmental Specimen Bank: Exploring Possibility of Setting-up ESBs in Developing Countries*, Isobe, T., Nomiya, K., Subramanian and Tanabe, S. (Eds), TERRAPUB, Tokyo, Japan, 167-174.

Mizukawa, H., Nomiya, K., Kunisue, T., Watanabe, M. X., Subramanian, An., Takahashi, S. and Tanabe, S. (2010): Accumulation features of hydroxylated-PCBs (OH-PCBs) in the blood of pigs collected from a dumping site for municipal wastes in India. *Interdisciplinary Studies on Environmental Chemistry*, Vol. 4, *Environmental Specimen Bank: Exploring Possibility of Setting-up ESBs in Developing Countries*, Isobe, T., Nomiya, K., Subramanian and Tanabe, S. (Eds), TERRAPUB, Tokyo, Japan, 175-181.

Kim, J. W., Isobe, T. and Tanabe, S. (2010): UPLC-MS/MS determination of

organophosphorus flame retardants and ultraviolet absorbers in river water and STP effluent samples. *Interdisciplinary Studies on Environmental Chemistry, Vol. 4, Environmental Specimen Bank: Exploring Possibility of Setting-up ESBs in Developing Countries*, Isobe, T., Nomiya, K., Subramanian and Tanabe, S. (Eds), TERRAPUB, Tokyo, Japan, 183-189.

Asante, K. A., Sudaryanto, A., Devanathan, G., Bello, M., Takahashi, S., Isobe, T. and Tanabe, S. (2010): Polybrominated diphenyl ethers and polychlorinated biphenyls in cow milk samples from Ghana. *Interdisciplinary Studies on Environmental Chemistry, Vol. 4, Environmental Specimen Bank: Exploring Possibility of Setting-up ESBs in Developing Countries*, Isobe, T., Nomiya, K., Subramanian and Tanabe, S. (Eds), TERRAPUB, Tokyo, Japan, 191-198.

Hayase, D., Agusa, T., Toyoshima, S., Takahashi, S., Hirata, S. H., Itai, T., Omori, K., Nishida, S., and Tanabe, S. (2010): Biomagnification of arsenic species in the deep-sea ecosystem of the Sagami Bay, Japan. *Interdisciplinary Studies on Environmental Chemistry, Vol. 4, Environmental Specimen Bank: Exploring Possibility of Setting-up ESBs in Developing Countries*, Isobe, T., Nomiya, K., Subramanian and Tanabe, S. (Eds), TERRAPUB, Tokyo, Japan, 199-204.

Sudaryanto, A., Setiawan, I. E., Riyadi, A. S, Ilyas, M., Anantasena, Y., Djamaluddin, R. Isobe, T., Takahashi, S. and Tanabe, S. (2010): Utilization of es-BANK of Ehime University for monitoring environmental pollutants in Indonesia: a case study for brominated flame retardants in biota, human and environmental samples. *Interdisciplinary Studies on Environmental Chemistry, Vol. 4, Environmental Specimen Bank: Exploring Possibility of Setting-up ESBs in Developing Countries*, Isobe, T., Nomiya, K., Subramanian and Tanabe, S. (Eds), TERRAPUB, Tokyo, Japan, 205-213.

Oshihoi, T., Isobe, T., Hamada, H., Yamada, T. K., Tajima, Y. and Tanabe, S. (2010): Specific accumulation of BFRs in finless porpoises from Japan. *Interdisciplinary Studies on Environmental Chemistry, Vol. 4, Environmental Specimen Bank: Exploring Possibility of Setting-up ESBs in Developing Countries*, Isobe, T., Nomiya, K., Subramanian and Tanabe, S. (Eds), TERRAPUB, Tokyo, Japan, 215-222.

144.

田辺信介 (2010): 生態系を蝕む化学汚染—残留性有機汚染物質, 地球環境学事典, 総合地

球環境学研究所編, 弘文堂, 東京, 64-65.

[総 説]

Tanabe, S. and Minh, T. B. (2010): Dioxins and organohalogen contaminants in the Asia Pacific region. *Ecotoxicology*, 19(3), 463-478.

磯部友彦・田辺信介 (2010): 臭素系難燃剤による環境汚染とヒトの暴露, 水環境学会誌, 33(5), 134-137.

Agusa, T., Kunito, T., Kubota, R., Inoue, S., Fujihara, J., Minh, T. B., Ha, N. N., Tu, N. P. C., Trang, P. T. K., Chamnam, C., Takeshita, H., Iwata, H., Tuyen, B. C., Viet, P. H., Tana, T. S. and Tanabe, S. (2010): Exposure, metabolism, and health effects of arsenic in residents from arsenic-contaminated groundwater areas of Vietnam and Cambodia: a review. *Reviews on Environmental Health*, 25(3), 193-220.

[原著論文]

Someya, M., Ohtake, M., Kunisue, T., Subramanian, An., Takahashi, S., Chakraborty, P., Ramachandran, R. and Tanabe, S. (2010): Persistent organic pollutants in breast milk of mothers residing around an open dumping site in Kolkata, India: specific dioxin-like PCB levels and fish as a potential source. *Environmental International*, 36(1), 27-35.

Agusa, T., Iwata, H., Fujihara, J., Kunito, T., Tekeshita, H., Minh, T. B., Trang, P. T. K., Viet, P. H. and Tanabe, S. (2010): Genetic polymorphisms in glutathione S-transferase (GTS) superfamily and arsenic metabolism in residents of the Red River Delta, Vietnam. *Toxicology and Applied Pharmacology*, 242(3), 352-362.

Ueno, D., Isobe, T., Ramu, K., Tanabe, S., Alae, M., Inoue, K., Someya, T., Miyajima, T., Kodama, H. and Nakata, H. (2010): Spatial distribution of hexabromocyclododecanes (HBCDs), polybrominated diphenyl ethers (PBDEs) and organochlorines in bivalves from Japanese coastal waters. *Chemosphere*, 78(10), 1213-1219.

Tue, N. M., Sudaryanto, A., Minh, T. B., Isobe, T., Takahashi, S., Viet, P. H. and Tanabe, S. (2010): Accumulation of polychlorinated biphenyls and brominated flame retardants in breast milk from women living in Vietnamese e-waste sites. *Science of the Total Environment*, 408(9), 2155-2162.

Takahashi, S., Oshihoi, T., Ramu, K., Isobe, T., Ohmori, K., Kubodera, T. and Tanabe, S. (2010): Organohalogen compounds in deep-sea fishes from the western North Pacific, off-Tohoku, Japan: Contamination status and bioaccumulation profiles. *Marine Pollution Bulletin*, 60(2), 187-196.

Watanabe, M. X., Kunisue, T., Tao, L., Kannan, K., Subramanian, An., Tanabe, S. and Iwata, H. (2010): Dioxin-like and perfluorinated compounds in pigs in an Indian open waste dumping site: toxicokinetics and effects on hepatic cytochrome P450 and blood plasma hormones. *Environmental Toxicology and Chemistry*, 29(7), 1551-1560.

Ramu, K., Isobe, T., Takahashi, S., Kim, E. Y., Min, B. Y., Web, S. U. and Tanabe, S. (2010): Spatial distribution of polybrominated diphenyl ethers and hexabromocyclododecanes in sediments from coastal waters of Korea. *Chemosphere*, 79(7), 713-719.

Kannan, K., Takahashi, S., Fujiwara, N., Mizukawa, H. and Tanabe, S. (2010): Organotin compounds, including butyltins and octyltins, in house dust from Albany, New York, USA. *Archives of Environmental Contamination and Toxicology*, 58(4), 901-907.

Kubota, A., Watanabe, M., Kunisue, T., Kim, E. Y., Tanabe, S. and Iwata, H. (2010): Hepatic CYP1A induction by chlorinated dioxins and related compounds in the endangered black-footed albatross from the North Pacific. *Environmental Science and Technology*, 44(9), 3559-3565.

Nomiyama, K., Murata, S., Kunisue, T., Yamada, T. K., Mizukawa, H., Takahashi, S. and Tanabe, S. (2010): Polychlorinated biphenyls and their metabolites (OH-PCBs) in the blood of toothed and baleen whales stranded along Japanese coastal waters. *Environmental Science and Technology*, 44(10), 3732-3738.

Kunisue, T., Wu, Q., Tanabe, S., Aldous, K. M. and Kannan, K. (2010): Analysis of five benzophenone-type UV filters in human urine by liquid chromatography-tandem mass spectrometry. *Analytical Methods*, 2(6), 707-713.

Wan, Y., Jones, P. D., Wiseman, S., Chang, H., Chorney, D., Kannan, K., Zhang, K., Hu, J. Y., Khim, J. S., Tanabe, S., Lam, M. H. W. and Giesy, J. P. (2010): Contribution of

synthetic and naturally occurring organobromine compounds to bromine mass in marine organisms. *Environmental Science and Technology*, 44(16), 6068-6073.

Asante, K. A., Agusa, T., Kubota, R., Mochizuki, H., Ramu, K., Nishida, S., Ohta, S., Yeh, H., Subramanian, An. and Tanabe, S. (2010): Trace elements and stable isotope ratios ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$) in fish from deep-waters of the Sulu Sea and the Celebes Sea. *Marine Pollution Bulletin*, 60(9), 1560-1570.

Kunisue, T., Tanabe, S., Isobe, T., Aldous, K. M., Kannan, K. (2010): Profiles of phytoestrogens in human urine from several Asian countries. *Journal of Agricultural and Food Chemistry*, 58(17), 9836-9846.

Koito, T., Kubokawa, K., Tanabe, S. and Miyazaki, N. (2010): Phylogenic analyses in cetacean species of the family Delphinidae using a short wavelength sensitive opsin gene sequence. *Fisheries Science*, 76(4), 571-576.

Nakayama, K., Handoh, I., Kitamura, S., Kim, E. Y., Iwata, H. and Tanabe, S. (2010): A microarray data analysis method to evaluate the impact of contaminants on wild animals. *Science of the Total Environment*, 408(23), 5824-5827.

Suzuki, G., Someya, M., Takahashi, S., Tanabe, S., Sakai, S. and Takigami H. (2010): Dioxin-like activity in Japanese indoor dusts evaluated by means of in vitro bioassay and instrumental analysis: brominated dibenzofurans are an important contributor. *Environmental Science and Technology*, 44(21), 8330-8336.

Tue, N. M., Suzuki, G., Takahashi, S., Isobe, T., Trang, P. T. K., Viet, P. H. and Tanabe, S. (2010): Evaluation of dioxin-like activities in settled house dust from Vietnamese e-waste recycling sites: relevance of polychlorinated/brominated dibenzo-p-dioxin/furans and dioxin-like PCBs. *Environmental Science and Technology*, 44(23), 9195-9200.

阿草哲郎・藤原純子・竹下治男・田辺信介・岩田久人・國頭 恭 (2010): ベトナム人における AS3MT 遺伝子多型とヒ素代謝能の関係, *DNA 多型*, 18(1), 242-245.

[参考論文]

田辺信介(2010): 研究最前線: 環境汚染と生態系リスクに関わる PCBs の問題点, 環境ホル

モン学会 News Letter, 12(3), 2.

田辺信介(2010) : 私が最も懸念する POPs 汚染と対策, 化学物質と環境 100 号記念号「100 人に訊く私が最も重視/期待する化学物質対策」, No. 100, 80.

高橋 真・田辺信介・Tue, N. M.・磯部友彦 (2010): アジア途上国の廃棄物処理に伴う臭素系難燃剤の汚染実態と暴露リスク評価, 平成 21 年度循環型社会形成推進科学研究費研究成果報告書「循環過程を含む製品ライフサイクルにおける BFR のリスクコントロールに関する研究」(K2121) , 平成 22 年 3 月, 59-87.

田辺信介・高橋 真・宝来佐和子 (2010): 西部北太平洋における微量元素汚染の実態と歴史トレンドの解明—カズハゴンドウを指標生物として—, 平成 21 年度循環型社会形成推進科学研究費研究成果報告書「廃棄物リサイクル制度展開の国際比較と化学物質管理の統合システム解析」(K2129) , 平成 22 年 3 月, 49-64.

田辺信介 (2010): イルカの生命を脅かす有害物質, 農学の最前線—今、大学の研究が面白い、愛媛大学農学部創立 100 周年記念, 平成 22 年 5 月, 100.

田辺信介 (2010): 臭素系難燃剤の環境化学 (国際共著率高) , サイエンスマップ 2008, 論文データベース分析 (2003 年から 2008) による注目される研究領域の動向調査, 文部科学省科学技術政策研究所, 平成 22 年 5 月, 224.

田辺信介 (2010): 残留性有機汚染物質による環境汚染の動向, しろあり, 154, 1-7.

鈴木 剛・高橋 真・田辺信介(2010) : 研究最前線 : 野生高等動物に蓄積する内分泌攪乱化学物質の包括的同定評価の試み, 環境ホルモン学会 News Letter, 13(2), 5.

田辺信介 (2010): 第 53 回全国大会は坂本龍馬ゆかりの地高知で, 社団法人日本しろあり対策協会 agreeable, 16, foreward.

[学会発表・講演等]

Tanabe, S. (2010): Global COE Program. Joint Symposium of Young Scientists in Ehime University and National Institute for Environmental Studies, Matsuyama, Japan, January.

Takahashi, S., Isobe, T. and Tanabe, S. (2010): Persistent organic pollutants in marine

ecosystems around Japan: its distribution, biomagnifications and fate. Joint Symposium of Young Scientists in Ehime University and National Institute for Environmental Studies, Matsuyama, Japan, January, Abstract, 10.

Subramanian, An. and Tanabe, S. (2010): Sources of Chemical pollution in Asian developing countries – municipal and e-waste dumping sites. International Symposium on Trace Organic Pollutants in the Environment, Tiruchirappalli, Tamilnadu, India, January, Abstract Book, 10.

Malarvannan, G., Isobe, T., Sudaryanto, A., Takahashi, S., Prudente, M. and Tanabe, S. (2010): Contamination by brominated flame retardants in the Philippines environment. International Symposium on Trace Organic Pollutants in the Environment, Tiruchirappalli, Tamilnadu, India, January, Abstract Book, 20.

Tu, N. P. C., Ha, N. N., Matsuo, H., Tuyen, B. C., Tanabe, S. and Takeuchi, I. (2010): Biomagnification profiles of trace elements through food web of integrated shrimp farm in Ba Ria Vung Tau, South Vietnam. 1St International Conference on Environmental Pollution, Restoration, and Management, Ho Chi Minh City, Vietnam, March, Abstract CD, 13-14.

Ha, N. N., Agusa, T., Tue, N. M., Minh, T. B., Minh, N. H., Itai, T., Takahashi, S., Subramanian, An., Viet, P. H. and Tanabe, S. (2010): Soil contamination by trace elements at e-waste recycling sites in Vietnam and India. 1St International Conference on Environmental Pollution, Restoration, and Management, Ho Chi Minh City, Vietnam, March, Abstract CD, 14-15.

Miller, T. D., Jacinto, G., McGlone, M., Senal, I., Amano, A., Kwanghyeon, C., Isobe, T., Suzuki, S., Siringan, F., Zamora, P., Maneja, R., Syam, A., Field, J., Omori, K. and Tanabe, S. (2010): Interdisciplinary-based assessment of pollution and environmental response in Manila Bay (Philippines) and adjacent waters. 1St International Conference on Environmental Pollution, Restoration, and Management, Ho Chi Minh City, Vietnam, March, Abstract CD, 15-16.

Agusa, T., Inoue, S., Kunito, T., Minh, T. B., Tu, N. P. C., Ha, N. N., Trang, P. T. K., Viet, P. H. And Tanabe, S. (2010): Arsenic, manganese and barium contamination in groundwater and human in Vietnam. 1St International Conference on Environmental

Pollution, Restoration, and Management, Ho Chi Minh City, Vietnam, March, Abstract CD, 145.

田辺信介 (2010): 生物環境試料バンクを活用した微量元素汚染の実態と歴史トレンドの解明-カズハゴンドウを指標生物として-, 平成 21 年度グローバル COE プログラム研究成果報告会, 松山市, 3 月, 要旨集, 44.

田辺信介 (2010): 有機ハロゲン化合物によるアジア地域の海洋汚染-臭素系難燃剤による汚染の時空間分布-, 平成 22 年度日本水産学会春季大会シンポジウム「水産環境における化学物質汚染の現状・評価・対策」, 藤沢市, 3 月, 講演要旨集, 327.

宝来佐和子・田辺信介 (2010): 死亡イサザ魚体中のヒ素濃度について, 琵琶湖のヒ素に関わる勉強会, 琵琶湖環境科学研究センター, 大津市, 3 月.

板井啓明・田辺信介 (2010): 琵琶湖湖底泥中のヒ素濃度について, 琵琶湖のヒ素に関わる勉強会, 琵琶湖環境科学研究センター, 大津市, 3 月.

Malarvannan, G., Isobe, T., Sudaryanto, A., Takahashi, S., Prudente, M. and Tanabe, S. (2010): Determination of brominated flame retardants in human scalp hair from mothers living in Payatas and Malate, the Philippines. 5th International Symposium on Brominated Flame Retardants, Kyoto, Japan, April, Abstract CD, 90017.

Ilyas, M., Sudaryanto, A., Setiawan, I. E., Riady, A. S., Isobe, T., Takahashi, S. and Tanabe, S. (2010): Polybrominated diphenyl ethers in soils from various locations in Surabaya City, Indonesia: Dumping site and urban areas as important sources. 5th International Symposium on Brominated Flame Retardants, Kyoto, Japan, April, Abstract CD, 90019.

Sudaryanto, A., Riyadi, A. S., Setiawan, I. E., Ilyas, M., Isobe, T., Chang, K. H., Takahashi, S. and Tanabe, S. (2010): Bioaccumulation of brominated flame retardants (BFRs) in different trophic level organisms from Jakarta Bay, Indonesia. 5th International Symposium on Brominated Flame Retardants, Kyoto, Japan, April, Abstract CD, 90020.

Asante, K. A., Nakahiro, K., Adu-Kumi, S., Takahashi, S., Isobe, T., Sudaryanto, A., Clarke, E., Dapaah-Siakwan, S., Ansa-Asare, O. D. and Tanabe, S. (2010): Spatial

distribution, temporal variation and health risk assessment of brominated flame retardants in human breast milk from Ghana. 5th International Symposium on Brominated Flame Retardants, Kyoto, Japan, April, Abstract CD, 90038.

Devanathan, G., Sudaryanto, A., Subramanian, An., Isobe, T., Takahashi, S. and Tanabe, S. (2010): Chlorinated and brominated organic contaminants in human breast milk from different regions in India. 5th International Symposium on Brominated Flame Retardants, Kyoto, Japan, April, Abstract CD, 90055.

Suzuki, G., Someya, M., Takahashi, S., Takigami, H., Sakai, S., Tanabe, S. (2010): Dioxin-like compounds in Japanese indoor dusts: brominated dibenzofurans strongly contribute to Dioxin-Like Activity evaluated by in vitro bioassay. 5th International Symposium on Brominated Flame Retardants, Kyoto, Japan, April, Abstract CD, 90062.

Isobe, T., Toyoshima, S., Miller, T. W., Omori, K., Nishikawa, J., Chiba, S., Yamamura, O., Brodeur, R., Emmett, R., Dewar, H., Tanabe, S. (2010): Biomagnification pattern of PBDEs and HBCDs in eastern and western boundary current ecosystems of the North Pacific Ocean. 5th International Symposium on Brominated Flame Retardants, Kyoto, Japan, April, Abstract CD, 90072.

Tue, N. M., Suzuki, G., Sudaryanto, A., Isobe, T., Takahashi, S., Minh, T. B., Trang, P. T. K., Viet, P. H., Zhang, G. and Tanabe, S. (2010): Human exposure to Brominated Flame Retardants and Dioxin-like Compounds in Vietnamese e-waste recycling sites. 5th International Symposium on Brominated Flame Retardants, Kyoto, Japan, April, Abstract CD, 90087.

Minh, N. H., Minh, T. B., Isobe, T., Tanabe, S. (2010): Contamination of polybromodiphenylethers (PBDEs) in sewer system of Hochiminh City and estuary of Saigon-Dongnai River. 5th International Symposium on Brominated Flame Retardants, Kyoto, Japan, April, Abstract CD, 90139.

Subramanian, An., Takahashi, S., Parthasarathy, P., Bulbule, K. A., Tanabe, S. (2010): Contamination associated with e-waste recycling in India. 5th International Symposium on Brominated Flame Retardants, Kyoto, Japan, April, Abstract CD, 90148.

Takahashi, S., Isobe, T., Ramu, K., Kannan, K., Tanabe, S. (2010): Temporal Trends of

Brominated Flame Retardants and Other Emerging POPs in Waters around East Asia: Retrospective Studies Using Archived Samples from es-Bank, Ehime University, Japan. 5th International Symposium on Brominated Flame Retardants, Kyoto, Japan, April, Abstract CD, 90156.

Tanabe, S. (2010): Environmental and biotic contamination by legacy and new POPs in the Asia-Pacific region. Joint 2010 Jade Mountain Forum on Sustainable Environment and 3rd Joint Forum of Environmental Sciences, Tainan, Taiwan, April, Proceedings, II-1-II-15.

田辺信介 (2010): 特別講演: 有害物質による地球規模の環境汚染と生物影響, 平成 22 年度 愛媛県臨床検査学会定期総会, 伊予郡松前町, 4 月, プログラム, 5-6.

Suzuki, G., Tue, N.M., van der Linden, S., Someya, M., Takahashi, S., Brouwer, A., van der Burg, B., Lamoree, M., van Velzen, M. and Tanabe, S. (2010): Screening of potential bioaccumulative compounds exerting endocrine-disrupting activities in wild animals using in vitro bioassays and chemical fractionation. SETAC Europe, Seville, Spain, May, Program & Abstract, MO148.

Hayase, D., Toyoshima, S., Takahashi, S., Itai, T., Omori, K., Agusa, T., Nishida, S. and Tanabe, S. (2010): Trophic transfer of arsenic species in the deep-sea ecosystem in Sagami Bay, Japan. The Third International Congress on Arsenic in the Environment, Tainan, Taiwan, May, Abstract CD, A-38.

Agusa, T., Fujihara, J., Takeshita, H., Tanabe, S., Iwata, H., Kunito, T., Minh, T. B., Trang, P. T. K. and Viet, P. H. (2010): Methylation of inorganic arsenic and genetic polymorphisms in arsenic (+III oxidation state) methyltransferase in a Vietnamese population. The Third International Congress on Arsenic in the Environment, Tainan, Taiwan, May, Proceedings, 329-331.

Tanabe, S. (2010): Spatial and temporal contamination by legacy and emerging POPs in the Asia-Pacific region. 6th International Conference on Marine Pollution and Ecotoxicology, Hong Kong, China, June, Programme & Abstracts, K-10.

Asante, K. A., Agusa, T., Kubota, R., Mochizuki, H., Ramu, K., Nishida, S., Ohta, S., Yeh, H. M., Takahashi, S., Subramanian, An. and Tanabe, S. (2010): Biomagnification and

vertical distribution of trace elements in fish from the Sulu Sea and the Celebes Sea. 6th International Conference on Marine Pollution and Ecotoxicology, Hong Kong, China, June, Programme & Abstracts, O-10.

Takahashi, S., Malarvannan, G., Ikemoto, T., Isobe, T., Kunisue, T., Sudaryanto, A., Miyagi, T., Nakamura, M., Yasumura, S. and Tanabe, S. (2010): Levels and distribution of polybrominated diphenyl ethers and organochlorine compounds in sea turtles from Japan. 6th International Conference on Marine Pollution and Ecotoxicology, Hong Kong, China, June, Programme & Abstracts, O-70.

Isobe, T., Oshihoi, T., Hamada, H., Tajima, Y., Yamada, T. K. and Tanabe, S. (2010): Contamination status of POPs and BFRs in finless porpoise (*Neophocaena phocaenoides*) from Seto Inland Sea and Omura Bay, Japan. 6th International Conference on Marine Pollution and Ecotoxicology, Hong Kong, China, June, Programme & Abstracts, O-77.

Sudaryanto, A., Riyadi, A. S., Setiawan, I. E., Ilyas, M., Chang, K. H., Isobe, T., Takahashi, S. and Tanabe, S. (2010): Trophodynamics of polychlorinated biphenyls in a tropical coastal food web from Jakarta Bay, Indonesia. 6th International Conference on Marine Pollution and Ecotoxicology, Hong Kong, China, June, Programme & Abstracts, O-138.

Devanathan, G., Subramanian, An., Babu, A., Isobe, T., Takahashi, S. and Tanabe, S. (2010): Levels and spatial distribution of polychlorinated biphenyls and brominated flame retardants in fishes collected from India. 6th International Conference on Marine Pollution and Ecotoxicology, Hong Kong, China, June, Programme & Abstracts, P-9.

Chang, K. H., Amano, A., Isobe, T., Miller, T. W., Meneja, R., Siringan, F. P., Nakano, S. and Tanabe, S. (2010): Plankton community in a highly eutrophicated bay: spatial distribution of copepods and its relation with biotic and abiotic factors in Manila Bay. 6th International Conference on Marine Pollution and Ecotoxicology, Hong Kong, China, June, Programme & Abstracts, P-19.

Agusa, T., Nomura, K., Kunito, T., Anan, Y., Iwata, H. and Tanabe, S. (2010): Accumulation of trace elements in harp seals (*Phoca groenlandica*) from Pangnirtung in Baffin Island, Canada. 6th International Conference on Marine Pollution and

Ecotoxicology, Hong Kong, China, June, Programme & Abstracts, P-28.

Tu, N. P. C., Agusa, T., Ha, N. N., Tuyen, B. C., Tanabe, S. and Takeuchi, I. (2010): Assessing biomagnification of arsenic species in a tropical mangrove ecosystem using stable isotopes ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$). 6th International Conference on Marine Pollution and Ecotoxicology, Hong Kong, China, June, Programme & Abstracts, P-106.

Malarvannan, G., Takahashi, S., Ikemoto, T., Isobe, T., Kunisue, T., Sudaryanto, A., Miyagi, T., Nakamura, M., Yasumura, S. and Tanabe, S. (2010): Contamination status and spatial distribution of organochlorine compounds in fishes from Nansei Islands, Japan. 6th International Conference on Marine Pollution and Ecotoxicology, Hong Kong, China, June, Programme & Abstracts, P-133.

Takahashi, S., Ramu, K., Isobe, T., Toyoshima, S., Oshihoi, T., Chan, K. H., Ohmori, K., Kubodera, T., Nishida, S. and Tanabe, S. (2010): Distribution and bioaccumulation profiles of persistent toxic substances in deep-sea ecosystems around Japan. SETAC Asia/Pacific, Guangzhou, China, June, Program & Abstract, 60-61.

Asante, K. A., Nakahiro, K., Adu-Kumi, S., Takahashi, S., Isobe, T., Ansa-Asare, O. D., Dapaah-Siakwan, S. and Tanabe, S. (2010): Contamination status of brominated flame retardants and polychlorinated biphenyls in human breast milk and cow milk from Ghana. SETAC Asia/Pacific, Guangzhou, China, June, Program & Abstract, 163-164.

Devanathan, G., Subramanian, An., Isobe, T., Takahashi, S. and Tanabe, S. (2010): Contamination status of organohalogen compounds in human breast milk from different locations in India. SETAC Asia/Pacific, Guangzhou, China, June, Program & Abstract, 164-165.

Sudaryanto, A., Ilyas, M., Setiawan, I. E., Riyadi, A. S., Chang, K. H., Isobe, T., Takahashi, S. and Tanabe, S. (2010): Environmental contamination and human exposure to brominated flame retardants in Indonesia. SETAC Asia/Pacific, Guangzhou, China, June, Program & Abstract, 169-170.

Kannan, K. and Tanabe, S. (2010): Profiles of perfluorinated compounds in skipjack tuna from the Pacific Ocean. SETAC Asia/Pacific, Guangzhou, China, June, Program & Abstract, 179.

Malarvannan, G., Isobe, T., Sudaryanto, A., Takahashi, S., Prudente, M. and Tanabe, S. (2010): Contamination by brominated flame retardants in human breast milk in relation to levels in meat products and house dust from the Philippines. SETAC Asia/Pacific, Guangzhou, China, June, Program & Abstract, 181.

斎藤亜実・磯部友彦・松石 隆・山田 格・田島木綿子・田口実緒子・北村志乃・田辺信介 (2010) : 北海道沿岸に漂着したネズミイルカ (*Phocoena phocoena*) およびイシイルカ (*Phocoenoides dalli*) の臭素系難燃剤汚染, 日本セトロロジー研究会第 21 回 (十和田) 大会, 十和田市, 6 月, 発表要旨集, 16.

磯部友彦・忍穂井智子・田島木綿子・山田 格・天野雅男・田辺信介 (2010) : 瀬戸内海および大村湾沿岸で漂着または混獲されたスナメリ (*Neophocoena phocaenoides*) の有機ハロゲン化合物による汚染実態と影響評価, 日本セトロロジー研究会第 21 回 (十和田) 大会, 十和田市, 6 月, 発表要旨集, 17.

北村志乃・松石 隆・山田 格・石川 創・田辺信介・中川 元・阿部周一 (2010) : ツチクジラ属の遺伝的変異と分子系統, 日本セトロロジー研究会第 21 回 (十和田) 大会, 十和田市, 6 月, 発表要旨集, 21.

落合真理・野見山桂・磯部友彦・松石 隆・山田 格・田辺信介 (2010) : ネズミイルカ科の小型鯨類に残留する PCBs と水酸化代謝物 (OH-PCBs) の蓄積特性, 日本セトロロジー研究会第 21 回 (十和田) 大会, 十和田市, 6 月, 発表要旨集, 26.

塩崎 彬・山田 格・田島木綿子・染矢雅之・磯部友彦・田辺信介 (2010) : 瀬戸内海および大村湾に生息するスナメリにおけるダイオキシン類/PCBs による化学汚染, 日本セトロロジー研究会第 21 回 (十和田) 大会, 十和田市, 6 月, 発表要旨集, 29.

染矢雅之・鈴木 剛・渡部真文・高橋 真・田辺信介(2010): *In vitro* バイオアッセイ/化学分析統合手法による未同定ダイオキシン類縁化合物の検索—二枚貝を用いたアジア沿岸域の汚染モニタリング, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 44-45.

中田晴彦・篠原竜一・磯部友彦・田辺信介・渡部真文 (2010): 東京湾柱状低質における紫外線吸収剤濃度の経年変動とその発生源の推定, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 68-69.

小川翔平・磯部友彦・Karri Ramu・田辺信介 (2010): イガイを指標生物として用いたアジア沿岸域におけるハロゲン化難燃剤の汚染モニタリング, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 164-165.

濱田宏基・磯部友彦・張 光玄・柴田淳也・曾我部 篤・大森浩二・田辺信介 (2010): 臭素系難燃剤による瀬戸内海産魚介類の汚染実態と地域比較, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 170-171.

橋川亮輔・磯部友彦・林 光武・平田佐和子・野見山 桂・水川葉月・田辺信介 (2010): 猛禽類における臭素系難燃剤および PCBs の汚染実態と蓄積特性, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 172-173.

斎藤亜実・磯部友彦・松石 隆・山田 格・田島木綿子・田辺信介 (2010): 臭素系難燃剤によるネズミイルカおよびイシイルカの汚染実態と蓄積特性, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 174-175.

磯部友彦・忍穂井智子・濱田宏基・田島木綿子・山田 格・天野雅男・田辺信介 (2010): 瀬戸内海に生息するスナメリ(*Neophocaena phocaenoides*)の臭素系難燃剤蓄積特性と経年変動, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 175-176.

鈴木 剛・Tue, N. M.・Linden, S.・染矢雅之・高橋 真・Burg, B.・Lamoree, M.・Velzen, M.・磯部友彦・田島木綿子・山田 格・田辺信介 (2010): *In vitro* バイオアッセイによる野生高等動物の潜在的有害物質スクリーニング, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 184-185.

鈴木 剛・Tue, N. M.・Linden, S.・Brouwer, A.・Burg, B.・Lamoree, M.・Velzen, M.・高橋 真・染矢雅之・磯部友彦・田島木綿子・山田 格・田辺信介 (2010): *In vitro* バイオアッセイ/化学分析統合手法による野生高等動物に蓄積する抗アンドロゲン作用物質の毒性同定評価, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 186-187.

平田佐和子・浦上 真・安田悠佑・磯部友彦・山田 格・田島木綿子・天野雅男・宮崎信之・高橋 真・田辺信介 (2010): カズハゴンドウ(*Peponocephala electra*)の微量元素蓄積特性と経年変動解析, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 228-229.

早瀬大祐・平田佐和子・板井啓明・田辺信介 (2010): 琵琶湖の固有魚種イサザにおける微量元素暴露と地球温暖化の関連性, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集,

232-233.

阿草哲郎・岩田久人・藤原純子・國頭 恭・Minh, T. B.・Trang, P. T. K.・Viet, P. H.・竹下治男・田辺信介 (2010): ベトナム人のヒ素代謝プロファイルと GST 遺伝子多型の関係: ヒ素暴露レベルの影響, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 236-237.

野口貴子・板井啓明・平田佐和子・Tue, N. M.・Trang, P. T. K.・Viet, P. H.・高橋 真・田辺信介 (2010): ベトナム鉛バッテリー処理施設におけるヒトへの微量元素暴露の実態, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 238-239.

江口哲史・野見山 桂・Subramanian, An.・Bulbule, K. A.・Parthasaraty, P.・高橋 真・田辺信介 (2010): インドの電気電子機器廃棄物(E-waste)解体工場における作業労働者血清から検出された PCBs, PBDEs および代謝物の残留特性, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 242-243.

落合真理・野見山 桂・水川葉月・江口哲史・高橋 真・松石 隆・山田 格・田辺信介 (2010): ネズミイルカ科の小型鯨類から検出された有機ハロゲン代謝物の蓄積特性, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 244-245.

水川葉月・野見山 桂・国末達也・中津 賞・林 光武・磯部友彦・高橋 真・田辺信介 (2010): 陸棲哺乳類の血中 PCBs および水酸化代謝物の蓄積特性, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 246-247.

野見山 桂・落合真理・江口哲史・水川葉月・村田仁子・山田 格・高橋 真・田辺信介 (2010): 日本沿岸に座礁したハクジラ類およびヒゲクジラ類から検出された血中水酸化 PBDEs (OH-PBDEs)の蓄積特性, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 248-249.

清水潤子・高橋 真・山尾 理・田中周平・藤井滋穂・クナチワ チナガン・田辺信介・内田圭祐 (2010): 東シナ海における POPs 汚染の現状—2009 年調査結果, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 258-259.

板井啓明・高橋嘉夫・石橋拓也・田辺信介 (2010): ベンガル平野の地下水ヒ素汚染機構の新しい解析法—帯水層中のヒ素は除去できるか?—, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 316-317.

中廣賢太・染矢雅之・鈴木 剛・磯部友彦・Sudaryanto, A.・高橋 真・田辺信介 (2010):

ダイオキシン類によるインドネシア住民の母乳汚染, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 362-363.

鈴木 剛・染矢雅之・高橋 真・滝上英孝・酒井伸一・田辺信介 (2010): In vitro バイオアッセイ/化学分析統合手法による室内ダスト中ダイオキシン類縁化合物の毒性同定評価, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 364-365.

小松幸恵・磯部友彦・張 光玄・平田佐和子・早瀬大祐・大森浩二・Miller, T. W.・高橋 真・田辺信介 (2010): 臭素系難燃剤による高知県沿岸および沖合の魚介類汚染, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 398-399.

武藤 衛・磯部友彦・Ramu, K.・Tue, N. M.・Viet, P. H.・高橋 真・田辺信介 (2010): 臭素系難燃剤(BFRs)によるベトナム人の汚染一毛髪を用いたモニタリング, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 400-401.

上野大介・太田裕介・磯部友彦・田辺信介・Kannan, K.・井上興一・染谷 孝・中田晴彦 (2010): イガイを用いた米国太平洋岸および日本沿岸の POPs 汚染モニタリング, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 460-461.

神原千佳・野見山 桂・水川葉月・山田 格・高橋 真・田辺信介 (2010): 日本近海の鱈脚類に残留する水酸化 PCBs の蓄積特性, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 464-465.

金 俊佑・磯部友彦・張 光玄・田辺信介 (2010): LC-MS/MS による水試料及び野生生物の紫外線吸収剤及び有機リン系難燃剤の多成分一斉分析法—河川水、下水処理放流水および野生生物試料について—, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 538-539.

中田晴彦・篠原竜一・中澤優介・渡部真文・磯部友彦・田辺信介 (2010): イガイを用いた環太平洋域の PPCPs 汚染モニタリング, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 562-563.

阿草哲郎・中村幹雄・藤原純子・竹下治男・田辺信介 (2010): 微量元素によるヤマトシジミ(*Corbicula japonica*)の産地判別, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 818-819.

安田悠佑・平田佐和子・磯部友彦・板井啓明・山本貴士・田島木綿子・山田 格・天野雅

男・宮崎信之・高橋 真・田辺信介 (2010): スジイルカ(*Stenella coeruleoalba*)における微量元素の蓄積特性と経年変動, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 820-821.

野口貴子・板井啓明・川口将史・村上安則・高橋 真・田辺信介 (2010): 微量元素暴露指標としてのヒト毛髪の有効性と限界に関する評価, 第 19 回環境化学討論会, 春日井市, 6 月, 講演要旨集, 822-823.

阿草哲郎・岩田久人・藤原純子・國頭 恭・竹下治男・Minh, T. B.・Trang, P. T. K.・Viet, P. H.・田辺信介 (2010): ベトナムのヒ素汚染地域住民におけるヒ素代謝に関する要因, 第 21 回日本微量元素学会, 京都, 7 月, プログラム・抄録集, 137.

板井啓明, 早瀬大輔, 平田佐和子, 兵部唯香, 熊谷道夫, 田辺信介 (2010): 琵琶湖北湖底泥のマンガン濃集層の経時変化, 2010 年度日本地球化学会年会, 熊谷市, 9 月. 講演要旨集, 12-06.

Tanabe, S. (2010): Monitoring chemical contamination of finless porpoise stranded in Japanese coasts. National Museum of Nature and Science International Symposium 2010 on Diversity of Marine Mammals – Along the Asian Coasts, Tokyo, Japan, August, Abstracts, 26-27.

水川葉月・野見山 桂・中津 賞・林 光武・谷地森秀二・田辺信介 (2010) : 陸棲哺乳類の血中 PCBs および水酸化代謝物の蓄積特性, 第 16 回日本野生動物医学会大会, 福岡市, 9 月, 講演要旨集, 111.

江口哲史・野見山 桂・Subramanian, An.・高橋 真・田辺信介・Parthasarathy, P.・Bulbule, K. A. (2010) : インド沿岸域住民から検出された血清中水酸化ハロゲン類縁化合物の蓄積特性, 第 16 回バイオアッセイ研究会・日本環境毒性学会, つくば市, 9 月, 講演要旨集, 15-16.

染矢雅之・鈴木 剛・渡部真文・Subramanian, An.・高橋 真・田辺信介 (2010) : In vitro バイオアッセイ/化学分析統合手法を用いたアジア沿岸域イガいのダイオキシン類縁化合物毒性評価—ダイオキシン活性に寄与する未同定化合物の検索, 第 16 回バイオアッセイ研究会・日本環境毒性学会, つくば市, 9 月, 講演要旨集, P-18.

鈴木 剛・Tue, N. M.・van der Linden, S.・Brouwer, A.・van der Burg, B.・Lamoree, M.・van Velzen, M.・高橋 真・染矢雅之・磯部友彦・田嶋木綿子・山田 格・田辺信介 (2010) :

In vitro バイオアッセイによる野生高等生物の内分泌かく乱物質スクリーニング, 第 16 回 バイオアッセイ研究会・日本環境毒性学会, つくば市, 9 月, 講演要旨集, P-9.

Ilyas, M., Sudaryanto, A., Setiawan, I., Riyadi, A., Isobe, T., Takahashi, S. and Tanabe, S. (2010): Contamination status of polychlorinated biphenyls and polybrominated diphenyl ethers in fish and shellfish collected from coastal waters of Surabaya City, Indonesia. 30th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2010), San Antonio, Texas, USA, September, Abstract Book, ID 1067.

Mizukawa, H., Nomiya, K., Nakatsu, S. and Hayashi, T. and Tanabe, S. (2010): Accumulation features of PCBs and hydroxylated metabolites in the blood of terrestrial mammals. 30th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2010), San Antonio, Texas, USA, September, Abstract Book, ID 1360.

Devanathan, G., Babu, R., Sudaryanto, A., Isobe, T., Asante, K., Subramanian, An., Takahashi, S. and Tanabe, S. (2010): Assessment of human exposure to polychlorinated biphenyls and brominated flame retardants in India. 30th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2010), San Antonio, Texas, USA, September, Abstract Book, ID 1066.

Ochiai, M., Nomiya, K., Isobe, T., Matsuishi, T., Yamada, T. and Tanabe, S. (2010): Polychlorinated biphenyls (PCBs) and hydroxylated PCBs (OH-PCBs) in three porpoise species: accumulation features and metabolic capacity. 30th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2010), San Antonio, Texas, USA, September, Abstract Book, ID 1388.

Someya, M., Suzuki, G., Watanabe, M., Subramanian, An., Zheng G., Lam, P., Prudente, M., Zakaria, M., Viet, P., Takahashi, S. and Tanabe, S. (2010): Identification of dioxin related compounds by combined in vitro bioassay/chemical analysis monitoring study for Asian coastal waters using bivalves as bioindicators. 30th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2010), San Antonio, Texas, USA, September, Abstract Book, ID 1335.

Isobe, T., Oshihoi, T., Hamada, H., Yamada, T., Tajima, Y., Nakayama, K. and Tanabe, S.

(2010): Levels and organohalogen contaminants and parasitic infection in finless porpoises from Japan. 30th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2010), San Antonio, Texas, USA, September, Abstract Book, ID, 1512.

Nomiyama, K., Eguchi, A., Ochiai, M., Mizukawa, H., Murata, S., Isobe, T., Yamada, T., Takahashi, S. and Tanabe, S. (2010): Accumulation features of hydroxylated polybrominated diphenyl ethers (OH-PCBs) in the blood of toothed and baleen whales stranded at Japanese coastal waters. 30th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2010), San Antonio, Texas, USA, September, Abstract Book, ID 1333.

Malarvannan, G., Isobe, T., Sudaryanto, A., Takahashi, S., Prudente, M. and Tanabe, S. (2010): Brominated flame retardants in human breast milk and house dust from the Philippines: implications for human exposure. 30th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2010), San Antonio, Texas, USA, September, Abstract Book, ID1676.

Eguchi, A., Nomiyama, K., Subramanian, An., Parthasarathy, P., Blubule, K., Takahashi, S. and Tanabe, S. (2010): Accumulation features of anthropogenic and naturally produced organohalogen compounds in human serum from Indian e-waste recycling workers and residents near coastal areas. 30th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2010), San Antonio, Texas, USA, September, Abstract Book, ID 1334.

Tue, N. M., Suzuki, G., Takahashi, S., Isobe, T., Trang, P., Viet, P. and Tanabe, S. (2010): Dioxin-related compounds in house dust from Vietnamese e-waste recycling sites: comparison of in vitro bioassay- and chemical analysis-derived toxic equivalents. 30th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2010), San Antonio, Texas, USA, September, Abstract Book, ID 1348.

Asante, K. A., Adu-Kumi, S., Nakahiro, K., Takahashi, S., Isobe, T., Sudaryanto, A., Clark, E., Ansa-Asare, O., Dapaah-Siakwan, S. and Tanabe, S. (2010): Geographical distribution and temporal variation of PCBs, PBDEs and HBCDs in human breast milk from Ghana. 30th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2010), San Antonio, Texas, USA, September, Abstract Book, ID

1069.

Nguyen, A. T., Minh, T., Hoai, P., Viet, P., Tuyen, B., Son, L., Takahashi, S. and Tanabe, S. (2010): Brominated flame retardants in Vietnam: a concise review of recent contamination. 30th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2010), San Antonio, Texas, USA, September, Abstract Book, ID 1346.

Sudaryanto, A., Riyadi, A., Setiawan, I., Ilyas, M., Isobe, T., Takahashi, S., and Tanabe, S. (2010): Concentrations of PBDEs, HBCDs and two novel BFRs in atmosphere derived by passive air sampler from various locations in and around Jakarta. 30th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2010), San Antonio, Texas, USA, September, Abstract Book, ID 1231.

Suzuki, G., Tue, N., van der Lindon, S., Someya, M., Takahashi, S., Brouwer, A., van den Burg, B., Lamoree, M., van Velzen, M., Isobe, T. and Tanabe, S (2010): Evaluation of potential bioaccumulative compounds exerting endocrine-disrupting activities in wild animals using in vitro bioassays and chemical fractionation. 30th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2010), San Antonio, Texas, USA, September, Abstract Book, ID 1309.

Adu-Kumi, S., Malisch, R., Alexander, K., Kypke, K., Asante, K. A., Takahashi, S., Tanabe, S., Takasuga, T., Clarke, E. and Weber, R. (2010): Levels of persistent organic pollutants (POPs) in human breast milk samples from Ghana. 30th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2010), San Antonio, Texas, USA, September, Abstract Book, ID 1398.

Ono, J., Takahashi, D., Guo, X., Takahashi, S., and Takeoka, H. (2010): Process study on the dynamics of persistent organic pollutants in the East China Sea. The 5th Global COE International Symposium on Modeling Analysis of Marine Environmental Problems (MAMEP 2010), Matsuyama, Japan, September, Program and Abstracts, 35.

Sudaryanto, A., Riyadi, A. S., Setiawan, I. E., Ilyas, M., Chang, K. H., Isobe, T., Takahashi, S. and Tanabe, S. (2010): Comparative study on the trophodynamics of polychlorinated biphenyls and brominated flame retardants in biota from Jakarta Bay, Indonesia. The 5th Global COE International Symposium on Modeling Analysis of

Marine Environmental Problems (MAMEP 2010), Matsuyama, Japan, September, Program and Abstracts, 47.

Saito, A., Isobe, T., Matsuishi, T., Yamada, T. K., Tajima, Y. and Tanabe, S. (2010): Accumulation of brominated flame retardants in harbour and Dall's porpoises from Hokkaido. The 5th Global COE International Symposium on Modeling Analysis of Marine Environmental Problems (MAMEP 2010), Matsuyama, Japan, September, Program and Abstracts, 48.

Ramaswamy, B. R., Kim, J. W., Isobe, T., Chang, K. H., Amano, A., Miller, T. W., Subramanian, An., Maneja, R., Siringan, F. P. and Tanabe, S. (2010): Determination of antimicrobial and preservative compounds in fish from Manila Bay, the Philippines by UFLC-MS-MS. The 5th Global COE International Symposium on Modeling Analysis of Marine Environmental Problems (MAMEP 2010), Matsuyama, Japan, September, Program and Abstracts, 50.

Kim, J. W., Isobe, T., Ramaswamy, B G., Chang, K. H., Amano, A., Miller, T. W., Maneja, R., Siringan, F. P. and Tanabe, S. (2010): Contamination by organophosphorus flame retardants in fishes from Manila Bay, the Philippines. The 5th Global COE International Symposium on Modeling Analysis of Marine Environmental Problems (MAMEP 2010), Matsuyama, Japan, September, Program and Abstracts, 57.

Ochiai, M., Nomiya, K., Isobe, T., Matsuishi, T., Yamada, T. K. and Tanabe, S. (2010): Inter-species differences of hydroxylated polychlorinated biphenyls (OH-PCBs) in the blood of small cetaceans. The 5th Global COE International Symposium on Modeling Analysis of Marine Environmental Problems (MAMEP 2010), Matsuyama, Japan, September, Program and Abstracts, 64.

Ogawa, S. P., Isobe, T., Ramu, K., Subramanian, An. and Tanabe, S. (2010): Monitoring of contamination of non-PBDE brominated flame retardants in Asian coastal waters using mussels as a bioindicator. The 5th Global COE International Symposium on Modeling Analysis of Marine Environmental Problems (MAMEP 2010), Matsuyama, Japan, September, Program and Abstracts, 70.

Hashikawa, R., Isobe, T., Yano, S., Kunisue, T., Nomiya, K., Sudo, A., Takahashi, S. and Tanabe, S. (2010): Contamination by brominated flame retardants (BFRs) in

common cormorants from Lake Biwa. The 5th Global COE International Symposium on Modeling Analysis of Marine Environmental Problems (MAMEP 2010), Matsuyama, Japan, September, Program and Abstracts, 80.

Yasuda, Y., Hirata, S., Isobe, T., Itai, T., Yamamoto, T., Tajima, Y., Yamada, T. K., Amano, M., Miyazaki, N., Takahashi, S. and Tanabe, S. (2010): Accumulation features and temporal trends of trace elements in striped dolphins (*Stenella coeruleoalba*). The 5th Global COE International Symposium on Modeling Analysis of Marine Environmental Problems (MAMEP 2010), Matsuyama, Japan, September, Program and Abstracts, 81.

磯部友彦・杉本里菜・小川翔平・Rajendran, R. B.・Subramanian, An.・田辺信介 (2010) : 環境水中の過塩素酸の高感度分析, 第 13 回日本水環境学会シンポジウム, 京都市, 9 月, 講演要旨集, 235.

野見山 桂・江口哲史・水川葉月・磯部友彦・山田 格・田辺信介 (2010) : 鯨類の血中に残留するブロモフェノール類の蓄積特性とその起源, 第 13 回日本水環境学会シンポジウム, 京都市, 9 月, 講演要旨集, 240.

金 俊佑・磯部友彦・Rajendran, R. B.・張 光玟・田辺信介 (2010) : フィリピンのマニラ湾の魚類におけるベンゾトリアゾール系紫外線吸収剤汚染, 第 13 回日本水環境学会シンポジウム, 京都市, 9 月, 講演要旨集, 241.

Tanabe, S. (2010): Contamination by legacy and emerging POPs in the Asia-Pacific region. 2010 Forum on Fishery Science and Technology, Wuxi, China, October, Abstracts, 3.

高橋 真・田辺信介 (2010) : PCBs およびその他 POPs による地球汚染の実態と野生動物への影響, 第 52 回日本環境化学会講演会「絶縁油に含まれる微量 PCB の簡易測定法と微量 PCB 汚染廃電気機器等の無害化処理」, 東京, 10 月, 第 52 回日本環境化学会講演会予稿集, 69-82.

高橋 真・田辺信介 (2010) : PCBs およびその他 POPs による地球汚染の実態と野生動物への影響, 第 53 回日本環境化学会講演会「絶縁油に含まれる微量 PCB の簡易測定法と微量 PCB 汚染廃電気機器等の無害化処理」, 大阪, 10 月, 第 53 回日本環境化学会講演会予稿集, 69-82.

Subramanian, An. and Tanabe, S. (2010): Monitoring organohalogen compounds in human milk from developing countries using the samples archived in the environmental specimen bank (es-BANK) of Ehime University, Japan. International Conference for Environmental Specimen Bank, Berlin, Germany, November, Abstracts, 8.

Tanabe, S. (2010): Monitoring studies on the contamination of brominated flame retardants in eastern Asian waters using archived samples from es-BANK, Ehime University, Japan. International Conference for Environmental Specimen Bank, Berlin, Germany, November, Abstracts, 14.

Kim, J. W., Isobe, T., Rajendran, R. B., Chang, K. H., Amano, A. and Tanabe, S. (2010): Analysis of benzotriazole ultraviolet stabilizers in fishes from the Philippines using an UFLC-MS/MS: The 2nd Korea-Japan Symposium on Environmental Chemistry, Seoul, Korea, November, Abstract Book, 147.

Kim, J. W., Isobe, T., Rajendran, R. B., Chang, K. H., Amano, A. and Tanabe, S. (2010): Contamination and bioaccumulation of organophosphorus flame retardants and plasticizers in marine fishes from the Philippines: The 2nd Korea-Japan Symposium on Environmental Chemistry, Seoul, Korea, November, Abstract Book, 242.

Isobe, T., Ogawa, S. P., Ramu, K., Takahashi, S., Subramanian, A. and Tanabe, S. (2010): Monitoring of contamination by non-PBDE brominated flame retardants in Asian coastal waters using mussels as bioindicators: The 2nd Korea-Japan Symposium on Environmental Chemistry, Seoul, Korea, November, Abstract Book, 248.

Hayase, D., Itai, T., Hirata, S., Ishikawa, T., Kumagai, M., Tanabe, S. (2010): Manganese and arsenic exposures for *Isaza* (*Gymnogobius isaza*) induced by lake hypoxia in lake Biwa, Japan. SETAC (Society of Environmental Toxicology and Chemistry) 31st Annual Meeting in North America, Portland, Oregon, USA., November, Abstracts, 142.

Ochiai, M., Nomiya, K., Isobe, T., Matsuishi, M., Yamada, T. K., Tanabe, S. (2010): Accumulation features of PBDEs, OH-PBDEs and MeOPBDEs in three porpoise species. SETAC (Society of Environmental Toxicology and Chemistry) 31st Annual Meeting in North America, Portland, Oregon, USA., November, Abstracts, 222.

Muto, M., Isobe, T., Ramu, K., Tue, N. M., Viet, P. H., Takahashi, S. and Tanabe, S. (2010): Contamination of brominated flame retardants (BFRs) in human hair from Vietnam. SETAC (Society of Environmental Toxicology and Chemistry) 31st Annual Meeting in North America, Portland, Oregon, USA., November, Abstracts, 255.

Kunisue, T., Kannan, K. and Tanabe, S. (2010): Phytoestrogens in human urine from several Asian countries. SETAC (Society of Environmental Toxicology and Chemistry) 31st Annual Meeting in North America, Portland, Oregon, USA., November, Abstracts, 259.

Isobe, T., Hashikawa, R., Yano, S., Kunisue, T., Nakayama, K., Sudo, A., Takahashi, S. and Tanabe, S. (2010): Contamination status, maternal transfer and temporal trends of brominated flame retardants (BFRs) in common cormorants from Lake Biwa. SETAC (Society of Environmental Toxicology and Chemistry) 31st Annual Meeting in North America, Portland, Oregon, USA., November, Abstracts, 277.

Eguchi, A., Nomiya, K., Subramanian, A., Parthasarathy, P., Bulbule, K. A., Takahashi, S. and Tanabe, S. (2010): Serum concentrations of brominated phenolic compounds from Indian e-waste recycling workers and population near coastal area. SETAC (Society of Environmental Toxicology and Chemistry) 31st Annual Meeting in North America, Portland, Oregon, USA., November, Abstracts, 278.

Ha, N. N., Agusa, T., Horai, S. H., Itai, T., Takahashi, S. and Tanabe, S. (2010): Soil and air particle contamination by trace elements at e-waste recycling sites in North Vietnam: Implying human health risk. SETAC (Society of Environmental Toxicology and Chemistry) 31st Annual Meeting in North America, Portland, Oregon, USA., November, Abstracts, 294.

Itai, T., Noguchi, T., Kawaguchi, M., Murakami, Y., Takahashi, S. and Tanabe, S. (2010): A micro SXRF study for applicability of human hair as a bio-indicator of trace elements exposure. SETAC (Society of Environmental Toxicology and Chemistry) 31st Annual Meeting in North America, Portland, Oregon, USA., November, Abstracts, 302-303.

Horai, S. H., Yasuda, Y., Urakami, S., Isobe, T., Yamada, T. K., Tajima, Y., Amano, M., Miyazaki, N. and Tanabe, S. (2010): Contamination status and temporal trends of Hg

and other trace elements in melon-headed whale and striped dolphin. SETAC (Society of Environmental Toxicology and Chemistry) 31st Annual Meeting in North America, Portland, Oregon, USA., November, Abstracts, 303.

Noguchi, T., Itai, T., Hirata, S., Agusa, T., Nguyen, T. M., Pham, T. K., Pham, V. H., Takahashi, S. and Tanabe, S. (2010): Human exposure to toxic metals in Pb acid battery recycling site in Dong Mai, North Vietnam. SETAC (Society of Environmental Toxicology and Chemistry) 31st Annual Meeting in North America, Portland, Oregon, USA., November, Abstracts, 303.

Kim, J. W., Isobe, T., Ramaswamy ,B., Kwang-Hyeon, C., Miller, T. W., Atsuko, A., Rommel, M., Fernando, S. and Tanabe, S. (2010): Occurrence of benzotriazole-based UV stabilizers in fishes from Manila Bay, the Philippines. SETAC (Society of Environmental Toxicology and Chemistry) 31st Annual Meeting in North America, Portland, Oregon, USA., November, Abstracts, 306.

Ramaswamy ,B., Isobe, T., Joon-Woo, K., Kwang-Hyeon, C., Miller, T. W., Rommel, M., Fernando, S., and Tanabe, S. (2010): Occurrence of triclosan, Triclocarban and parabens in fish from Manila Bay, the Philippines. SETAC (Society of Environmental Toxicology and Chemistry) 31st Annual Meeting in North America, Portland, Oregon, USA., November, Abstracts, 306-307.

Takahashi, S., Tue, N. M. and Tanabe, S. (2010): Present status of contamination by emerging POPs and dioxin related compounds in Asia-Pacific region. 4th Workshop on Reduction of Unintentional POPs in East Asian Countries, Tokyo, Japan, December, Abstracts, Session II-7.

[一般向講演]

田辺信介 (2010): 環境ホルモンについて, 愛媛県立松山南高等学校スーパーサイエンスハイスクール高大連携授業, 松山市, 1月.

田辺信介 (2010): 化学物質と環境, 平成 21 年度愛媛大学附属高等学校における高大連携授業「環境教育学」, 松山市, 1月.

田辺信介 (2010): 環境汚染と子どもの健康, 日本しろあり対策協会四国支部通常総会, 松山市, 1月.

田辺信介 (2010): 環境化学について～有害物質の地球汚染を考える～, 東レ株式会社社員研修講演会, 松山市, 2月.

田辺信介 (2010): 愛媛大学の挑戦～地域から世界へ発信する環境化学の先端研究～, 中堅・中小企業オーナー懇談会, 大阪市, 3月.

田辺信介 (2010): 有害物質によるアジアの汚染実態と動向, 第19回環境化学討論会特別企画市民学生向け講座「未来に向けた環境化学研究と化学物質対策」, 春日井市, 6月.